

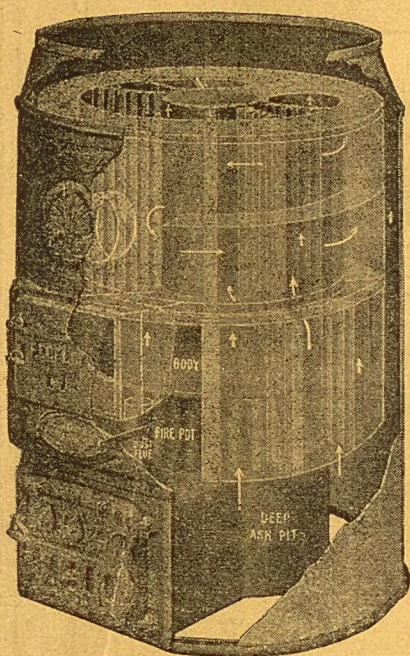
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 1  
January 1, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

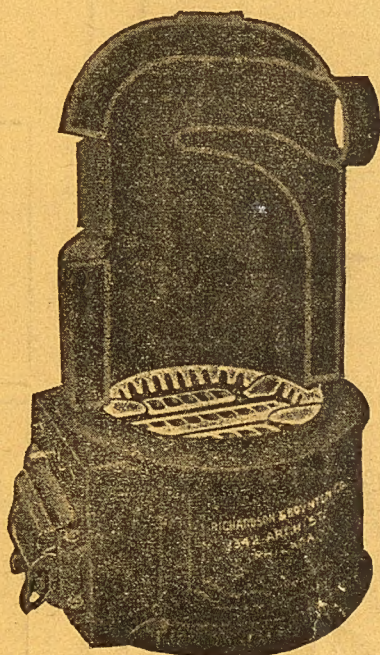
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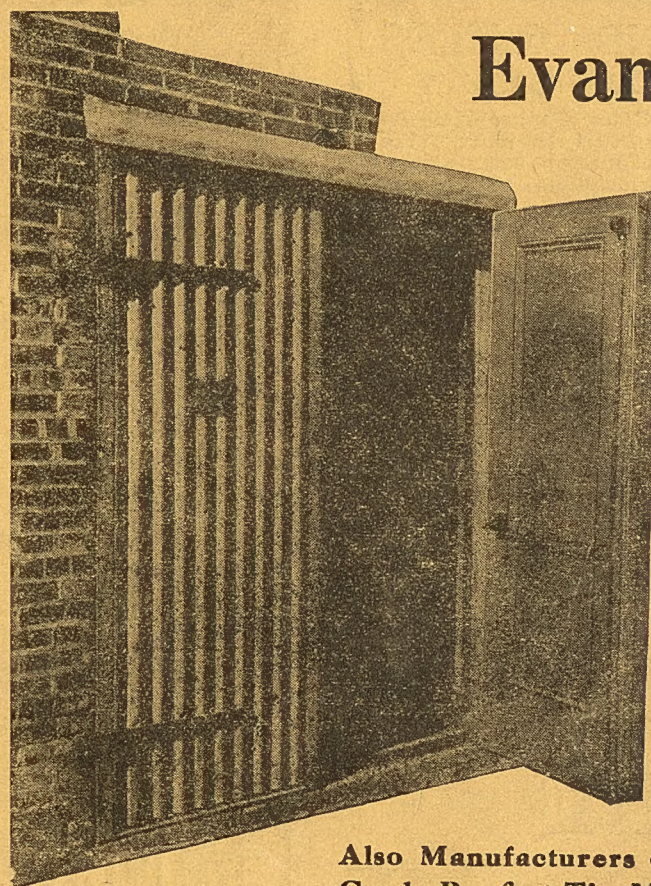
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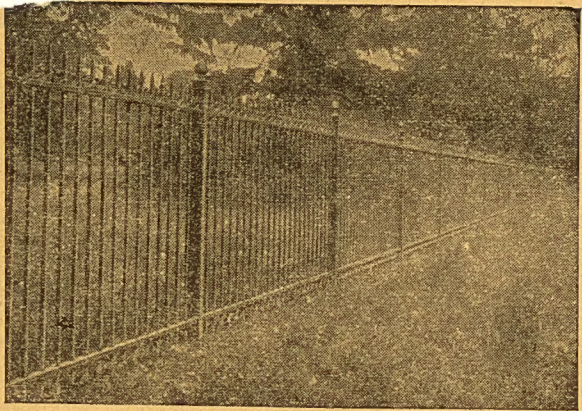
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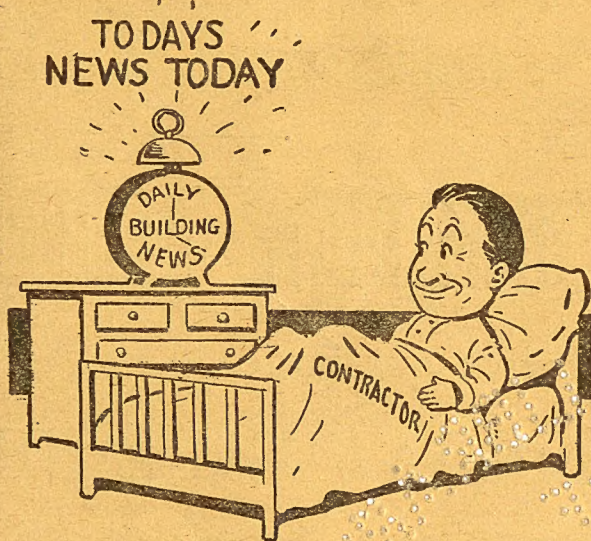
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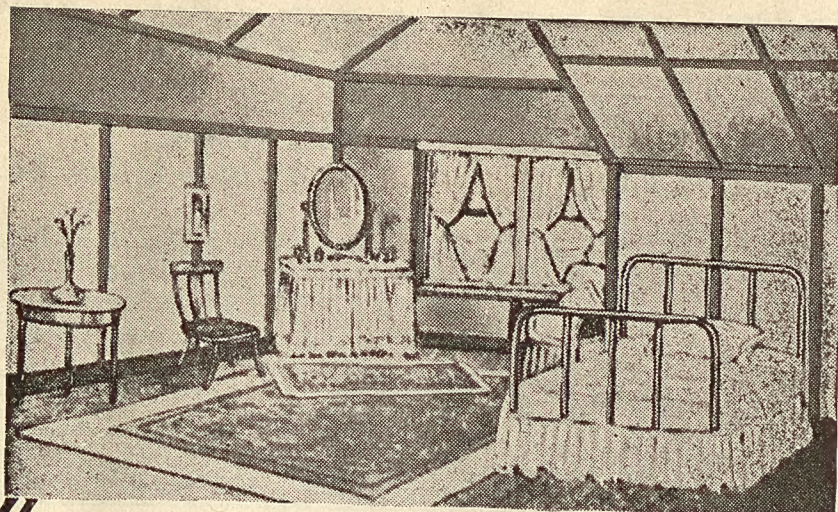


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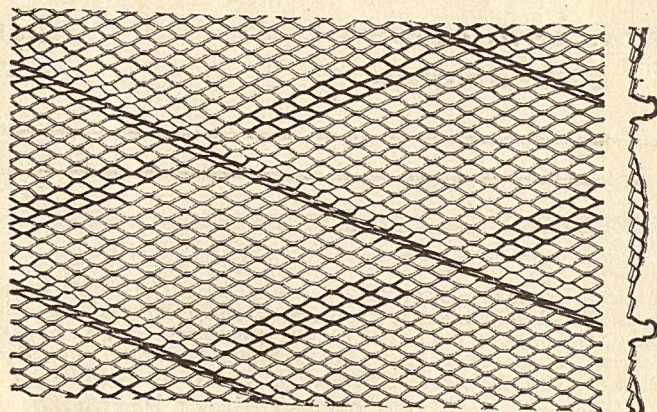
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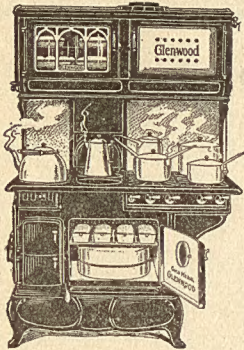
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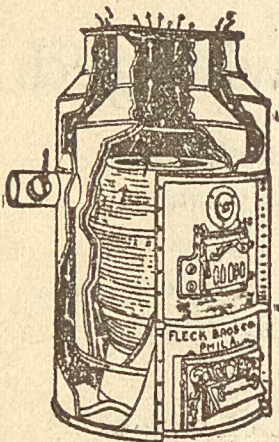
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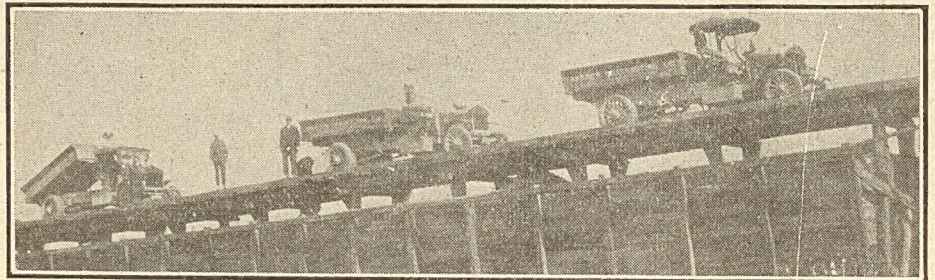
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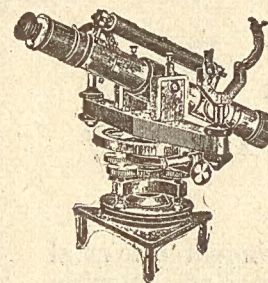
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural Engineering and the Building Trades

PHILADELPHIA  
January 1, 1919

## BUILDERS' GUIDE

OFFICES, PERRY BUILDING (Suite 324-325-326)  
Sixteenth and Chestnut Sts., Philadelphia, Pa.

PUBLISHED WEEKLY  
BY

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## As The Editor Sees It



**H**APPY NEW YEAR! Indeed, there are so many things to be happy about, so many causes for gratitude, that we scarcely know where to begin, and once begun there seems to be no ending. This is the first New Year's Day in four years that has seen the world free of the horrors of war, and this is, of course, our greatest reason for rejoicing.

The great burden of the war did not fall upon us in America, however, until the past year, and, we, of the building trades, have had many trying and anxious moments during this period, when all personal considerations had to be put aside for the accomplishment of one end—Victory.

Victory and Peace are ours at last, and the New Year is bringing with it a new era of prosperity in which the building trades are to be rewarded for their patience and loyalty during the prosecution of the war.

Furthermore, Philadelphia is a city eminently able to transpose the war time rush of business into permanent prosperity. Bankers and business men generally are most optimistic in their views on this subject, and with very good reason, we believe.

The municipality itself is prepared to execute an immense amount of work, as soon as the necessary labor is released from war industries.

About \$90,000,000 is still unexpended of money arranged for to carry on pub-

lic work which was interrupted by the war. More than \$50,000,000 is for elevated and subway construction, which practically has been at a standstill for eighteen months and which will give employment to a small army as quickly as it can be resumed.

There is \$2,500,000 available for a new public library and a like amount for an art gallery. More than \$3,000,000 is available for port improvements, with a plan approved calling for a total of \$24,000,000, while more than \$30,000,000 has been approved for work upon streets, sewers, bridges and grade crossings.

Besides these public improvements we are all only too well aware of the dearth of houses in and around Philadelphia.

It is conservatively estimated that 25,000 new houses must be erected in the Philadelphia district as quickly as possible and many manufacturers are anxious to start work upon extensions to their plants as soon as necessary material can be secured.

William R. Nicholson, president of the Land Title and Trust Company, in speaking of the building outlook, said:

"Our company, of course, is vitally interested in building operations and we try to keep in as close touch as possible with conditions. I should say there is every indication of a most prosperous era in the building trades beginning shortly.

"The embargo by the Government upon building materials has resulted in an almost complete stoppage of operations

here excepting for Government work. These embargoes now are being lifted and as soon as materials are available I look for a most active period of building.

"Our company arranged for the construction of 1,600 houses for workers at Hog Island and we are going ahead with the construction of 400 more. In Hog Island and the other shipyards here is a great foundation for permanent prosperity. Work is going to continue at these yards without regard to the war's end. There will be a let down in overtime work, but these tremendous industries will hold their thousands of men."

\* \* \*

**I**N connection with the "Own Your Home" idea which is gaining such favor throughout the country, there will be held in Philadelphia, on January tenth, a great mass meeting. To this meeting will be invited, says William H. Wilson, publicity manager of the campaign, "Mayor Smith, all of the Councilmen of this city, the six Philadelphia Congressmen, Senator Penrose, the business and trade organizations, and heads of all the great industries of the district, the labor organizations, the editors of the daily and trade papers and pastors of Philadelphia churches and other church officials, principals of Philadelphia schools and a host of others who are interested in the welfare of the people of the city. The place of this meeting has not yet been decided upon, as

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negotiations are in progress for the engagement of a suitable auditorium. We intend to have as speakers the most prominent men in various lines of endeavor in Philadelphia.

"At this meeting it will be pointed out that the campaign intends to reach every man and woman in Philadelphia who does not now own his or her home. The inestimable benefits which come from home ownership are unknown to scores of thousands of families of Philadelphia. This, no doubt, is due to ignorance of how easy it is for any man or woman of character to own his or her home. We expect one of the most beneficial meetings which ever has been held in Philadelphia for the promotion of a great civic movement, and we also expect it to be one of the largest ever held here for a similar purpose."

\* \* \*

**D**ESPITE the unusual and varied factors affecting construction work at this time, indications point to the greatest building revival during 1919 which this country has ever experienced, writes Noble Foster Hoggson, President, Hoggson Brothers, Builders, New York. This is true largely because certain classes of structures must be erected almost at once to provide for actual demand.

First of all, in the larger cities, apartment houses and dwellings will lead the way, but closely following will be office buildings, lofts and industrial structures. Then there will be a tremendous amount of bank building. All over the country our financial institutions have been carrying on their work in their old homes, in crowded, inadequate quarters, waiting for a favorable time to erect new buildings or modernize their quarters by remodeling. Banks have never been more prosperous, and the bankers seem to feel that not only will they be meeting an economic need by building now, but what their action in this regard will set a precedent in their communities and encourage other owners to build. It is the specified wish of the Government that, in order to provide employment, construction work be put under way at the earliest possible moment.

In the industrial as well as in the domestic and commercial fields, building should see a large and healthy increase in volume. New factories must be built; plant extensions are an economic necessity; war plants, instead of being scrapped or abandoned, will in many instances be altered for peace work.

Housing for employees, which received such an impetus during the past two years, will be carried out on a vaster scale than we had ever thought possible. Employers have recognized the actual money-value return of providing good

housing accommodations for their employees. It is fatuous to believe that the employers have not profited by the lessons of the war. They have learned that contented workmen are the best possible asset, that high labor turnover is wrong and expensive, and that proper housing is one of the greatest, if not the greatest, factor in reducing labor turnover and keeping employees happy on the job.

The immense amount of reconstruction work to be done in France and Belgium is going to affect building conditions in this country more than is generally realized. This is true particularly in regard to prices for materials. The excessive demand for certain materials for use abroad, is most likely to keep prices in this country up to the present high level. Steel, so far, has been the only material which has shown any tendency to decline in price, but, with the great number and kinds of buildings needed, the matter of cost will probably not enter into calculations as much as under ordinary conditions. It should be remembered that since 1914 this country, except for a short period in 1916, has been underbuilt.

Building must cease being a gambling proposition, the owner taking a long chance on getting his structure erected for a sum of money which he sets aside in the beginning. In the future there must be a closer and fairer relationship between the owner and the builder. The builder must gain the confidence of the owner, and, in turn, the owner owes certain duties to the builder. Under the usual building procedure the builder is a gambler, too; taking a job on a low competitive bid, and hoping by some hook or crook to make money on it. The formation of the Associated General Contractors of America, recently worked a great step forward in raising the building industry to a higher level, and it is through movements of this kind that the investor will feel free to put his money into building operations,

\* \* \*

**T**HERE is a host of good suggestions presented by C. Stanley Taylor in "Prepare Now to Build Homes in the Spring of 1919" in the December issue of *Realty*. Mr. Taylor's article is so full of good things that we deem it very helpful to the architectural and building trades. Mr. Taylor writes:

"With the signing of the armistice which marks the closing period of the world war, national interest in the subject of homebuilding passes from generality into a constructive stage which will result in the building of great numbers of American homes within the next two years. This interest is not limited to prospective home-owners alone, but is shared by speculative and investment

builders, loaning interests and realty operators and brokers.

During the period of war, with the exception of the construction of homes for war workers, America has necessarily paused in its homebuilding—with the result that the country is underbuilt in this field and the demand for dwellings has become acute. Perhaps it has been fortunate that time for reflection has been given before a fresh start might be taken. Certainly the art of economical homebuilding has taken great strides during this period, and in this country we shall probably never go back to the old, careless method of housing which has marred our cities with slums and cheap speculative buildings.

The first great interest of the prospective builder of homes is to know when building materials and labor will be released for this purpose. Significant, as an answer to this question, is the recent decision of the War Industries Board in its first release of restrictions on the building industry. An analysis of this action, as made by experts, is of immediate and direct interest to the homebuilding fraternity.

In studying conditions in the construction field we find the following interesting facts:

Already more than \$20,000,000 worth of construction work has officially been released by D. R. McLennan, chief of the Non-war Construction Section of the War Industries Board. Stock taking in most industries will be handled where possible in December instead of January.

Estimates of the quantity of work ready to go ahead vary. During September \$2,500,000,000 worth of construction work was active with a plant capacity sufficient to take care of only \$2,100,000,000 worth of work. The highest the country has ever reached in building material production has been equivalent to about \$1,700,000,000 in actual building requirement.

After the signing of the armistice a reaction occurred within a single week, and the volume of private or non-war construction work was thrown upon a building material market that had been depressed by a normal national annual movement, amounting to a billion and a half and crumpled to barely a half a billion—with half a world lying in ruins and the United States 33 1/3% underconstructed.

It was this problem that called for drastic action. A stampede to construction with another necessary Liberty Loan in sight and the army to be demobilized would produce a situation of very serious mien. This is the way it was solved. The hardest pressed person during the necessary restraint upon building con-

(Continued on Page 9.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING;  
CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Shop and Office Building**, 926 North Third street, Philadelphia. Architect, Le Roy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, George Sachconmaier, 145 North Third street, Philadelphia. Brick, stone trim, 4 stories front, 1 story rear, 17x105 feet, stone foundations, slag roof, tile and marble work, metal lath, hollow metal sash, hollow metal skylights, ornamental iron work, dampproofing. Plans about completed. Architect will be ready for bids January 4th.

**Fire House, Police Station, Boiler House and Stable**, Twenty-fourth and Ritner streets, Philadelphia. Architect, Philip H. Johnson, 1713 Sansom street, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, City Hall. Brick and concrete, limestone, granite and terra cotta, fireproof, 52½ x 46 feet, 1 story, 96x98 feet, 46x52½ feet, wing 46x103 feet, stone foundations, slate roof, cork brick, terrazzo, marble, tile, granolithic and wood block and wood floors (electric lighting, steam heating and plumbing reserved), marble and terrazzo lockers, iron stairs, ornamental iron work, hollow tile, metal lath, safety treads, metal window guards, metal weatherstrips, waterproofing, damp-proofing, wire screens, wire work. Lowest bidders: Frank G. Stewart, 1619 Sansom st., \$304,245; Edw. Fay & Son, 2 South Mole st., \$307,000.

**Garage and Shop**, west side of Fifty-fifth street, north of Market street, \$10,000. Architect, private plans. Owner, J. M. Kennedy, 1001 Chestnut street, Philadelphia. Brick, 2 stories, 42x110 feet, slag roof, steam heating. Owner will build.

**Sub-Station (add.)**, northwest corner of Frankford avenue and Arrott street, \$12,000. Architect, private plans. Owners, P. R. T., 810 Dauphin street, Philadelphia. Concrete, steel and brick, 1 story, 44x17 feet, slag roof, cement work. Owners will build.

**Hospital Building**, Seventh and Delancey streets, Philadelphia. Architect, C. A. Ziegler, Bailey Building, Philadelphia. Owners, Babies' Hospital of Philadelphia, care of Mr. Davidson, 1713 Walnut street. Brick and stone, fireproof, 7 stories, 41x91 feet, slate and cement roof, stone foundations, steam heating, electric lighting, tile and marble work, rolled steel sash, fireproof doors, cement and composition floors, metal lath, elevators, metal window guards, waterproofing. Plans completed. Architect will be ready for bids in about one week.

**Office Building**, 132 South Fourth street, Philadelphia. Architect, C. A. Ziegler, Bailey Building, Philadelphia. Owner's name withheld. Brick, 4 stories, 24x195 feet. Preliminary plans being drawn. Too early for details.

**Store (alts.)**, 1308 Chestnut street, Philadelphia. Architect, David B. Bassett, 420 Perry Building, Philadelphia. Owner, George Miller, care of F. A. North Co., 1306 Chestnut street. Lessees, A. H. Geuting & Co., 1230

Market street, Philadelphia. Concrete, brick, steel, fireproofing, 4 stories, slag roof, 18½ x 104 feet, cement and wood floors, hollow tile, metal lath, tile and marble work, concrete foundations, electric lighting, dampproofing, galvanized iron skylights, steel doors, damp-proofing (elevators reserved), cabinet work, dumb waiter. Architect has received bids.

**Connecting Bridges and Platforms (4)**, Orthodox-Margaret streets and Ruan-Church streets, Frankford Elevated. Architect, Department of City Transit, Bourse Building, Philadelphia. Owners, City of Philadelphia, Department of City Transit, Wm. S. Twining, Director, Bourse Building, Philadelphia. Concrete and steel, cement work, structural steel, slag roof (electric lighting reserved). Lowest bid submitted by Wm. Steele & Sons Co., Sixteenth and Parkway, Philadelphia, \$98,950.

**Water Supply, Sewerage and Draining System**, Spec. 3676, U. S. Naval Hospital, Twenty-fourth and Gray's Ferry Road, Philadelphia. Architect, private plans. Owners, U. S. Government, care of C. W. Parks, Chief, Bureau of Yards and Docks, Navy Department, Washington, D. C. Cast iron, galvanized iron and terra cotta pipe, etc. Lowest bid submitted by Bruno Pizzimenti, Pitman, N. J., \$30,500.

**Cafe**, Woodside Park, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin sts., Philadelphia. Owner, Edw. H. Lentz, 314 S. Seventeenth street, Philadelphia. Frame, 1 story, 76x76 feet (hexagonal), concrete piers, rubberoid roof, mineral flooring, electric light-

ing, cabinet work. Owner is taking bids. Lam Building Co., 1001 Wood street, is figuring.

**Church (alts.)**, southwest corner of Hancock and Oxford streets, Philadelphia, \$700. Architect, private plans. Owners, Church of SS. Peter and Paul, on premises, care of Rev. Marko Kondili, 1642 N. Third street, Philadelphia. General interior alterations, brick work. Owners will supervise work.

**Factory Building**, 612-14-16 Moore street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner's name withheld. Brick and steel, 2 stories, 48x116 feet, slag roof, stone and concrete foundations, steam heating, electric lighting, cement and concrete floors, hollow metal sash and skylights, waterproofing. Plans about completed. Architect will be ready for bids in one week.

**Store and Dwelling (alts. and add.)**, 736 S. Fourth street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner's name withheld. General interior alterations, composition floors, electric lighting, tile work, cabinet work, structural iron, metal ceiling, flush bulks. Plans about completed. Architect will take bids in one week.

**Armory (add.)**, Thirty-second and Lancaster avenue, Philadelphia. Architect, Philip H. Johnson, 1713 Sansom street, Philadelphia. Owners, State of Pennsylvania, Armory Board, Gen. Creswell, chairman. Brick and concrete, 1 story, 155x280 feet, slag roof. Plans about completed. Architect will be ready for bids in about ten days.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Warehouse and Garage**, Third street, below Green street, \$19,400. Architect, Carl P. Berger, South Penn Square Building, Philadelphia. Owners, Northern Liberties Realty Co., care of architect. Brick, slow burning, 1 story, 100x178 feet, slag roof, electric lighting. Contract awarded to D. A. McClelland, 4011 Baring street. Note change in contractor.

**Offices (alts.)**, 316 North Third street, Philadelphia. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owners, Horace T. Potts & Co., on premises. General alterations and repairs, mezzanine floor, timber, cabinet work, oak floors. Contract awarded to George J. Watson, 905 North Marshall street, Philadelphia.

**Barn (repairs)**, Red Lion Road, east of Pine Road, \$5,500. Architect, private plans. Owner, Joseph Sommers, Huntingdon Valley, Pa. Frame and stone, general fire repairs. Con-

tract awarded to Henry Specht, Jr., Heed Building, Philadelphia.

**Bakery (alts.)**, southeast corner of Broad and Butler streets, \$3,000. Architect, private plans. Owners, General Baking Co., on premises. Wood, cork and cement work, build cooler in basement and general alterations. Owners will build.

**Dairy (add.)**, 1446 North Eleventh street, \$1,500. Architect, private plans. Owners, Supplee-Wills-Jones Co., Twenty-sixth and Jefferson streets. Brick, 1 story, 16x40 feet. Contract awarded to George Kessler Cont. Co., Drexel Building.

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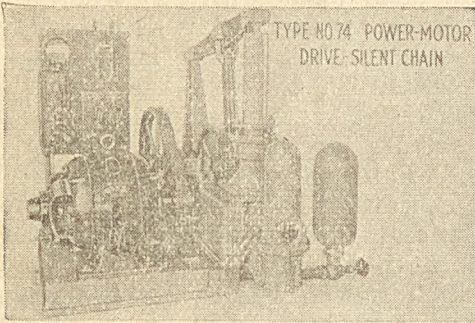
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## PENNSYLVANIA Construction News

**Residence, Lebanon, Pa.** Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Clarence Snively, Eighth and Cumberland streets, Lebanon, Pa. Stucco, 2 stories, 40x26½ feet, wing 15x30 feet, slate roof, stone foundations, hot air heating, electric lighting, yellow pine floors, hollow tile. Plans in progress.

**Victor Theatre (changes to Store), 744 Penn street, Reading, Pa.** Architect, G. L. Gerhard, 619 Penn street, Reading, Pa. Owner, Wm. Kurtz, on premises. Plans in progress.

**Bakery (add.), Third and Grape streets, Reading, Pa., \$40,000.** Architect, Calvin Young, 246 Jameson Place, Reading, Pa. Owners, Reading Biscuit Co., care of R. Esterly, on premises. Reinforced concrete and brick, 4 stories and basement, 75x90 feet, concrete and slag roof, concrete foundations, electric lighting, reinforced concrete floors, hollow metal skylights, 2-ton elevator, roof ventilators, metal window guards. Plans now being drawn. C. H. Schlegel, Mt. Penn, Pa., will build.

**Post Office, Franklin, Pa.** Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, care of Supervising Architect, Treasury Department, Washington, D. C. Brick, reinforced concrete, granite and terra cotta, 1 story and basement, 67x54 feet 9 inches, and two wings 40x52 feet, composition roof, concrete foundations, steam heating, electric lighting, tile, marble and terrazzo work, metal lath, safety treads, metal weatherstrip, rolling steel doors, damp-proofing, ornamental iron work. Owners taking bids, due January 17th. Wills-Ludwick Co., 1706 Sansom street, Philadelphia, is figuring.

**Mill Building, Clifton Heights, Delaware Co., Pa.** Architect, H. M. Hokanson, Presser Bldg., Phila. Owners, Clifton Yarn Mills, Clifton Heights, Pa. Brick, 3 stories, 131x64 feet,

slag roof, cement and maple floors, rolled steel sash (heating, sprinkling system, tank, elevator, electric wiring and fixtures reserved), stone foundations, wire screens. Barclay White & Co., 1713 Sansom street, are taking sub-bids.

**Housing Colony, Yeadon, Delaware County, Pa.** Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owner, Theodore Presser, 1712 Chestnut street, Philadelphia. Stone, brick and stucco. Preliminary sketches being drawn. Too early for details.

**Sanatorium (add.), Cresson, Pa.** Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, Commonwealth of Pennsylvania, care of B. Franklin Royer, M. D., Acting Commissioner of Health, 1900 Race street, Philadelphia. Stone and concrete, brick and terra cotta, 3 stories and basement. Buildings (2 ends) 46x25½ feet, asbestos shingle roof, cement, yellow pine and composition floors, metal lath, concrete foundations, slate work, hollow metal sash, kalamein doors (heating, lighting and plumbing reserved). Owners taking bids, due January 10th at noon. Deposit of \$25 required.

**Cottages (6) and Passages, Sanatorium at Hamburg, Pa.** Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, Commonwealth of Pennsylvania, care of B. Franklin Royer, M. D., Acting Commissioner of Health, 1900 Race street, Philadelphia. Brick, reinforced concrete, terra cotta, A & D, 2 stories and basement, 179x25 feet, wing 35½x34 feet, E and F, 161x25 feet, wing 53½x34½ feet, B and C, 174x25 feet, wing 35½x34½ feet, asbestos shingle roof, concrete and canvas floors, metal lath, concrete foundations, slate work, hollow metal sash and skylights, safety treads. Owners taking bids, due January 10th at noon. Deposit of \$25 required.

**Bank, Centre Square, York, Pa., \$100,000.** Architects, Gemmell & Billmeyer, Rossmiller

Building, York, Pa. Owners, First National Bank, care of M. A. Keyworth, President, York, Pa. White Georgia marble, 1 story, 40 feet high, 35x114 feet, concrete foundations, hot air heating, electric lighting, tile and marble work, rubber tile floors. Plans in progress.

**Hospital, West Chester, Pa., \$300,000.** Architect, H. J. Harper, Church Building, Wilmington, Del. Donor, Pierre S. duPont, Wilmington, Del. Owners, Chester County Hospital, West Chester, Pa. Brick, steel, stone and concrete. Plans in progress. Too early for details.

## Pennsylvania Contracts Awarded

**Residence and Store, corner of Minor and Willow streets, Reading, Pa.** Architect, W. A. Fink, 426 Franklin street, Reading, Pa. Owner, H. J. Raudenbush, Chestnut street and Perkiomen avenue, Reading, Pa. Brick, 3 stories, 17x72 feet, tin roof, stone foundations, hardwood floors, electric lighting, hot water heating. Contract awarded to J. Fassnacht, Reading, Pa.

**Power Plant, River Road and Exeter street, Reading, Pa., \$110,000.** Architects, Muhlenberg Bros., 513 Penn street, Reading, Pa. Owners, Carpenter Steel Co., care of C. W. Crawl, on premises. Brick, concrete and steel, 1 story, 61x180 feet. Contract awarded to Beard Const. Co., 658 Penn street, Reading, Pa.

**Creamery (alts.), Third and Washington streets, Reading, Pa., \$5,000.** Architect, Calvin Young, 246 Jameson Place, Reading, Pa. Owner, J. C. Zeigler, on premises. Interior repairs and reinforcing concrete floors. Contract awarded to G. Kline, Reading, Pa.

**Garage, 904 Court street, Reading, Pa., \$3,500.** Architect, A. F. Smith, 1029 Penn street, Reading, Pa. Owner, J. H. Close, 307 Penn street, Reading, Pa. Brick, 2 stories, 15x34 feet, slate roof, hot air heating, electric lighting. Contract awarded to H. Daudenbush, Reading, Pa.

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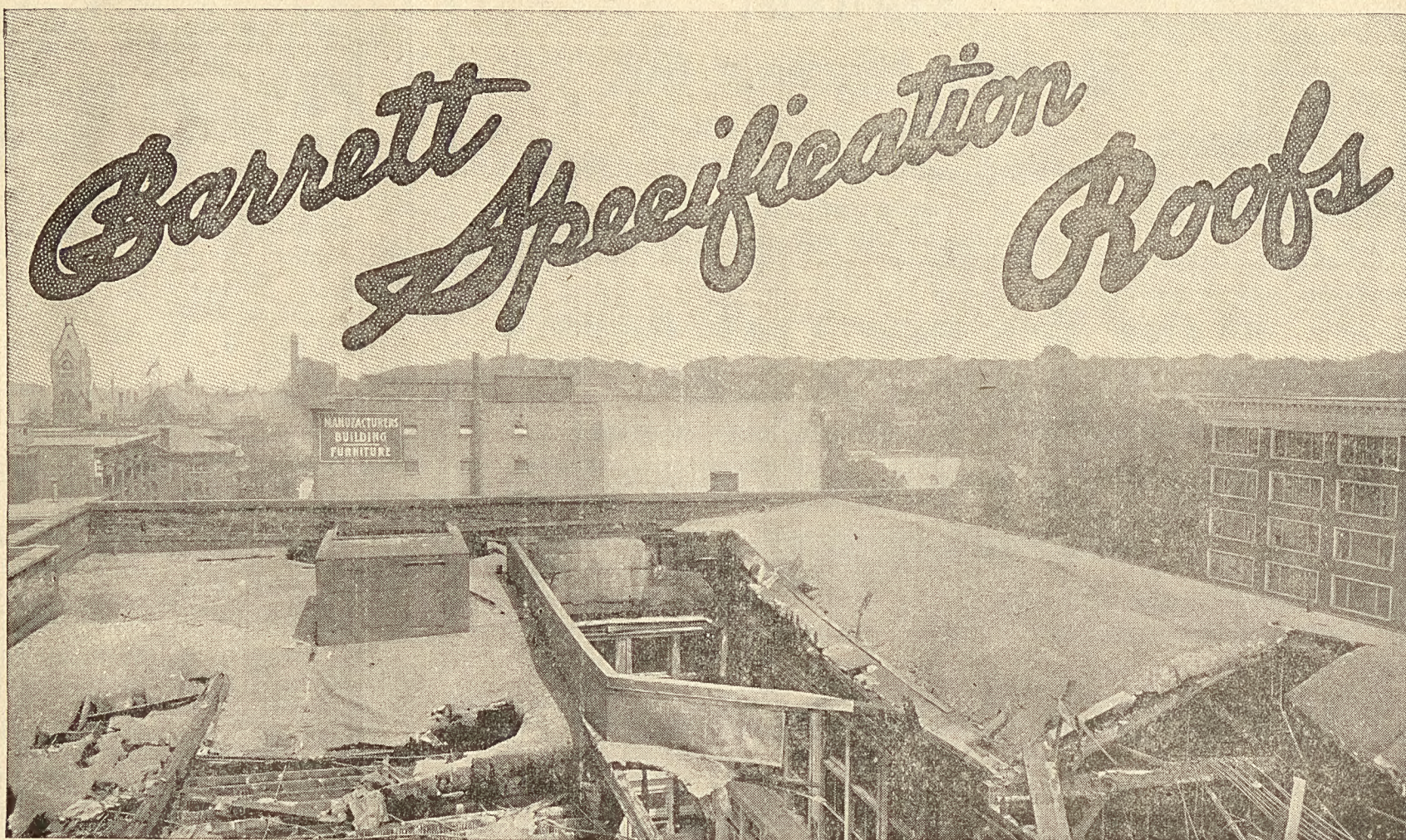
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Mich. Gen'l Con-  
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Rapids, Mich.  
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Sokup & Co.,  
Grand Rapids,  
Mich.

Photo above shows the roof of the Ashton Building in Grand Rapids after a recent fire.

The building carried a Barrett Specification type of roof which served as an air-proof fire-blanket—and served well!

A report of the fire states that the firemen played two heavy streams on this roof for two hours while the fierce fire raged in the upper stories.

Yet the roof did not burn and only succumbed *where the destruction of the roof boards and beams brought about a complete collapse of the support.*

In fire that twisted steel and melted copper, the roofing only smoked, softened

and cooked; but it did not blaze or furnish fuel to the flames!

Notice how strips of it hung on the rafters where flames could attack it edgewise, and yet it was not consumed!

No wonder the Underwriters Laboratories put Barrett Specification Roofs in "Class A" and accord them the base rate of fire insurance!

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We now guarantee Barrett Specification Roofs to last for twenty years without cost for maintenance. The guaranty is a Surety Bond issued by one of the largest surety companies in America, the United States Fidelity and Guaranty Company of Baltimore. It is offered on all roofs of fifty squares and over in all cities in the United States and Canada of 25,000 population and more, and in smaller places also where our Inspection Service is available.

*A copy of The Barrett 20-Year Specification, with roofing diagrams, sent free on request.*

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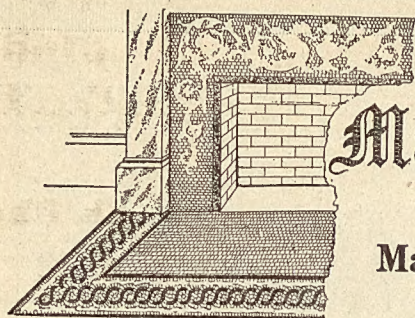
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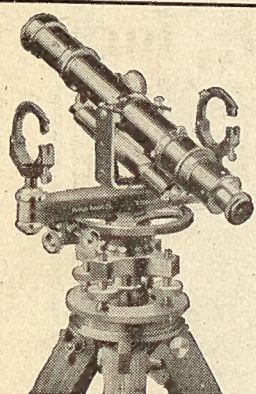
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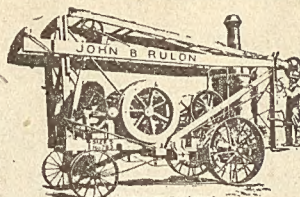
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### Alterations and Additions

Factory, northeast corner of Ninth and Spruce streets, \$4,000. Greenwald Bros. (O), on premises. H. H. Burrell (C), 206 South Quince street.

Warehouse Runway, southwest corner of Third and Ontario streets, \$700. Liggett & Myers (O), on premises. Stewart Bros. (C), 2526 North Orkney street. Iron on iron, 1 story, 7x16 feet, slag roof.

Sub-Station, northwest corner of Frankford avenue and Arrott street. P. R. T. Co. (O), 810 Dauphin street. Concrete, steel and brick, 1 story, 44x17 feet.

Ash Bin, north side of Allegheny avenue, west of Eighth street, \$1,500. North American Lace Co. (O), on premises. The Galbraith Paving Co. (C), 447 Stenton avenue. Reinforced concrete.

Bakery, southeast corner of Broad and Butler streets, \$3,000. General Baking Co. (O), on premises. Alterations, build cooler in basement, wood, cork and cement.

Church, southwest corner of Hancock and Oxford streets, \$700. Church of SS. Peter and Paul (O), care of Rev. Marko Kondili, 1642 North Third street.

Stable, 1528 Washington avenue, \$450. Frank M. Reiter (O), Stephen Girard Building. Joseph F. Meredith (C), 634 North Sixty-third street.

Barn, south side of Red Lion Road, east of Pine Road, \$5,500. Joseph Sommers (O), Huntingdon Valley, Pa. Henry Specht, Jr. (C), Heed Building, Philadelphia. Frame and stone.

Party Wall, 1507-09 Naudain street, \$700. Wesley M. E. Church (O), Fifteenth and Lombard streets. J. F. Trent (C), 2041 Master street.

Residence, 928 North Marshall street, \$350. M. Georman (O), 931 North Twelfth street. B. Aroow (C), 992 North Seventh street. Two bathrooms.

Bakery, 625 North Broad street, \$750. J. S. Ivins & Son (O), 625 North Broad street. John Kovis (C), 1518 North Lawrence street. Brick, 3 over fronts.

Store, 627 Market street, \$1,100. Abe Robins, Lessee (O), on premises. Mike Cylinder (C), 521 Mifflin street. Flush bulk and interior alterations.

Dwelling, 1340 Olive street, \$1,000. Salvation Army (O), northeast corner of Broad and Fairmount avenue. F. L. Hoover & Sons (C), 1023 Cherry street. Alterations.

Dairy, 1446 North Eleventh street, \$1,500. Supplee-Wills-Jones Co. (O), Twenty-sixth and Jefferson streets. George Kessler Cont. Co. (C), Drexel Building. Brick, 1 story, 16x40 feet.

Office, northwest corner of Third and Wood streets, \$2,000. Horace T. Potts Co. (O), on premises. Geo. J. Watson (C), 907 North Marshall street. Mezzanine floor extension.

Dwelling, 1519 North Fifteenth street, \$1,000. George W. Kane (O), on premises.

Store and Dwelling, southwest corner of Uber and Parrish streets, \$1,100. Meyer Myer (O), on premises. Chas. A. Carr (C),

## Miscellaneous Construction News

Post Office, Vineland, N. J. Architect, Jas. A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, care of Supervising Architect, Treasury Department, Washington, D. C. Brick, concrete, granite, limestone and terra cotta, 1 story and basement, 69 feet 10 inchesx56 feet 10 inches, composition roof, concrete and cement floors, steam heating, electric lighting, metal lath, marble, terrazzo and slate work, kalamein doors, metal weatherstrips, dampproofing. Owners taking bids, due January 13th. R. C. Ballinger Co., 218 North Thirteenth street; John M. Yardley, 1716 Sansom street; F. A. Havens Co., 845 North Nineteenth street; Hogg Const. Co., 1634 Sansom street; Wills-Ludwick Co., 1706 Sansom street, Philadelphia; Northeastern Const. Co., Fifth avenue and Twenty-sixth street; Rangeley Const. Co., 405 Lexington avenue; Norman Ker Co., 1123 Broadway; A. E. Beals Corp., 1170 Broadway, and John W. Barnes, 10 East Forty-third st., all of New York City; Olin Gerlach, Frostburg, Md.; R. K. Stewart & Son, Farmville, Va.; The Ohio Building and Const. Co., Cincinnati, O., and Namon Gewertz, 109 Pulaski street, Broadway, N. Y., are figuring.

Residence, Greensboro, N. C. Architect,

Charles Barton Kenn, Bailey Building, Philadelphia. Owner, C. G. Wright, Greensboro, N. C. Frame, 2½ stories, 36x58 feet, wing 20x30 feet, shingle roof, hardwood floors, vapor heating, electric lighting. Plans in progress.

Dispensary Annex, Spec. 3588, Indian Head, Md. Architect, private plans. Owners, U. S. Government, care of C. W. Parks, Chief, Bureau of Yards and Docks, Navy Department, Washington, D. C. Brick, shingle roof, concrete work, heating, electric lighting and plumbing. Lowest bidder, De Kimpe Const. Co., Uniontown, N. J., \$25,800.

Library, Wilmington, Del., \$400,000. Architect, E. L. Tilton, 52 Vanderbilt avenue, New York City. Owners, The Wilmington Institute Free Library, care of A. L. Bailey, Librarian, Wilmington, Del. Preliminary plans in progress. Too early for details.

Welfare Building (add.), Camp Dix, Wrightstown, N. J., \$4,000. Architect, private plans. Owners, Jewish Welfare Works, Camp Dix, N. J. Frame, 1 story, 2 wings, 21x24 feet and 17x32 feet, rubberoid roof, pine floors, hot air heating, electric lighting, plumbing. Contract awarded to J. S. Rogers Co., Drexel Building, Philadelphia.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

### Philadelphia

Open Shed, northeast corner of Thirtieth and Walnut streets, Philadelphia, \$1,200. Equipment Corp. of America (O), on premises. Frame, 24x80 feet.

Garage, 4212 Girard avenue (rear), \$500. Robert Hullman (O), on premises. George H. Evans (C), 45 North Thirteenth street. Brick, 1 story, 12x18 feet, slag roof.

Factory and Garage, 118 North Camac st., \$4,800. Charles A. Clark (O), 116 North Camac street. Brick, 2 stories, 20x76 feet, slag roof.

Garage and Shop, west side of Fifty-fifth street, north of Market street, \$10,000. J. M. Kennedy (O), 1001 Chestnut street. Brick, 2 stories, 42x110 feet, slag roof, steam heating.

Buy pure lime, 99% pure, no core, no grit. DAVID FRANCE CO.,  
Tasker Street Wharf, Delaware River, Phila. Both 'phones.



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EFFICIENCY FOR EVERY SERVICE.

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A certain wallboard man advertised in the Guide for awhile and then dropped out. We've had a dozen inquiries since then, asking for his address—every inquiry from a cash buyer. This is a common occurrence. It's hard to make some advertisers see the vital importance of a standing "ad."

When you stop to consider that the Guide reaches every week and is read by architects, builders, building owners, contractors and sub-bidders in every branch of building construction, you must perceive its unique importance as a medium for advertising with an appeal to that class. Every copy reaches a live prospect.

## Proposals

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### INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., December 18, 1918.—Sealed Proposals will be opened in this office at 3 P. M. January 15, 1919, for miscellaneous changes in the United States Post Office building at Portsmouth, Va. Drawings and specifications may be obtained from the Custodian of the Building at Portsmouth, Va., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., December 24, 1918.—Sealed Proposals will be opened in this office at 3 P. M. January 14, 1919, for furnishing the labor required in the construction complete, with materials that will be furnished by the Government, of the South Building for the Hygienic Laboratory at Washington, D. C. Drawings and specifications may be obtained at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

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PHILADELPHIA, PENNA.

### AS THE EDITOR SEES IT.

(Continued from Page 4.)

struction was *the small man without moderate holdings* who suffered extreme hardship through being prevented from making improvements.

The Government gave him a free rein provided his operation did not exceed \$10,000 in cost. All work between \$10,000 and \$25,000 in cost was left to the discretion of the local Councils of National Defense. Jobs beyond that figure were made referable to Washington for final permit.

In the meantime building material manufacturers were encourage to proceed with the manufacture of building commodities at top speed. Labor that ten days ago was almost impossible to obtain was suddenly released to carry out this plan. One lime manufacturer who wanted a large number of men was provided with his entire quota inside of three hours. Coal for fuel in such plants was released.

War industries plants not producing materials necessary in a non-combating army will be demobilized gradually. Then the armies returning from France and other countries will begin to arrive, and with Federal control of the building situation, with materials in fair demand and controlled according to domestic and foreign requirements, both as to supply and price, the home-coming armies can be absorbed into the construction industry, both private and public, which, next to agriculture, will be the major channel of military dispersement.

The building industry, through this plan, emerges with less than a week's notice from the most depressed of non-essential industries to a place of paramount national and international importance. Without general organization as in the steel industry, far-sighted officials fore-

saw the danger of lack of co-operation and the great danger of price wars, etc., unless not only the demand, but the supply of building materials were placed under Government supervision.

The situation, as far as domestic conditions were concerned, could be controlled by an appeal to the patriotism of the American builder and the loyalty of the Yankee building material manufacturer, financier and Real Estate owner, but the situation developed by reason of the revelations being made by architectural emissaries sent abroad to study the rebuilding problem in devastated areas in France, Belgium, and other war-wrecked countries, regarding the inability of their own people to supply materials enough to meet the demand, at least for the finer structures.

There will develop an export trade in all kinds of basic building materials within the next few months. Common brick from the Hudson River is even now in certain buildings in France, and there are a "few" inquiries for hollow tile for export. The same may be said for cement. Steel already is an export commodity and there is likelihood of a foreign movement in plaster and lime. Companies have already been organized to export mill work and kalamein.

The attitude of the New York City financiers is directly in line with this new readjustment policy with relation to building construction. The Dow Service Daily Building Reports was informed on Friday by an officer of probably the largest lending institution in the country that no engagements would be made for building construction in New York before next September, except as approved and in accordance with the Federal plan.

This policy is shaped entirely so as to give the small operator a chance to recover before the entire building move-

Washed Bar Sand and Gravel will take less cement on concrete work. We know how.  
DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



# HEATING

**BOWERS BROS. & CO.**

 1629 Ludlow Street  
 Philadelphia, Pa.

ment is thrown fully open as outlined in the Federal program. There is no restriction placed upon savings banks and other building loans, if the project has official approval.

This, then, is the point of interest to homebuilders. Under the Federal release any project up to \$10,000 may be carried out without permit. Where the construction of a group of moderately priced homes is contemplated there will be little trouble in obtaining official permission to carry out the project as the Government recognizes the immediate need for homes.

Every indication seems to point out next spring as the logical time to commence homebuilding. During the winter period there will be a greatly increased production of building materials which will be available for the smaller builder if the wise policy of the Government continues to insure his protection for a limited period. Undoubtedly, when restrictions are generally removed and many large projects now under consideration are actually started, there will be a diversion of basic building materials and of labor to this larger field and the prospective homebuilder will find more difficulty in carrying out his project. Thus the wisdom of preparing for homebuilding next spring is apparent so far as the attitude of the Government is concerned, but there is still for consideration the much more difficult question of the price of building materials and resultant cost of building.

There can be no doubt that in the average residential district of any part of the United States the cost of building a house, affected by labor and material costs, has been increased approximately 50%. Thus a house which in the period before the war would cost \$5,000 to build will cost at least \$7,000 and probably \$7,500. The question, then, at first consideration, would seem to be how soon this cost will return to a pre-war basis. It is safe to assume that this will not happen for at least five years and probably for many years after that.

Analyzing this question of building material costs, we find that in the production of building materials, labor is the great factor upon which costs are determined. The mining, digging and cutting

of raw materials and fuel for manufacture are largely the production of labor. Passing through the various stages of building material manufacture and into the production of finished buildings we find labor bearing a burden of at least 60% of production.

It is safe to assume that wages are not to be greatly reduced for many years. Workmen have become educated to greater incomes than in the period preceding the war, even though the cost of living has kept pace with the increased pay-roll. The making and spending of more money has become the fashion of the day. It is significant to note that at no time has the middle-class jewelry business carried on such a volume of trade as in the latter part of the war period.

The fact that the United States has during the recent years become a great creditor nation, coupled with its vastly increased merchant marine bids fair to guarantee large production for export trade. New industries have been created to produce materials for home consumption for which we have heretofore been dependent upon foreign countries. Our industrial field now enters a period of expansion which is still largely unrecognized. Every industrial producing unit created for purpose of war material production will seek, and in most cases find, a new outlet for its manufacturing potentiality. Labor will be in demand for municipal improvements, large building operations the continued manning of great factories. It is apparent that for years to come we are called upon to feed, clothe and even house millions of persons abroad. This means a steady demand for labor in this country.

It is apparent that we cannot look for a great reduction in the price of building materials for many years to come. Therefore, in planning to build next spring, the homebuilder will be ready to act and can at that time be governed by new conditions which then will clearly define what may be expected within a period of several years.

Admitting that the future does not promise a great saving in construction cost, it would seem that the homebuilder must of necessity reconcile himself to paying more for his home, placing this increased cost in the same philosophical

category as that of food, shoes and clothing. There is one saving factor, however, one means through which the cost of the home may be materially reduced and this is worthy of careful study.

We refer to the practical and economical planning of the home—and here is an activity which should interest tens of thousands of persons in the United States during the winter months. The object of this study should be to eliminate every inch of waste space, every room which is little used and to so cut down the cost. The fact is that by careful planning an amount of home utility may be purchased next spring for \$5,000 equal to that purchased by the same amount of money in the average manner of spending it for homebuilding before the war.

We are not practical homebuilders in the United States. We do not make the most of our rooms as is done in the moderate cost houses of England or France. Why? Because we have never been forced to this economy? Because we have lost the appreciation of real home surroundings? No! Simply because the man of little income has lived in the truest sense beyond his means. He has demanded at a small price the same type of house that the wealthier man has built and he in turn has tried to incorporate in his home the features of the mansion. To this taste the speculative builder has pandered through the medium of cheaper materials and inferior work.

Let the American homebuilder once realize this fact, seeking economy in design, and we will enjoy a new class of homes in which comfort will outweigh "front" and the instinctive home spirit of the average American will be fostered and his appreciation of simple artistic design and furnishings will bring to the home a real creative pleasure which is now enjoyed by few.

The various possibilities in economical design are gradually coming to popular recognition. This fact forecasts a veritable Renaissance in the art of homebuilding in this country. Of this condition every builder, Real Estate broker and operator should be cognizant. The possibilities of the combined kitchen and dining-room, the practical use of the living room, abandoning the useless "par-

We have pebbles all sizes. Cost less than what you are using. **DAVID FRANCE CO.**, Tasket Street Wharf, Delaware River, Philadelphia.



lor"—such are the possibilities which should be in the minds of the planner of homes for whatever purpose."

\* \* \*

**N**OTHING is of greater importance in the present period of reconstruction than the proper adjustment of the labor situation. As a means of solving this problem now confronting the industrial world.

A conference of far-reaching importance will be held in Washington, beginning January 6, when the United States Employment Service of the Department of Labor opens a two weeks normal training course for examiners. Upon the completion of the course those who have acceptably passed through it, will be sent out a trained and efficient staff to make standard the use of a common agency under the Government, for labor distribution and placement.

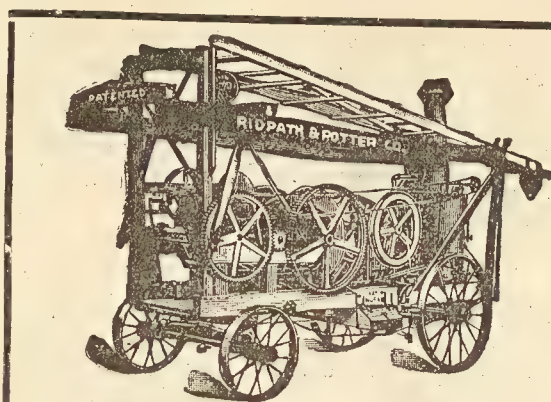
Thirty employees of the Employment Service have been designated to take the first course, on completion of which they will be returned to their own States, so far as possible, and there will train their own examiners for service.

Men from fifteen States have been selected to attend this first conference and take the course, and will generally be assigned to field work in pairs.

Instructional talks on the scope and methods of the service will be given by administration officers in charge of the various divisions of the work and topics of major importance dealing with the part of the Employment Service in the whole field of industrial adjustment, will be discussed at evening lectures, by men who are leaders in shaping the labor programme for the country.

At this conference there will be issued an official set of instructions covering the same topics for the work in the States, thus gaining uniformity of instruction to local officers. The course is an intensive one, embodying thoroughness and breadth of instruction, as may be inferred from a glance at the programme and plan of study. Many prominent persons will give the students the benefit of their experience and study of the subject, which, it is agreed, is one of the great vital problems with which the Government has to deal. The course and subjects for discussion are as follows:

First Day—Explanations of Reasons for and Methods of Conference and Training in State. Purpose and Development of U. S. Employment Service. Present Industrial Conditions. Competitive Basis but maintaining Advanced Standards gained in War Periods. Ne-



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cessity for knowing Local Conditions. The limited but vital part of the Employment Bureau in the field of Industrial Adjustment.

Second Day—Round Table on Office Layout. General Discussion of Work to Date. Functions of Director General. Contacts with Department of Labor, etc. What the Examiners should Note in Modern Industrial Production. Special Agencies with Which Examiners Must Work. Need for local Survey of Community. Industrial Labor and Government Agencies. Knowledge of Their Standards.

Third Day—Round Table on Interviewing and Placement. Plans for Demobilization of Soldiers and War Workers. Enlightened Industry and the U. S. Employment Service.

Fourth Day—Interviewing Placement. Fiscal and Personal Regulations. Special Considerations in Placing Women.

Fifth Day—Round Table on Special Departments. Field Organization. Coordination of Sections and groups within Service. The Examiner and his contact with employers, organized Labor and the Service.

Sixth Day—Trade Tests. The Morale of the Service. Dinner and good fellowship.

Eighth Day—Functions of Federal Director. State Organization—Contact with Labor and Jobs. Clearance in States. Round Table on Reports and Forms. Trade Tests.

Ninth Day—Organization of Local District. Labor Community Boards. Survey of Community Needs and Possibilities. Clearance Summing Up. Round Table on Files and Filing.

Tenth Day—Organization and Work in Local Office. Sources of Work. Round Table on Job Soliciting. Employment Experiences Abroad and Successful Extension here.

Eleventh Day—Special Problems in Junior Placement. Special Problems relating to Handicapped. Round Table on Recruiting.

Twelfth Day—Round Table on Casual Labor: Industrial, Railroad, Farm, Day

Work (Domestic). The Organization of the Casual Labor Market. Written examination. Summing-up Course and Methods of Training in States. The Potential Permanent Value of the U. S. Employment Service.

Thirteenth Day—Individual Conferences. Instructions on Methods of Training and Rating Examiners.

Nathan A. Smyth, Assistant Director General of the U. S. Employment Service, in commenting on this programme, says:

"The training of our personnel is the most important thing we have before us. We have rendered effective service to the nation in assuring a sufficient working force to those industries engaged in vital war production. We are launched upon a vital programme to replace in the industries of peace the millions of men and women who have served in the military and industrial armies of our country. And we are looking forward to the time when through a well-established and efficiently co-ordinated chain of labor exchanges we can do much to eliminate unemployment and the retardation of production.

"Born of the war and tested by it, we have yet before us the real test of success. From now on we can serve the workers and in industries only if we are efficient. We have no repressive powers of law; we can justify our existence and establish the long needed and universally desired public employment service, only if we make good. Our success depends primarily upon the daily work of the examiners in the local offices. By the quality of their work, by their comprehension of the difficult and delicate task that is theirs the Service will be judged.

"In order, then, that we may all uniformly grasp the vision of our work, and may intelligently develop a standard practice in the field of regularized employment, we are inaugurating a programme of training for all the personnel of our Service. The instruction that is to be given at the first Normal Conference, and the content of knowledge that will develop therefrom—for we shall learn much

Our specialty is Portland Cement that will stick and pass the City Department. **DAVID FRANCE CO.,**  
Tasker Street Wharf, Delaware River, Philadelphia.



from the experience of the States—will be carried back to all the examiners and others in the Service who represent it before the public.

"We call upon the Federal Directors throughout the country to give their heartiest support to this work, feeling that it is the keynote of our future success. And we call upon all members of the Service to enter upon this programme of mutual training and self-development in the spirit of fellowship and professional pride that will make our common task a truly great service to the people."

\* \* \*

**D**EVELOPMENTS affecting industrial development in the United States during the war have been:

1. The creation of the National War Labor Board—for the settlement of labor disputes by mediation and conciliation.
2. The establishment of the United States Employment Service—with about four hundred offices throughout the country—for affording recruiting, clearing and distributing facilities for war industries labor.
3. The development by the National War Labor Board of a body of labor decisions which will form a basis for the adjustment of future industrial difficulties.
4. The fixing in many cases of a minimum wage and minimum scale of hours by the War Labor Board.
5. The creation of the Federal Board for Vocational Education—to re-train, re-educate and rehabilitate disabled soldiers and sailors.
6. The increased employment of women, particularly in war industries.
7. The transference of many men, women, and boys not only into the major industries, but from underpaid or "blind alley" jobs.
8. The consequent addition of many trained workers to the country's industries.
9. Also the consequent disturbance of conditions relative to production in many industries,—to be followed, after the war, by another "general post."
10. Great increase in wages,—to a degree which can scarcely be maintained in after-the-war readjustment.
11. The dawning recognition that material advantages of Labor—high wages, fewer working hours, good factory conditions, steady employment—do not, except, perhaps, temporarily, lessen the number of strikes, disputes, or difficulties with production; and that, therefore, there must be evolved a new incentive for the industrial worker. This recognition is exemplified by—

12. The adoption of the employees' representation plan by such large concerns as the Standard Oil Company, the Midvale Steel and Ordnance Company, the Lukens Steel Company, and the Colorado Steel and Iron Company.

#### HOUSES FOR FARM HELP.

The attempt to relieve the shortage of farm help by recruiting volunteer labor in the cities may prove more or less effective in the crisis of saving the wheat crop, but there is small chance of it lessening the farmer employer's troubles during the remainder of the year. The harvest hand volunteer from the city regards himself as the emergency man only, abandoning his usual tasks to assist in saving the country's bread supply, and even if he should demonstrate an aptitude for farm work he is ready to return to the city when he has done his bit in the wheat field. With the great majority of farmers harvesting the wheat is only one of many tasks, and the labor problem looms larger than ever after the city helpers are gone.

It is very evident that the farmer is going to be compelled to adopt new and extraordinary measures if he is to attract and hold the help he needs in the operation of his business. Marked increase in wages have failed to do the trick. The employer of farm labor must seek another way out. Here is one way—a way that is not particularly new, except that it be put into execution instead of merely being talked about, as it has been mostly in the past:

*Make living conditions more attractive for the hired help on the farm.*

That idea, first off, may not particularly impress some farm owners, but if they will let it sink into their systems and ponder it a while, they will begin to see that it has some remarkably convincing features; understanding at the outset that, when "more attractive living conditions" are mentioned, it is not meant that the farm must be equipped with a motion picture show and ice cream soda fountain, but that the accommodations provided for the farm employees approximate those enjoyed by folks in town. In other words, give them quarters to themselves, where they can be comfortable in their own fashion in their leisure hours or in times of enforced idleness, and where they can enjoy some measure of privacy and independence of action.

The man who doesn't advertise, these days, is forgotten. The world is too busy to look up dead ones.

## The Page "Ad"

"I like the clean, outstanding appeal of the page ad," said an advertiser recently, "but I'll be frank to say that I've never been able to convince myself that it can be made to pay."

"Have you ever tried out a whole page?" he was asked.

No. He hadn't. But he knew what a page of space would cost, and he couldn't get away from a certain overhang of doubt that the additional results would prove commensurate with the extra outlay.

We mentioned Wanamaker, who uses a page a day regularly, varying this program now and then by making it two pages.

Oh, yes, of course. But then Wanamaker's case was quite different.

We asked him to point out "how" and "why."

The truth of the matter is that the page ad is just as much more effective than the small ad as the big show window is more effective than the small show window.

To be sure, in the case both of the ad and the window a whole lot necessarily depends on just what you put into them and how you dress it up.

It wouldn't be good business to buy a page of space in order to work off a string of poor sales-talk.

But, assuming that the sales-talk is "right" and the article it is designed to sell an article that has real merit and utility, the page ad is actually the short cut to results.

The first object of any ad is to get the attention of the reader.

Nothing does this more effectually than the page announcement.

We have in mind an advertiser who slips a page space into his regular schedule now and then just as an interest-reviver.

He tells us it pays big.

Whether it would pay as handsomely in your case, we are not in a position to say.

Why not try it out?

The cost is not excessive.

Call Mr. L. S. DeLone.

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Pennsylvania's Oldest Architectural and Building Trades Magazine

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Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

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Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

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F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Face, Etc.).

O. W. Ketcham.....Builders' Exchange, Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

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David France Co.,  
Tasker st. wharf, Delaware River, Phila.

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Finance Bldg., Phila.

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Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.  
Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.  
Woodoleum Manufacturing Co.,  
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The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
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Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
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Anchor Post Iron Works,  
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Merchant & Evans Co.,  
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Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.  
General Fireproofing Co.....832 Arch st., Phila.  
Henry S. Harris.....Land Title Bldg., Phila.  
Metal Lathing Specialty Co.,  
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Pearce Fireproof Co.....1345 Arch st., Phila.  
Truscon Steel Co....Commonwealth Bldg., Phila.

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Borden Stove Co.....1311-13 Arch st., Phila.  
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Fleck Bros. Co.....44 N. 5th st., Phila.  
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## Light Iron Construction.

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## Pipe Fittings and Valves.

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## Plumbing Fixtures.

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## Ranges.

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## Roofing.

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## Surety Bonds.

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December 31, 1917

|                      |   |   |                 |
|----------------------|---|---|-----------------|
| Cash Capital         | - | - | \$ 4,000,000.00 |
| Reserve for Premiums | - | - | 10,630,740.40   |
| Reserve for Losses   | - | - | 4,419,000.00    |
| Reserve for Taxes    | - | - | 950,000.00      |
| Reserve for Sundries | - | - | 160,000.00      |
| Surplus              | - | - | 8,317,502.26    |

**TOTAL****\$28,477,242.66**

|                                |   |   |                  |
|--------------------------------|---|---|------------------|
| Surplus to Policyholders       | - | - | \$ 12,317,502.26 |
| Losses Paid Since Organization | - | - | 192,518,273.33   |

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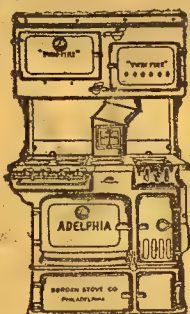
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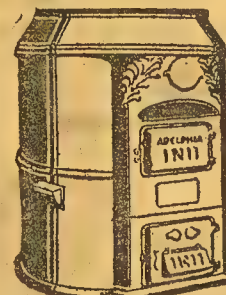
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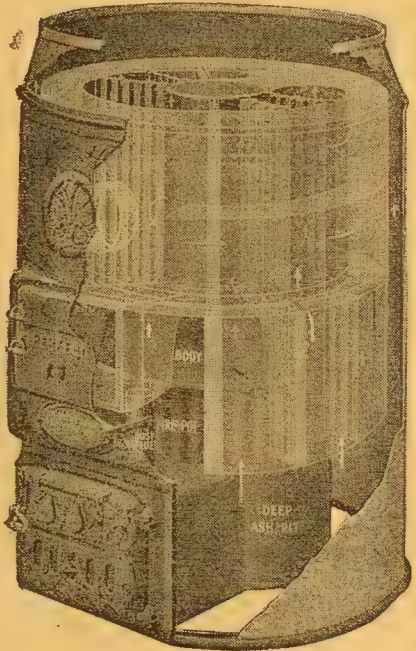
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 2  
January 8, 1919

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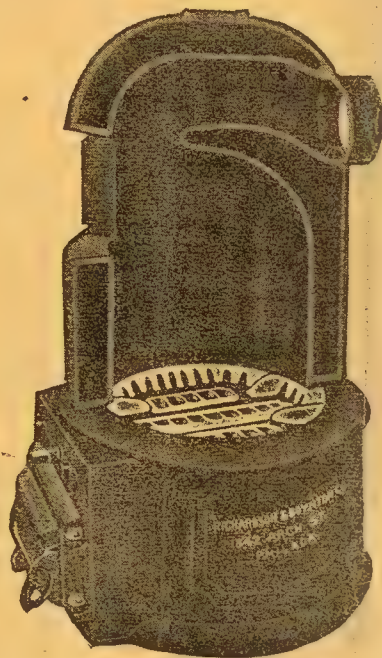
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TRUSCON STEEL COMPANY

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## An important part of a fence is in the ground

It's the anchorage of the posts that determines whether the fence will keep its alignment and stand straight and true after years of service.

### ANCHOR POST FENCES

are built on anchor posts which are driven into the ground and then held rigidly erect by two Anchor stakes driven diagonally through slots clamped to the sides of the posts.

Iron Railings and Entrance Gates, Lawn Fences, Tennis-Court, Poultry and Kennel-Yard Enclosures, Arbors, Trellises, and Flower-Bed Guards. Catalogues of any or all are yours upon request.

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## Diamond Flexible Metal Weather Strip

## KANE WOOD FRAME SCREENS

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Perry Building, Philadelphia

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Mosaic



Terrazza and  
Ceramic Mosaic

Tiles for Floors and Fireplaces  
Interior Marble Work  
Mantles, Marble and Wood

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PHILADELPHIA

Branch Office, Allentown, Pa.  
225 COMMONWEALTH BUILDING

Base and Floor  
one continuous  
piece



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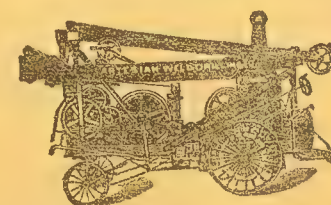
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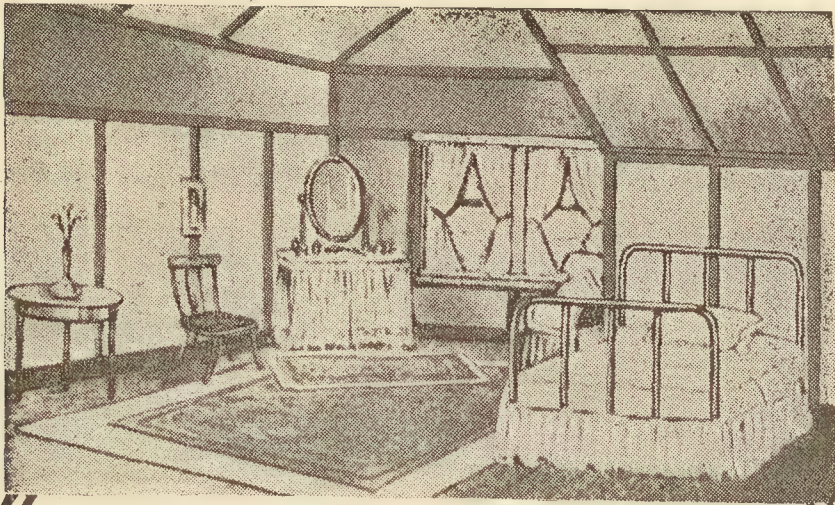


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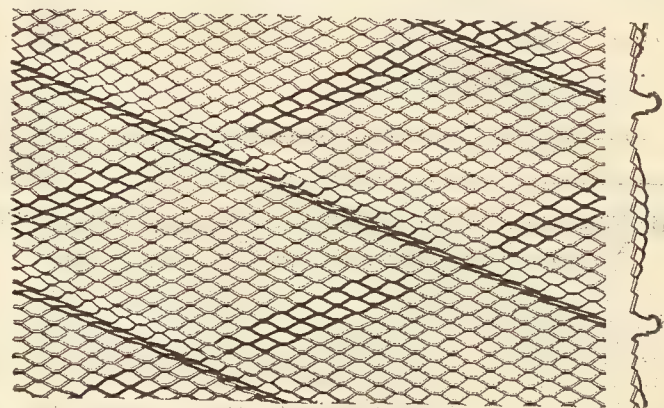
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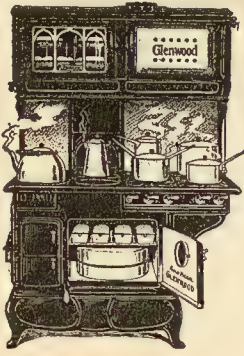
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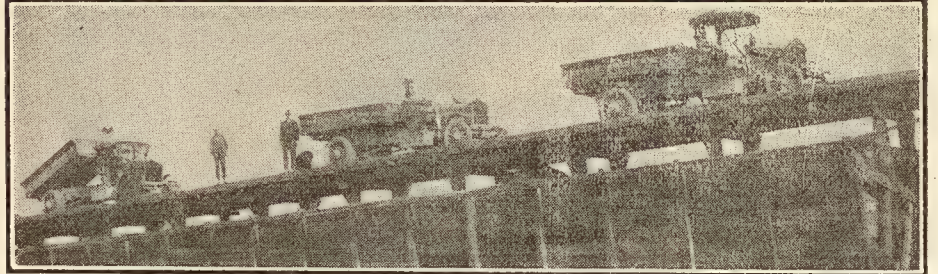
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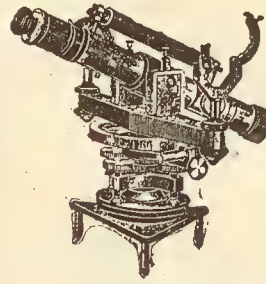
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 2

PHILADELPHIA  
January 8, 1919

## BUILDERS' GUIDE

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## As The Editor Sees It



A CLOSE study of the problems of the reconstruction serves to point out two most vital factors in the solution of these problems—organization and co-operation. It goes without saying that war-time conditions will not continue and it is not desirable that the pressure of war-time should continue. There has been a demand for materials and labor in excess of any possible supply, and the conditions thus created in the nature of things were abnormal and temporary.

It cannot be questioned that the general tendency will be downward from present levels, but there are counter influences which will tend to hold the movement in check. The most important of these influences is the high cost of living, which, owing to the situation in foodstuffs and clothing materials seems not likely to decline much before another world's crop has come to market. It is very desirable that the general wage scale and living costs shall decline together, so that the wage-earner may lose nothing of his present command over the goods which enter into his budget.

In due time the cost of living will certainly come down. It would be impossible by any concert of action that can be imagined to keep them at the present level. Farm products are bound to follow the law of supply and demand, and the development which is going on in agriculture, together with

the demobilization of the armies will bring them down. The farm tractor is an agency which will have an important effect, especially in the opening of new lands, and there are numerous influences at work. But when farm products come down, so that the farmer is feeding the industrial population at lower prices, he will expect that the industrial products which he buys will also come down. It will be unfair to him if they do not, and if they should not do so promptly there will be a renewal of the movement away from the farm and into the town industries until the equilibrium is restored by natural forces.

Of course it is to be hoped that in these readjustments all parties will gain something, and that will be the case if they all improve their methods and are loyal and fair to each other as partners should be. They are all members of the productive organization, exchanging services with each other, and if they all increase in efficiency, they will all find their labors bringing them larger returns. And no class can increase its net earnings in any other way without reducing the share of the others.

Prices of material and labor are of paramount importance to the building trades and opinions vary greatly as to the probability of a decline in wages and material. According to a recent commerce report to this Government by Mr. C. W. A. Veditz, commercial attache at Paris, there is no drop to be expected in

prices in the near future. Building material market conditions are no better in European countries than here, and high prices will be maintained until supply meets the demand. The increased price for stone and sand, raw materials extracted from the soil, is, in Mr. Veditz's opinion, due to the increased cost of labor and of fodder for traction animals. As the demand for labor will be urgent after the war, high wages will be maintained. Increased prices on hay and oats, which has a direct influence upon local transportation, cannot be expected to decline for some time. Since the causes for high prices of materials and labor seem to be here for some time to come, it is reasonable to expect these high prices to continue.

On the other hand, Clarence R. Ward, architect, gives a more optimistic view of the situation in the *Architect and Engineer*. Mr. Ward says:

"War profiteering is over, or nearly so. In spite of more or less successful efforts to prevent it, it has existed, due partially to 'combination' of producers and partly to circumstances.

"There are three great business fundamentals—competition, supply and demand. These fundamentals have worked for the past four years principally for the benefit of the producers. They should now begin to operate for the benefit of the consumer.

"I am optimistic enough to believe that this new condition will benefit building

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operations at a much earlier date than is generally expected.

"The cessation of war activities will release upon the market vast quantities of building materials, as well as machinery for their manufacture. To this condition add the release of vast numbers of artisans and laboring people of all classes and men coming back from the service. This will produce a spirit of competition which does not now exist. In fact, it will be a healthy stimulus to the morale of producers and working people and will result in greater productiveness, even though the present wage scale should be maintained.

"Such conditions should shortly tend materially to reduce the cost of building construction. In turn this should prove interesting to investors in real estate and buildings—men who have not recently been able to figure a reasonable return on building investments owing to present high costs.

"A very large amount of necessary building must be done in this country before the readjustment of affairs in foreign countries stimulates the reconstruction of what has been destroyed.

"As the world will look to the United States to furnish a very considerable proportion of materials necessary to rehabilitate regions devastated by war, it therefore behooves the investor here to get busy immediately. At least he should have his plans ready, thus enabling him to strike while the iron is hot."

There is, however, one outstanding feature of the situation which overbalances all other considerations. A big building era is here! Whether prices fall or rise; whether labor is scarce or plentiful, building must go on, to fill the very great deficiency existing now and due, of course, to the necessary restrictions put upon building during the war. Houses must be built to care for the several million young men who will return from the demobilized army.

Public work, postponed on account of the war, will now be put under way. Industrial buildings, held up for war work, are indispensable and must be supplied; banks, whose officers have been conservative about making alterations and additions due to expense of building, will now find improvements must go forward. Everything points to a great boom in the building world.

**A** FEDERAL Town Planning Bureau, whose purpose would be not only to finance, but to provide for and supervise the building of more beautiful communities in the future, was suggested last week, at a meeting in the Philadelphia City Club of town planners, labor leaders, civic work-

ers, architects, housing authorities and real estate operators from all parts of the country.

Lawson Purdy, a noted authority on taxation; J. Horace McFarland, president of the American Civic Association; Frederick Law Olmsted, considered America's foremost landscape gardener; Robert W. DeForrest, president of the National Housing Association, and Henry Sterling, representing Samuel Gompers, president of the American Federation of Labor, were among those present.

Their idea in meeting here was to take the initial step in making American cities better places in which to live and to improve the living conditions generally of "Mr. and Mrs. Average American."

Two resolutions were adopted. The first was "That there should be a Federal agency which should cover industrial housing, town planning, and community planning in the broad sense of dealing with the entire physical environment of the inhabitants." It was moved that a committee be appointed to obtain the co-operation of national civic organizations in drafting a bill to create such a bureau either in the Department of Labor or the Department of the Interior.

The second resolution was aimed at the Senate resolutions which provides for the stopping of work on all building projects unless they are seventy-five per cent. completed. It was voted to request the chairman, Mr. Purdy, to appoint a committee to go before the House of Representatives' Buildings and Grounds Committee next week and oppose the passage of this measure which, they contend, would seriously hamper building operations now when they are most needed.

The meeting was held at the suggestion of the American Civic Association. Three members of the Labor Department's Commission on Living Conditions Among Industrial Workers, took a prominent part in the deliberations. They were John A. Voll, a labor official; John Richards, chairman of the Commission, and Mr. McFarland, of the American Civic Association.

Others present were Charles Moore, of Detroit, president of the National Commission of Fine Arts; John M. Glenn, treasurer of the Russell Sage Foundation; John Ihlder, secretary of the Philadelphia Housing Commission; J. D. Leland, vice-president of the U. S. Housing Corporation, Department of Labor; Mrs. Edward W. Biddle, Philadelphia, president of the Civic Club; Frederick L. Ackerman, Emergency Fleet Corporation; Edward T. Devine, of New York; Andrew Wright Crawford, secretary of the Philadelphia Art Jury; Dr.

Teix Adler, of New York, and Thomas Shallcross, Jr., Philadelphia.

A majority of the town planners remained over for a meeting in the City Club at which tentative plans were discussed for improving the living conditions for the employed classes. Judge J. Willis Martin was chairman. An address was made by Chairman Richards, of the Commission on Living Conditions among Industrial Workers.

#### A THRIFT SUGGESTION.

ANDREW H. HEPBURN, ARCHITECT.

Most of us realize that the cost of a house is in direct ratio to its size. In an inexpensive house, which will give a family what every family has a right to demand—convenient, comfortable and attractive surroundings at low rent—it is vitally necessary to eliminate all waste space. I contend that, for a low rent house, a separate dining room is not only unnecessary, but is an absolute disadvantage. I believe that this fact would be appreciated by tenants if the proper means of presenting alternatives were adopted.

First, we must consider the elephantine dining room "set" of furniture. Bought because of a custom established by those who sell such things, it has become necessary to build a room expressly to hold it, a room usually not large enough for the furniture and the family at the same time, but the room, nevertheless, is there and the furniture is there. That which causes an increase in size and therefore in cost of the house must, of course, increase the rent.

Would it not be better to supply inexpensive but attractive and suitable furniture for a room which could combine the purposes of both living and dining room; gate-leg tables, for example, which could be set aside when not in use, a sideboard like the old one in the kitchen in Mount Vernon; the possibilities are infinite.

There is not a business one can think of, which is not full of little temples where one can curse or pray. Every business that one knows has its host of light in it, fighting against its host of darkness; one set of men conducting the business as if they and the public were engaged in a sort of mutual enthusiasm and daily service, with permanent success as the goal; and another set of men whose success is ruining the business to which they belong, and the public besides—and themselves.

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CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Garage**, 925 North Sixty-fourth street, Philadelphia, \$1,000. Architect, private plans. Owners, Moss & Taylor, Fifty-eighth and Girard avenue, Philadelphia. Stone, 1 story, 18x21 feet, slag roof, cement floor. Owners will build.

**Factory (alts.)**, northwest corner of Oxford and Howard streets, \$1,000. Architect, private plans. Owners, Valkone Dye and Finishing Co., on premises. Brick, general interior alterations. Owners will build.

**Convenience Station**, Juniata Park, K and Cayuga streets, \$15,000. Architect, Joseph A. Roletter, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Property, City Hall. Brick foundations, hollow tile and stucco, 2 stories, 52x17 feet, slate roof (louvres), tile floors and walls, electric lighting, hot water heating, artesian well, mill work, cement work, plumbing. Plans about completed. Owners will be ready for bids in about one month.

**Residence**, Chestnut Hill, Philadelphia, \$20,000. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner's name withheld. Stone, 2½ stories. Preliminary plans in progress. Too early for details.

**Store and Dwelling (alt. and add.)**, 745 S. Second street, Philadelphia. Architect, J. Ethan Fieldstein, Penfield Building, Philadelphia. Owner, Mrs. Jennie Goldsmith, on premises. Brick, 3 stories, 19x100 feet, slag roof, stone foundations, steam heating, electric lighting, tile and marble work, hardwood, maple and cement floors, metal ceilings. Plans completed. Ready for bids.

**Bank Building (add.)**, Front and Norris streets, Philadelphia. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, the Ninth National Bank, Ira W. Barnes, President, on premises. Brick, marble and terra cotta, 1 story, mezzanine floor and storage floor, interior marble work, bronze work, reinforced concrete, cabinet work, steel shutters, iron grilles, ornamental plastering, rolled steel skylights, indirect system of steam heating, metal lath, hollow tile, plumbing, electric lighting, area grilles, mahogany wainscoting, reinforced concrete and slag or composition roof. Plans about completed. Will be ready for bids March 1st.

**Manufacturing Building (ad.)**, Sixty-third street, north of Woodland avenue. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner's name withheld. Brick, stone foundations, 1 story, irregular size, size of building completed 114x112x160 feet, slag roof, hot water heating, gas lighting, cement and pine floors, hollow tile, metal lath, hollow metal sash and skylights, roof ventilators. Plans in progress. Will be ready for bids in about ten days.

**Hospital (alts.)**, Allegheny avenue and Cedar street, Philadelphia. Architect, private plans. Owners, Northeastern Hospital, on premises. Brick and concrete, carpentry. Owners taking bids (revised), due as soon as possible.

**sible**. John M. Yardley, 1716 Sansom street; Robert E. Lamb Co., 843 North Nineteenth street; F. B. Davis, 240 North Sixteenth street, are figuring.

**Department Store**, 925-27 Market street, Philadelphia, \$250,000. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, L. W. Hirsch Co., 923 Market street, Philadelphia. Extensive remodeling of building, 5 stories and basement, 40x200 feet, carpentry, cabinet work, steam heating, electric lighting, marble and terrazzo work, hollow metal sash, kalamein doors, metal bulks, fire towers, iron stairs, ornamental iron work, tile, hardwood and maple floors, metal lath, 3 elevators, safety treads, roof ventilators, waterproofing, dampproofing. Plans completed. Architect ready for bids.

**Dwelling (alts. and add.) to Store and Apartments**, Fifty-second and Spruce streets. Architect, E. Allen Wilson, 1208 Chestnut st., Philadelphia. Owner's name withheld. Brick, 2 stories, 18 feet 10 inchesx91 feet, slag roof, hardwood floors, hot water heating, electric lighting, tile work, hollow metal skylight, metal bulks, metal ceiling. Plans in progress. Will be ready for bids in a week.

**Marine Barracks (alt. and add.)**, Spec. 3514, Fort Mifflin, Pa. Architect, private plans. Owners, U. S. Government, care of C. W. Parks, Chief, Bureau of Yards and Docks, Navy Department, Washington, D. C. Brick porch, interior alterations, tin roof. Low bidder, John M. Yardley, 1716 Sansom street, \$9,193.

**Bath House**, 977-79 North Seventh street, Philadelphia. Architect, Reuben Beard, 2349 North Woodstock street, Philadelphia. Owner, Samuel Bershad, 975 North Seventh street. Brick, concrete, terra cotta and tile, 3 stories and basement, 32x82 feet, slag roof, concrete

and tile floors, metal walls and ceilings, fire tower, wire work, enameled brick (plumbing, heating and lighting reserved by owner). Plans about completed. Owner will be ready for bids in about ten days.

**Residences (31)**, Northeast Boulevard, Philadelphia. Architect, Reuben Beard, 2349 N. Woodstock street, Philadelphia. Owners, Eastern Development Co., care of architect. Brick, 2 stories, 16x60 feet, tapestry brick, slag and tin roof, stone foundations, hot water heating, electric lighting, tile work, hardwood floors, enclosed porches, glazing. Plans in progress. Architect will be ready for bids in about three weeks.

**Water Tower, Etc.**, Spec. 3682, Twenty-fourth and Gray's Ferry Road, Philadelphia. Engineer, private plans. Owners, U. S. Government, care of Bureau of Yards and Docks, Washington, D. C. Owners taking bids. Chas. Gilpin, Harrison Building; Thos. C. Trafford, 1613 Sansom street; John M. Yardley, 1713 Sansom street, and Monaghan & Losse, 3016 Chestnut street, Philadelphia, will figure.

**Emergency Hospital Building**, Spec. 3687, Twenty-fourth and Gray's Ferry Road, Philadelphia. Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Brick, various sizes. Owners taking bids. Melody & Keating, 1322 Race street; Irwin & Leighton, 126 North Twelfth street; Wm. R. Dougherty, 1610 Sansom street; Wark & Co., 1737 Filbert street, will figure.

**Store and Dwelling**, 704 South street, Philadelphia. Architect, Reuben Beard, 2349 N. Woodstock street, Philadelphia. Owner, J. Beifeld, on premises. Brick, 3 stories, 20x72 feet, slag roof, stone foundations, hot water heating, combination lighting, tile and marble work, flush bulk, metal ceiling. Architect will be ready for bids in two weeks.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Remodeling Garage into Stable**, Ninth and Cumberland streets, \$10,000. Architect, private plans. Owners, Breyer Ice Cream Co., Eighth and Cumberland streets, Philadelphia. Steel runway, carpentry, asphalt and cement floors, stalls (electric lighting reserved). Contract awarded to Wm. F. Koelle & Co., Twenty-sixth and Thompson streets.

**Store (int. alts.)**, 703 Girard avenue, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner's name withheld. Millwork, plastering, glazing, painting. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

**Loading Platform and Storage Space**, 339-41

Ludlow street, \$24,500. Architect, private plans. Owners, Supplee-Wills-Jones Co., Twenty-sixth and Jefferson streets, Philadelphia. Brick and concrete, 1 story, 52x100 feet, slag roof, cement floor, electric lighting. Contract awarded to George Kessler Cont. Co., Drexel Building, Philadelphia.

**Dwelling (alts.)**, 2231 North Thirty-third street, Philadelphia, \$900. Architect, private plans. Owner, M. Steinfeld, on premises. New bay window and interior alterations. Contract awarded to Louis Swerdloff, 228 South Fifty-ninth street.

**Warehouse (alts.)**, 1721 Ranstead street, Philadelphia, \$1,000. Architect, private plans.

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Owner, F. P. Mellon, 34 South Seventeenth street, Philadelphia. Interior alterations, new windows (2), plastering, maple flooring. Contract awarded to George C. Dougherty, 1725 Ludlow street, Philadelphia.

**Store (alts.)**, 1308 Chestnut street, Philadelphia, \$50,000. Architect, David B. Bassett, 420 Perry Building, Philadelphia. Owner, Geo. Miller, care of F. A. North Co., 1306 Chestnut street. Lessees, A. H. Geuting & Co., 1230 Market street, Philadelphia. Concrete, brick, steel, fireproofing, 4 stories, slag roof, 18½x104 feet, cement and wood floors, hollow tile, metal lath, tile and marble work, concrete foundations, electric lighting, dampproofing, galvanized iron skylights, steel doors, damp-proofing (elevators reserved), cabinet work, dumbwaiter. Contract awarded to F. L. Hoover & Son, 1023 Cherry street.

**Restaurant (alts.)**, 242-48 North Broad st., Philadelphia, \$3,800. Architect, private plans. Owners, Horn & Hardart Baking Co., 214 S.

Tenth street, Philadelphia. Elevator shaft, brick, interior alterations. Contract awarded to Harry R. Rust, 19 South Eighth street, Philadelphia.

**Storage Building**, 5327 Woodland avenue, Philadelphia, \$4,000. Architect, private plans. Owner, John Smith, on premises. Brick, 1 story, 32x60 feet, slag roof, cement floor, electric lighting. Contract awarded to J. D. Fisher, 5424 Thompson street.

**Storage Building (repairs)**, 333-35 North Fourth street, Philadelphia, \$2,500. Architect, private plans. Owner, L. Blumberg, on premises. General fire repairs. Contract awarded to Samuel Kayser, 1312 North Sixth street, Philadelphia.

**Storage Shed (add.)**, 114 North Front street, \$1,900. Architect, private plans. Owner, Geo. D. Wetherill, Inc., on premises. Brick, 1 story, 18x70 feet, slag roof. Contract awarded to H. H. Wehmeyer, Inc., 509 West Cumberland street.

**Bridge**, Laceyville, Wyoming County, Pa. Architect, private plans. Owners, State of Pennsylvania, care of George A. Shriener, Superintendent Public Grounds and Buildings, Capitol Building, Harrisburg, Pa. Reconstruction of piers. Owners taking bids, due January 14th.

**Bridge**, Penns Creek, Monroe Mill, Snyder County, Pa. Architect, private plans. Owners, State of Pennsylvania, care of George A. Shreiner, Superintendent of Public Grounds and Buildings, Capitol Building, Harrisburg, Pa. Concrete and steel. Owners taking bids, due January 14th.

**Residence**, Harrisburg, Pa., \$7,000. Architect, private plans. Owner, Frank Sausaman, Swan and Montour streets, Harrisburg, Pa. Brick, 3 stories. Plans in progress. Too early for details.

**Residence**, Union City, Pa., \$8,000. Architect, C. A. Keyworth, Capitol Building, Harrisburg, Pa. Owners, State of Pennsylvania, Department of Fisheries, State House, Harrisburg, Pa. Frame and stucco, 1½ stories, 44x30 feet, slate roof, hot water heating, yellow pine floors. Plans about completed. Owners will take bids in about two weeks.

**Double Residence**, Twenty-seventh and Derry streets, Harrisburg, Pa., \$6,000. Architect, private plans. Owner, W. J. Sohland, 36 N. Third street, Harrisburg, Pa. Frame and stucco, 2½ stories, 14x42 feet, slate roof, pine floors, hot air heating, electric lighting. Plans in progress.

**Service Station**, Carey avenue, Wilkes-Barre, Pa. Architect, private plans. Owners, Gulf Refining Co., care of John Milligan, Frick Building, Pittsburgh, Pa. Brick, 1 story and basement, 40x80 feet, slate roof. Owners will build.

**Service Station**, Scranton, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Maloney Manufacturing Co., 141 Meridian street, Scranton, Pa. Brick and terra cotta, 3 stories, 60x90 feet, concrete foundations, slag roof, steam heating, electric lighting, tile and marble work, rolled steel skylights, elevators, hardwood floors, wire work. Plans in progress. Will take bids in three weeks.

**Residence**, Zarker street, near Twentieth street, Harrisburg, Pa. Architect, private plans. Owner, D. F. Bauder, 21 South Eighth street, Harrisburg, Pa. Brick and stone,

### PENNSYLVANIA

### Construction News

**Farm Buildings (alts. and add.)**, Newtown Square, Pa. Architects, Duhring & Ziegler, Bailey Building, Philadelphia. Owner's name withheld. Stone. Too early for details. Preliminary plans in progress.

**Sanatorium (add.)**, Cresson, Pa. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, Commonwealth of Pennsylvania, care of B. Franklin Royer, M. D., Acting Commissioner of Health, 1900 Race street, Philadelphia. Stone and concrete, brick and terra cotta, 3 stories and basement. Buildings (2 ends), 46x25½ feet, asbestos shingle roof, cement, yellow pine and composition floors, metal lath, concrete foundations, slate work, hollow metal sash, kalamein doors (heating, lighting and plumbing reserved). Owners taking bids, due January 10th at noon. Edw. Fay & Son, 2 South Mole street; H. E. Baton, 1713 Sansom street, Philadelphia; M. H. McCloskey, Jr., 1620 Thompson street, Philadelphia; Mozier & Summers, Buffalo, N. Y.; Conners Bros. Co., New York City, and Beard Const.

Co., Reading, Pa., are figuring.

**Cottages (6) and Passages**, Sanatorium at Hamburg, Pa. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, Commonwealth of Pennsylvania, care of B. Franklin Royer, M. D., Acting Commissioner of Health, 1900 Race street, Philadelphia. Brick, reinforced concrete, terra cotta, A and D, 2 stories and basement, 179x25 feet, wing 35½x34 feet; E and F, 161x25 feet, wing 53½x34½ feet; B and C, 174x25 feet, wing 35½x34½ feet, asbestos shingle roof, concrete and canvass floors, metal lath, concrete foundations, slate work, hollow metal sash and skylights, safety treads. Owners taking bids, due January 10th at noon. H. E. Baton, 1713 Sansom street; Pomeroy Const. Co., 1608 Ranstead street; Edw. Fay & Son, 2 South Mole street, Philadelphia; Mozier & Summers, Buffalo, N. Y.; Conners Bros. Co., New York City; Beard Const. Co., Reading, Pa.; M. H. McCloskey, Jr., 1620 Thompson street, Philadelphia, additional bidders.

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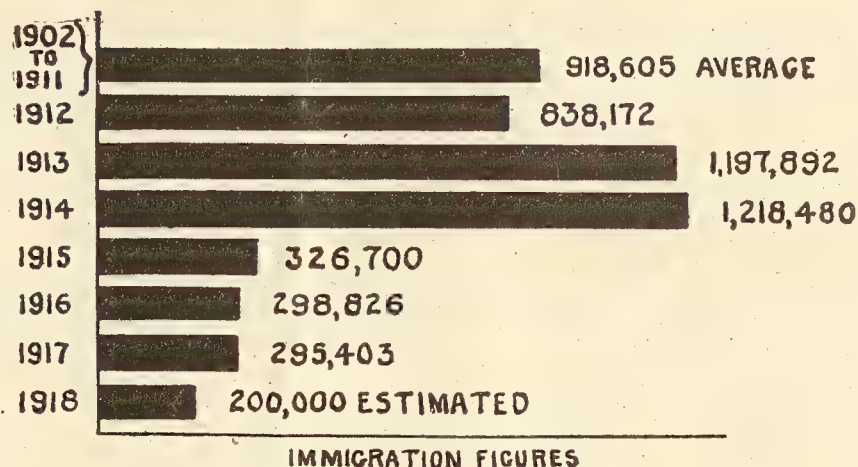
# No Standing Room For a Pessimist

The Priorities Division of the War Industries Board is to be congratulated upon its quick action in removing (effective on November 22) all restrictions affecting general business.

Are you now organized or are you preparing to organize the personnel of your enterprise so that you can secure your share of the volume of business that will be transacted in the United States during 1919?

There is no doubt that all of the labor available throughout the United States will be employed at good wages. This automatically stabilizes business.

The chart below speaks for itself and shows how materially immigration increased our labor supply from 1902 to 1914. It also brings out forcibly the yearly loss to our labor supply that we have had to contend with since 1914, and it is reasonable to suppose that no European country for some years will permit any large amount of emigration.



We still have some four million men in the service of the Army and Navy, for whom we must produce food and clothing. Unquestionably, it will be a long period of time before more than two and a half million of these men will be released to resume productive occupations.

The quantity of food and other supplies which we furnished the European countries prior to 1914 was small compared with what it is now our duty to provide.

A great big volume of business will be transacted throughout the United States during 1919 and the years to come. To take care of this we are confident that labor will quickly return to peace-time occupations and that there will be an extensive use of modern machinery in every line of endeavor.

## THE AUTOCAR COMPANY

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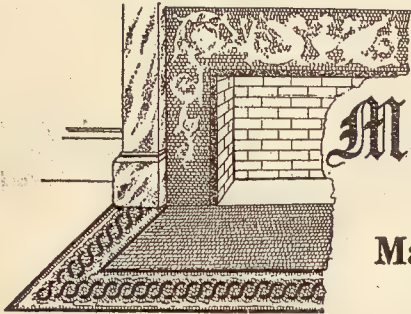
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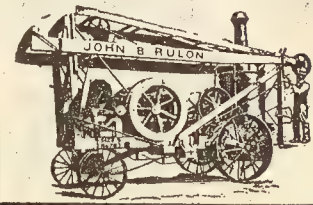
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2½ stories, 14x46 feet, slate and asbestos roof, pine floors, electric lighting, steam heating. Owner is taking sub-bids.

**Bridge**, over Tionesta Creek, Tionesta Township, Forest County, Pa. Architect, John Farris, Pittsburgh, Pa. Owners, Board of Commissioners of Public Grounds and Buildings, care of George A. Schreiner, Superintendent, Capitol Building, Harrisburg, Pa. Reinforced concrete, 3 span. Plans completed. Owners taking bids, due January 14th at 2 P. M.

**Home**, North Washington street, Wilkes-Barre, Pa., \$30,000. Architect, Clark Wright Evans, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Home for Aged, care of C. M. Loveland, Miners' Bank Building, Wilkes-Barre, Pa. Brick, 8 stories and basement, 80x54 feet, slag roof, stone foundations, electric lighting, pine floors. Plans about completed. Owners will take bids in March.

**Comfort Station**, Pittston, Pa., \$20,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, City of Pittston, City Hall, Pittston, Pa. Plans in progress. Too early for details.

**School (alts. and add.)**, Olyphant, Pa., \$10,000. Architect, Ed. H. Davis, Union National Bank Building, Scranton, Pa. Owners, Olyphant School District, P. J. McGinty, President, Scranton, Pa. Brick and stone. Plans in progress.

**Church**, Pocono Lake, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Rev. Fr. Bowland, Pocono, Pa. Frame, 1 story and basement, 36x80 feet, shingle roof, stone foundations, hardwood floors, electric lighting. Plans in progress.

**Brewery (alts.) to Silk Mill**, Elder street, Scranton, Pa. Architect, F. L. Brown, 130 Washington street, Scranton, Pa. Owners, Penn Central Brewing Co., Seventh avenue, Scranton, Pa. Low pressure gravity system of heating, tearing down walls (int.), pine and maple floors, steel sash. Owners are taking bids.

**Store House (add.)**, Glenn and Wevler sts., Scranton, Pa. Architect, private plans. Owners, Scranton Lace Co., Paul Belin, on premises. Brick. Contemplated.

**Post Office**, Franklin, Pa. Architect, Jas. A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, care of Supervising Architect, Washington, D. C. Brick, reinforced concrete, granite and terracotta, 1 story and basement, 67x54 feet 9 inches and two wings 40x52 feet, composition roof, concrete foundations, steam heating, electric lighting, tile, marble and terrazzo

work. metal lath, safety treads, metal weatherstrip, rolling steel doors, dampproofing, ornamental iron work. Owners taking bids, due January 17th. H. H. Wehmeyer, 509 West Cumberland street, additional bidder.

**Residence and Garage**, Bywood, Pa. Architect, Reuben Beard, 2349 North Woodstock street, Philadelphia. Owner, H. Grover, care of architect. Stone, 2½ stories, 30x60 feet, and 1 story, 16x20 feet, asbestos shingle roof, hardwood and cement floor, hot water heating, electric lighting, tile work, stone foundations. Preliminary plans in progress.

**Orphanage**, Hazleton, Pa., \$200,000. Architect, R. A. Schuman, 932 Lamberton street, Trenton, N. J. Owner's name withheld. Stone and brick, 5 stories, 150x60 feet, School (8 class rooms), Auditorium, Recreation Hall, Dormitory, Sisters' Quarters, concrete foundations, steam heating, electric lighting, tile roof, hollow tile, tile and terrazzo work, roof

ventilators, metal window guards. Plans in progress.

**Mill Building**, Clifton Heights, Delaware County, Pa. Architect, H. M. Hokanson, Presser Building, Philadelphia. Owners, Clifton Yarn Mills, Clifton Heights, Pa. Brick, 3 stories, 131x64 feet, slag roof, cement and maple floors, rolled steel sash (heating, sprinkling system, tank, elevator, electric wiring and fixtures reserved), stone foundations, wire screens. Contract awarded to Barclay White & Co., 1713 Sansom street.

**Water Supply, Pump House and Ash Pits**, Bethlehem, Pa. Engineer, Samuel T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading R. R. Co., Reading Terminal, Philadelphia. Concrete pump house, 14x21½ feet. Contract awarded to Roydhouse-Arey Co., 112 North Broad street.

**Crane Runway**, Bethlehem, Pa. Engineer, Samuel T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading R. R. Co., Reading Terminal, Philadelphia. Contract awarded to Keystone Structural Co., Harrison Building, Philadelphia.

## NEW JERSEY Construction News

**Naval Station**, Spec. 3686, Cape May, N. J. Architect, private plans. Owners, U. S. Government, care of Commandant of Naval District, 12th and Chestnut sts., Phila. Frame and concrete, 1 story. Photo Laboratory, 50x25 feet; Machine Shop, 50x100 feet; Storehouse, 35x100 feet; Armory and Workshop, 30x60 feet; Seaplane Hangar, 110x160x32 feet, new and Remodeled Hangar, concrete platform, concrete foundations, steam heating, electric lighting, roof ventilators, gasoline storage system, built-up and slate surfaced asphalt shingle roof. Lowest bid submitted by Post & McCord, 101 Park avenue, New York City, \$128,200, 185 days.

**Residences (5)**, West State street, Trenton, N. J. Architects, Fowler & Seaman, Trenton, N. J. Owner's name withheld. Brick, 3 stories, 16x50 feet, slate roof, hardwood floors, hot water heating, electric lighting. Plans in progress.

**Garage and Warehouse**, Stockton street, Trenton, N. J. Architect, Wm. Kleeman, First National Bank Building, Trenton, N. J. Owners, Trenton Times, on premises. Brick and steel, 1 story, 50x40 feet, slag roof, concrete floors, electric lighting. Plans in progress. Will be ready for bids in about ten days.

**Store (alts.)**, 26 South Broad street, Tren-

ton, N. J., \$4,000. Architect, private plans. Owners, F. W. Woolworth Co., New York City. General alterations. Owners will build.

**Passenger and Freight Stations**, Belle Meade, N. J. Architect, Samuel T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Philadelphia and Reading R. R. Co., Reading Terminal, Philadelphia. Stone, brick, concrete and steel, 1½ stories, 20x150 feet, 2 cement and screening platform, 400 feet long, wing 12x18 feet, freight house, 1½ stories, 30x30 feet, slate and asbestos roof, concrete foundations, cement and yellow pine floors, tile and slate work, metal lath, metal window guards, iron work, hot air heating (track work, grading, outside stairways, macadam drives, screenings, scale, lighting reserved). Contract awarded to Charles C. Pace, Merion, Pa.

**Bridge**, Trenton, N. J. Architect, William Kleeman, First National Bank Building, Trenton, N. J. Owners, Sacred Heart R. C. Church, care of Rev. Fr. Hart, Trenton, N. J. Frame and ornamental iron railing. Contract awarded to Ed. W. La Rue, Trenton, N. J.

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## Miscellaneous Construction News

**Club (alts. and add.),** Wilmington, Del., \$30,000. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owners, Wilmington Country Club, Wilmington, Del. Frame, 2 stories, 36x60 feet, shingle roof, hardwood floors, vapor heating, electric lighting, tile and marble work, Ball Room, Locker Room, Dining Room, general interior alterations. Plans in progress. Ready for bids in ten days.

**Post Office,** Salem, Va. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, care of Supervising Architect, Washington, D. C. Brick and stone, 1 story, 50x60 feet, composition roof, steam heating, electric lighting, tile, marble and terrazzo work, metal lath, damp-proofing. Owners taking bids, due January 22nd. H. H. Wehmeyer, 509 West Cumberland street, Philadelphia, is figuring.

**Hygiene Laboratory,** Washington, D. C. Architect, Jas. A. Wetmore, Treasury Department,

Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Brick, steel and concrete, terra cotta, 206x39 feet, two wings, 37x27 feet and 28x39 feet, ready, slate and composition roof, concrete and tile floors, metal lath, marble and terrazzo work, damp-proofing (steam heating, electric lighting and plumbing reserved). Owners taking bids, due January 14th at 3 P. M. Wark & Co., 1737 Filbert street, Philadelphia, are figuring.

**Water Supply System,** Monroe, N. C. Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Washington, D. C. Water Tower, Well, Pump House, concrete and brick, 14x14 feet, 30,000 gallons elev. tank, cast iron piping, drains, sewer system, septic tank. Lowest bidder, Joseph L. Sweigard & Co., Lincoln Building. Item No. 1, \$32,240, 150 days; Item No. 2, \$8,140, 180 days.

feet.

**Storage Space and Loading Platform,** 3339-41 Ludlow street, \$24,500. Supplee-Wills-Jones Co. (O), Twenty-sixth and Jefferson streets. George Kessler Cont. Co. (C), Drexel Building. Brick and concrete, 1 story, 52x100 feet, slag roof.

**Garage,** southwest corner of Tenth and Clearfield streets, \$500. August Schambacker (O), 4602 North Twelfth street. G. J. Reich (C), 1124 Loudon street. Brick, 1 story, 11x15½ feet, slag roof.

**Gravity Ride,** south side of Ford Road, east of Monument avenue, \$30,000. L. A. Thompson Scenic Railway Co. (O and C), 220 West Forty-second street, New York City. Frame and timber, 36,000 square feet area.

## Alterations and Additions

**Business Building,** 1205-07-09 Market street, \$375. McGrory Bros. (O), on premises. Edw. V. Holland (C), 1037 South Fifty-fourth street.

**Dwelling,** 1018 Spruce street, \$2,490. Estate of Mary W. Carstairs (O), 254 South Third street. The Makin Heating Co. (C), 1827 Filbert street. Hot air heating apparatus.

**Apartment Hotel,** northeast corner of Nineteenth and Walnut streets, \$3,000. Rittenhouse Realty Co. (O), on premises. Geurber Eng. Co. (C), Philadelphia. Outside metal stack.

**Storage,** 333-35 North Fourth street, \$2,500. L. Blumberg (O), on premises. Samuel Kayser (C), 1312 North Sixth street. Repair fire damage.

**Dwelling,** 1703 Spruce street, \$400. Dr. A. Billings (O), on premises. J. Morris Daniels (C), 252 South Juniper street. Interior alterations.

**Storage Shed,** 114 North Front street, \$1,900. George D. Wetherill, Inc., on premises. H. H. Wehmeyer (C), 509 West Cumberland street. Brick, 1 story, 18x70 feet, slag roof.

**Boiler Foundations,** northwest corner of Randolph and Jefferson streets, \$4,000. Roxford Knitting Co. (O), on premises. Albert Doak (C), 2138 Arch street.

**Dwelling,** 2216 North Third street, \$600. Integrity Guarantee and Title Co. (O), Fourth and Green streets. Otto Malz & Son (C), 2108 North Lawrence street.

**Dwelling and Store,** 1541 South Seventh street, \$400. Isaac Brownstein (O), 2633 N. Marshall street. Brick, 1 story, 12x14 feet.

**Store,** 1118 South street, \$400. M. Levin

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

### Philadelphia

**Machine Shop,** Greenwich Point, Philadelphia, \$30,000. Pennsylvania R. R. Co. (O), Broad Street Station. Irwin & Leighton (C), 126 South Twelfth street. Brick, 1 story, 69x81½ feet.

**Men's Building,** Greenwich Point, Philadelphia, \$2,150. Pennsylvania R. R. Co. (O), Broad Street Station. Irwin & Leighton (C), 126 North Twelfth street. Brick, 1 story, 12 feet 2 inchesx31 feet 8 inches.

**Insection Building,** Greenwich Point, Philadelphia, \$2,400. Pennsylvania R. R. Co. (O), Broad Street Station. Irwin & Leighton (C), 126 North Twelfth street. Brick, 1 story, 12x51 feet.

**Office,** Greenwich Point, Philadelphia, \$12,000. Pennsylvania R. R. Co. (O), Broad Street Station. Irwin & Leighton (C), 126 N. Twelfth street. Brick, 1 story, 40x80 feet.

**Oilhouse,** Greenwich Point, Philadelphia, \$4,000. Pennsylvania R. R. Co. (O), Broad Street Station. Irwin & Leighton (C), 126 N.

Twelfth street. Brick, 1 story, 22x32 feet.

**Freight House,** Greenwich Point, Philadelphia, \$72,000. Pennsylvania R. R. Co. (O), Broad Street Station. Irwin & Leighton (C), 126 North Twelfth street. Brick, 1 story, 204½-104x120 feet.

**Storehouse and Dormitory,** Greenwich Point, Philadelphia, \$15,000. Pennsylvania R. R. Co. (O), Broad Street Station. Irwin & Leighton (C), 126 North Twelfth street. Brick, 2 stories, 40x49½ feet.

**Steel Tank** (200,000 gallons), east side of Milnor street, north of Bleigh street, \$5,000. Tacony Ordnance Co. (O), on premises. Philadelphia Boiler Works (C), 1737 Filbert street.

**Garage,** 1003 North Sixty-fourth street, \$900. R. D. Wagner (O), 1003 North Sixty-fourth street. George Adams (C), 5917 Chester avenue. Stone, 1 story, 17x20 feet.

**Garage,** 1618 Columbia avenue, \$475. H. Brown (O), on premises. E. H. Sturts (C), 1233 Wyoming avenue. Brick, 1 story, 8x16

Washed Bar Sand and Gravel will take less cement on concrete work. We know how.  
**DAVID FRANCE CO.,** Tasker Street Wharf, Delaware River, Philadelphia,



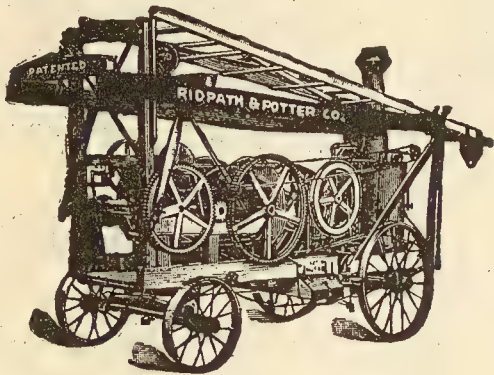
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**RIDPATH & POTTER CO**

487 Bourse Building  
Philadelphia, Penna.

(O), 1224 South street. L. Swerdloff (C), 228 South Fifty-ninth street. Flush bulk and alterations.

Garage, 1244 North Hutchinson street, \$1,150. T. L. Wilson (O), Fifteenth and Chestnut streets, care of Jacob Reed. Edw. Cunningham (C), 2214 Chestnut street. Repair fire damage.

Store and Dwelling, 248 South Fifty-second street, \$560. Kaplan Ettinger (O), southwest corner of Fifty-second and Locust streets. Schechtman Bros. (C), 1734 North Seventh street. Interior alterations.

Restaurant, 242-48 North Broad street, \$3,800. Horn & Hardart Baking Co. (O), 214 S. Tenth street. Harry R. Rust (C), 19 South Eighth street. Interior alterations.

Dwelling, 1419 Spruce street, \$1,500. Dr. Anna Gardner Young (O), on premises. E. J. Kreitzburg (C), 1345 Arch street. Interior alterations.

Garage, northwest corner of Broad and Cherry streets, \$2,000. F. Beaumont (O), on premises. Wm. Meyers & Co. (C), 216 Quarry street. Brick, 1 story, 18x30 feet.

#### INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., December 24, 1918.—Sealed Proposals will be opened in this office at 3 P. M. January 14, 1919, for furnishing the labor required in the construction complete, with materials that will be furnished by the Government, of the South Building for the Hygienic Laboratory at Washington, D. C. Drawings and specifications may be obtained at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

## HOUSING AFTER THE WAR

By LAWRENCE VEILLER, *Secretary of the National Housing Association.*

**A**LL of the housing problems that we had with us before the war began, we have with us now, that the war is over. The problem of the city slum still faces us. Perhaps, when we contemplate the significant facts of physical unfitness of the youth of the country disclosed through the war, when we reflect upon the fact that from 66 to 70 per cent. of our youth of draft age, 21 years to 31 years, were found ineligible for military service because of physical defects, the country as a whole may come to the conclusion that we have paid dear for our slums.

No matter what else it does, the country must set itself resolutely to make the slum a thing of the past.

We may even have a new national slogan in "Slumless America." To achieve this, however, means that the abolition

of the slum must become a national issue politically. Housing has been a political issue in Europe for nearly a generation; there is no reason why political battles shouldn't be fought here on similar questions. They are fraught with more consequence to the nation than the tariff, the liquor question or bimetallism. When this happens, however, we shall need to have a national housing program as well as a national housing policy.

The vault, that sink of iniquity and relic of barbarism, which still exists today by the hundreds of thousands throughout the large and small cities of the country must be banished forever. The dark room, breeder of tuberculosis and other infections, must be outlawed, not merely in the tenement, but in the cottage as well.

Congestion, that evil of great cities, which as yet has only begun to show itself here and there throughout the land, must be headed off. Room overcrowding and its attendant peril, the lodger evil, must be resolutely dealt with. Before the war, it was a menace to our national welfare. The war has intensified the evil. Unless dealt with effectively, it will ultimately threaten our national existence.

Acceptance of these statements implies that which will not be so readily agreed to; the enactment of a National Housing Law. To those who know with what difficulty housing laws have been secured in a few States and cities, after what laborious uphill battles against adverse interests, this will indeed sound like the millennium. But if the slum is to go—if indeed merely future slums are to be prevented from developing, this is essential.

And what of the slums that are already here? Will these be wiped out? I venture to think so. We have tolerated them too long already. While we have been reluctant hitherto to follow the example of Europe and especially of Great Britain in embarking on vast reconstruction schemes, that is one of the things the war will have taught us. We are beginning to realize even now that it is less costly in the long run for the State to spend vast sums in wiping out insanitary areas than in paying for them directly in poverty, disease and crime.

All these are problems we had with us before the war.

We face to a large extent the same problems that England faces. To some extent, but only slightly, what France faces; for, neither we nor England have been invaded. We have no devastated areas to reconstruct, no vast populations to rehouse.

All three countries, however, have to deal with the problem of meeting a vast shortage of houses. The building of houses in all three countries has practically ceased since the war began.

England, according to conservative estimates made recently, needs a *million new houses*. And during the next ten years, it is estimated, will need two million houses. Up to the time of the war the speculative builder had provided most of England's new housing. For

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FRANCE CO., Tasket Street Wharf, Delaware River, Philadelphia.**



ten years before the war, however, there had been a very serious falling off in production.

In the forty largest cities in England and Wales, for example, the production of new houses decreased from 32,000 a year in 1904 to 12,000 a year in 1914. At the same time the average yearly increase in population in those cities from 1901 to 1911 was 96,896; and from 1911 to 1914, the three years before the war, was 129,028, while the average number of new houses built per year in that time was less than 14,000.

A variety of reasons have been assigned to account for this situation; the high cost of building materials, the inability of the workers to pay an economic rent, and especially the Finance Act of 1909, which many observers believe put a serious check on private enterprise.

The war with its prohibition of building, except for the most urgent needs, put the finishing touch to the situation.

Where are the one million houses that England needs today to come from—or the two million that it is estimated she will need in the next ten years?

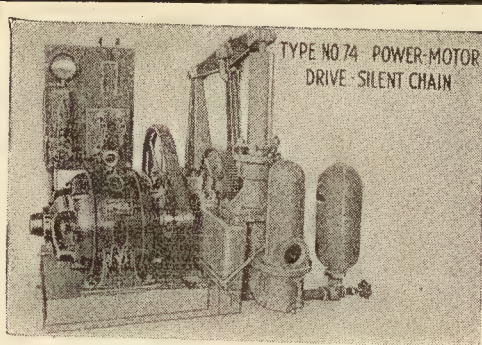
Can the speculative builder who failed to meet England's needs ten years before the war be relied upon to meet her needs today? It seems hardly likely. Every thing is against it. The rate of interest on sound investments in England has risen from  $3\frac{1}{2}$  to  $5\frac{1}{2}$  per cent.; the cost of building materials has gone up from 30 to 50 per cent. since the war.

This situation has given great concern to thoughtful observers in England.

Ewart G. Culpin, Secretary of the Garden Cities and Town Planning Association of England, as long ago as October, 1916, said in reference to an "After-the-War Housing Policy":

"It seems to be agreed that the housing of the future will not be undertaken by private individuals unless there are very drastic alterations in legislation both as to taxation and financial assistance, and it has been taken for granted that the only alternative to this is housing by local authorities. . . . It is not everybody who is agreed upon the desirability of municipal housing, and, whatever may be our opinions, we have to face this fact and to realize that municipal housing has been on many occasions—and probably will be on many more occasions—the subject of the rough and tumble of municipal elections."

Even the operative builders themselves realize that private enterprise unaided is unequal to the situation. In the Report of the National Conference on Housing After the War, already referred to, they say:



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"The concern of this conference is to enable housing accommodations to be provided after the war. As the great volume of private capital ordinarily available cannot be relied upon until the confidence of investors has been restored, the State will have to come to the assistance of private enterprise and other agencies who will undertake this work."

In a striking presentation of the claims of the Garden City, published under the title "New Towns After the War," it is said:

"During the war the building of houses, except in a few munition areas, practically stopped, and overcrowding has reached an intolerable point. Everyone recognizes that the moment the war is over the building industry must be set energetically at work to make up the shortage. Everyone agrees also that in the organization and financing of these housing activities the State will be called upon to take a decisive part."

Thus, we have the testimony of three widely separate groups—the public utility societies, the operative builders and the advocate of Garden Cities—that the State must play an important part in whatever housing is done after the war.

England, fortunately, is alert to the situation, and in thorough British fashion has thrashed out, in anticipation of her hour of need, the questions that need to be considered, so that when the time for action comes she may be fully prepared. The British Labor Party in its Reconstruction Program had housing as one of its chief planks. It says:

"In order to prepare for the possibility of there being any unemployment, either in the course of demobilization or in the first years of peace, it is essential that the Government should make all necessary preparations for putting instantly in hand, directly or through the local authorities, such urgently needed public works as the rehousing of the population alike in rural districts, mining villages and town slums, to the extent possibly, of a million new cottages and an outlay of three hundred million sterling (about \$1,500,000,000)."

Thus, we find on all sides and in every quarter a recognition of the need and an agreement by the most diverse ele-

ments that upon the shoulders of the State the chief responsibility rests. Naturally, different views are held by different interests as to the methods by which the desired ends are to be achieved. The operative builders hold that it should be done through Government subvention to private enterprise; the public utility societies that it should be done through organizations such as theirs; another believe that it should be done by the local or municipal authorities; and others believe it should be done directly by the Government.

One of the most interesting proposals that has been put forth is that presented in the book "New Towns After the War," already referred to, published anonymously during the past winter and written evidently by some one thoroughly familiar with town-planning and the Garden City movement.

The writer advocates the establishment by the Government after the war of 100 new towns of the Garden City type. "Manufacturers interested in the efficiency of British industry, workingmen and women wanting better surroundings for their life and work, agriculturists seeking a reconstruction of the rural system, . . . all who have a regard for the bodily, social and esthetic health of the nation" are appealed to for support of this scheme.

It is a far-reaching proposal on a colossal scale, in direct opposition to many of the other schemes proposed. Of these, the writer says:

"The after-war housing schemes foreshadowed by the Local Government Board, and even the maximum programmes of the propagandist housing and town-planning societies, promise merely a speeding up of the present essentially unsound development. There is no thought of national design. If all the proposals are carried out we shall have many more Garden Suburbs placed on the fringe of great cities, and some subsidized cottage building in the villages, but no attempt to treat the industrial and psychological causes of urban overgrowth and rural decay. None of these schemes goes to the root of the matter. . . . They will perpetuate and even extend the fundamental evils of our

Our specialty is Portland Cement that will stick and pass the City Department. **DAVID FRANCE CO.,**  
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urban system and do nothing to arrest the decline of the small towns."

Even in England, where the Garden City idea is far better understood than it is in America, it is still imperfectly apprehended and the Garden City is often confused in the popular mind with the Garden Suburb and the Garden Village. As expressed in "New Towns After the War," it is essential "in order to protect the vital feature of limitation (of size), the town must be encircled by a belt of open land, wide enough to possess a distinctively rural character and to permit of farming on the scale proper to the district. And in order to keep other towns at arms' length, and to maintain direct contact between urban and rural life, this belt of land must be permanently reserved for agriculture." Limitation of size considered so essential is expressed by a maximum population of 50,000, which "with an average density of 25 persons to the acre, would require an urban area of about 2,000 acres."

This is the scheme as stated. Even in these days of vast projects it takes one's breath away. One hundred new towns, with a population of five million people to be built where to-day there is nothing but open country and at a cost of possibly twenty-five hundred million dollars, each town not only to be a complete entity in itself, self-contained and sustaining within its own confines, its own population, supplied with all public utilities, water, gas, sewers, light, streets, pavements, shops, factories, amusements—but, in addition each town to be a model of what every town ought to be—with its rural belt and its agricultural industries and population—and all of these towns to be so strategically located as to serve the needs of all of England.

The English plans are by no means limited to this far-reaching scheme. Thomas Mawson, England's distinguished town planner, over a year ago in his book, "An Imperial Obligation," suggested the establishment of numerous "Heroes' Villages," along Garden City lines, in which the vast army of wounded and disabled soldiers who have given their all for their country might find new occupations suited to their changed conditions under such surroundings as would tend to make for their welfare and happiness.

Of the returned disabled soldier he says:

"He shall not stand in the mean courts of a large town such as that into which he will inevitably drift if we do not will it otherwise; where life is drab and drear and even the light of the sun is obscured by clouds of smoke, so that green things and wild living things in which the heart

of every man who is a man delights, have taken themselves elsewhere."

Nor is the Government any less alert to its obligations or responsibilities than are these disinterested observers and students of England's life. England for some time has had its Ministry of Reconstruction. Under it, 87 commissions and committees have been planning for rebuilding after the war. These are the questions that England is considering.

What of America? Has she at last learned the lesson of her unpreparedness? Or, will she repeat in this field of industrial welfare, the same mistakes she made in the field of war?

Are the conditions that we face here at all similar to those England faces? All thoughtful men, I think, will admit that they are very much the same.

We face a similar housing shortage; we face a similar increase in the cost of building; we face, too, the inability of many workers to pay an economic rent. Here, as in England, private enterprise had broken down at the advent of the war. To-day it is at a standstill. The financing of industrial housing schemes without Government aid is equitably difficult here, if not indeed impossible.

We face, undoubtedly, the necessity of building on a vast scale.

We, too, need to provide adequately and appropriately for our returned disabled soldiers, no longer able to compete with their civilian brothers not so handicapped, though we hope we shall not have the half-million England is said to have. Perhaps we, too, may build "Heroes' Villages" for them, along Garden City lines.

The war has taught us many things already. It will teach us many more. In one thing it has taught thrift to the most wasteful nation in the world. It has taught us a new respect for food. It has given a new significance to rural life.

With greater control will come less waste, greater efficiency. The establishment of Industrial Zones has already taught us the folly of manufacturing goods on the western coast to be hauled all across the continent to be sold on the eastern coast.

We are beginning to learn in a host of ways the value of cities intelligently planned. Not only is the Garden City coming into its own with town planning, but rural planning as well is beginning to be considered.

The war has brought much with it that we never looked for. In the recent words of our great leader, Theodore Roosevelt: "When we have closed the giant war, we must then prepare for the giant tasks of peace."—*The Architectural Record*.

## The Page "Ad"

"I like the clean, outstanding appeal of the page ad," said an advertiser recently," but I'll be frank to say that I've never been able to convince myself that it can be made to pay."

"Have you ever tried out a whole page?" he was asked.

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We mentioned Wanamaker, who uses a page a day regularly, varying this program now and then by making it two pages.

Oh, yes, of course. But then Wanamaker's case was quite different.

We asked him to point out "how" and "why."

The truth of the matter is that the page ad is just as much more effective than the small ad as the big show window is more effective than the small show window.

To be sure, in the case both of the ad and the window a whole lot necessarily depends on just what you put into them and how you dress it up.

It wouldn't be good business to buy a page of space in order to work off a string of poor sales-talk.

But, assuming that the sales-talk is "right" and the article it is designed to sell an article that has real merit and utility, the page ad is actually the short cut to results.

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F. Weber & Co.....1125 Chestnut st., Phila.

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William Moore Co.....1506 Sansom st., Phila.

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Felton, Sibley & Co.....136 N. 4th st., Phila.

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Richardson and Boynton Co.1332 Arch st., Phila.

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1918

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## 126th Annual Statement

December 31, 1917

|                      |   |   |                 |
|----------------------|---|---|-----------------|
| Cash Capital         | - | - | \$ 4,000,000.00 |
| Reserve for Premiums | - | - | 10,630,740.40   |
| Reserve for Losses   | - | - | 4,419,000.00    |
| Reserve for Taxes    | - | - | 950,000.00      |
| Reserve for Sundries | - | - | 160,000.00      |
| Surplus              | - | - | 8,317,502.26    |

## TOTAL

\$28,477,242.66

|                                |   |   |                  |
|--------------------------------|---|---|------------------|
| Surplus to Policyholders       | - | - | \$ 12,317,502.26 |
| Losses Paid Since Organization | - | - | 192,518,273.33   |

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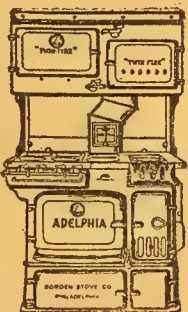
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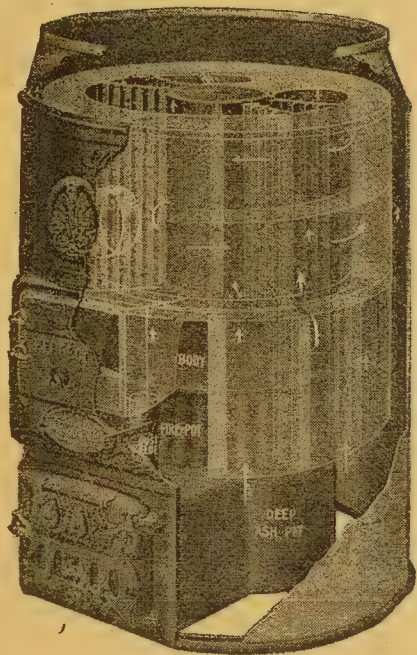
# Builders' Guide

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Vol. XXXIV., No. 3  
January 15, 1919

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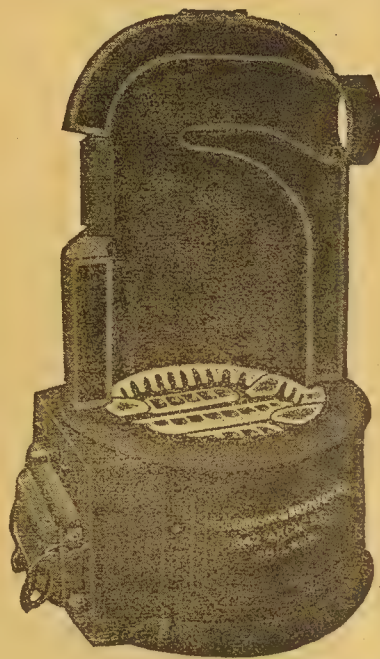
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Statement at Close of Business, December 31st, 1918

### RESOURCES

|                                                   |                 |
|---------------------------------------------------|-----------------|
| Loans and Discounts.....                          | \$49,923,797.26 |
| Liability Under Letters of Credit and Acceptances | 1,189,873.15    |
| Interest Earned Uncollected.....                  | 146,051.15      |
| Due from Banks.....                               | 13,041,279.40   |
| Cash and Reserve.....                             | 7,018,197.90    |
| Exchanges for Clearing House.....                 | 5,197,552.39    |

**\$76,516,751.25**

### LIABILITIES

|                                                  |                |
|--------------------------------------------------|----------------|
| Capital .....                                    | \$1,000,000.00 |
| Surplus .....                                    | 4,000,000.00   |
| Undivided Profits.....                           | 316,900.77     |
| Reserved for Taxes.....                          | 159,506.23     |
| Discount and Interest Unearned.....              | 177,866.22     |
| Letters of Credit and Acceptances.....           | 1,189,873.15   |
| Bills Payable and Rediscounts at Federal Reserve |                |
| Bank Secured by Government Bonds.....            | 8,303,760.00   |
| Deposits .....                                   | 61,368,844.88  |

**\$76,516,751.25**

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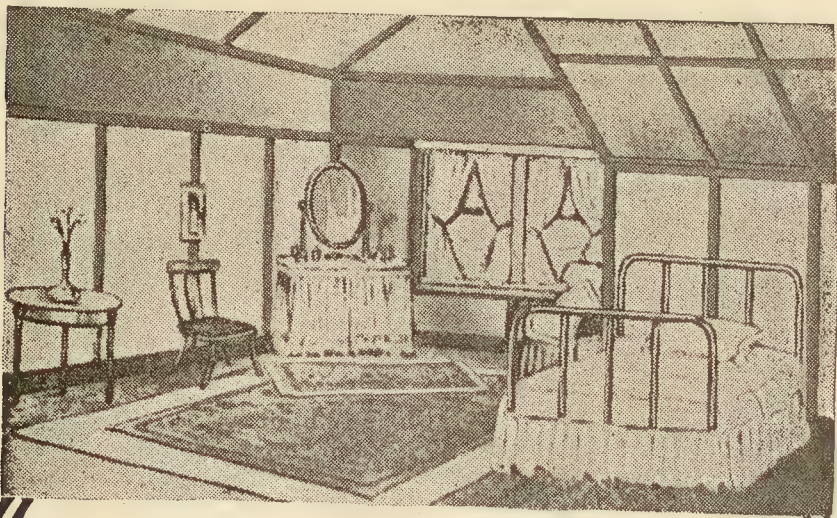
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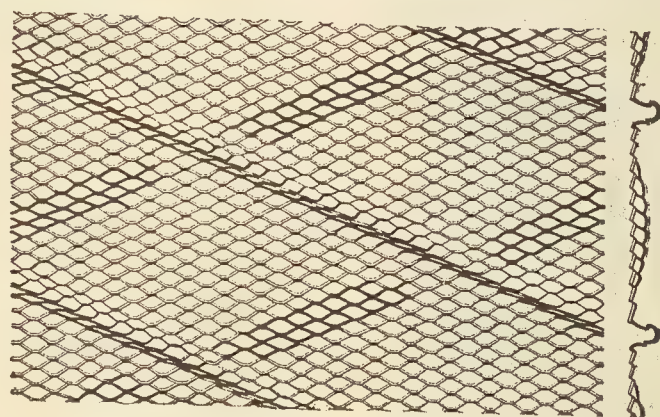
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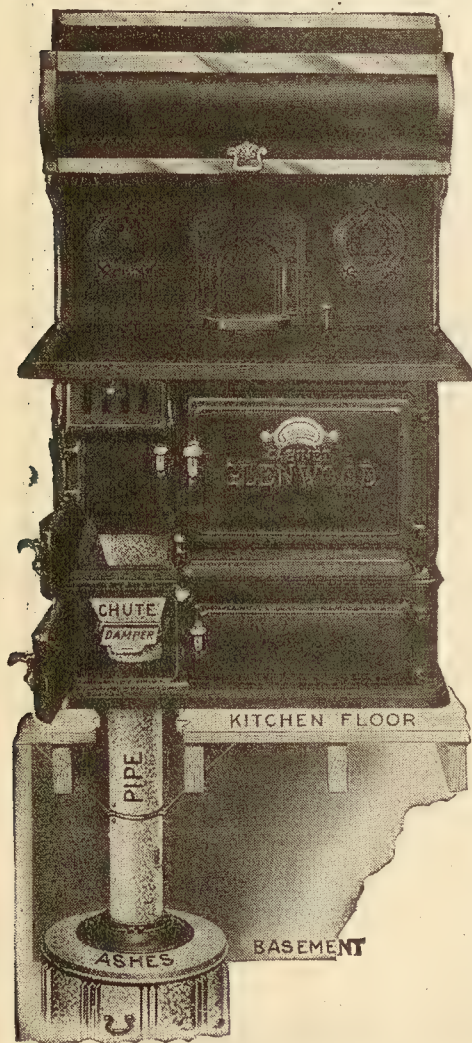
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the ashes directly into the ash barrel.

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to barrel is another entirely new  
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This is only one of the splendid im-  
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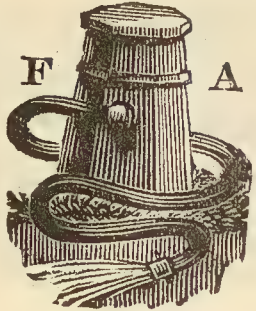
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**PHILADELPHIA**



# Fire Association

OF PHILADELPHIA



Organized Sept. 1, 1817  
Incorporated March 27, 1820

## PERPETUAL CHARTER

Capital, \$1,000,000.00  
Assets, \$11,296,848.00

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# The Bank of North America

(National Bank)

CHARTERED BY  
CONTINENTAL CONGRESS 1781

Philadelphia, December 31, 1918

## REPORT OF CONDITION RESOURCES

|                                    |                 |
|------------------------------------|-----------------|
| Loans and Discounts.....           | \$26,192,436.82 |
| Due from Banks and Bankers.....    | 4,820,267.00    |
| Clearing House Exchanges.....      | 2,058,794.10    |
| Cash and Reserve.....              | 2,599,541.96    |
| Treasurer of the U. S. ....        | 105,000.00      |
| Interest Earned Not Collected..... | 115,861.01      |
| Total.....                         | \$35,891,900.89 |

## LIABILITIES

|                                                     |                 |
|-----------------------------------------------------|-----------------|
| Capital .....                                       | \$1,000,000.00  |
| Surplus and Undivided Profits.....                  | 2,190,218.79    |
| Circulation .....                                   | 496,697.50      |
| Deposits .....                                      | 22,601,609.79   |
| Bills Rediscounted .....                            | 372,700.00      |
| Bills Rediscounted secured by Government Bonds..... | 4,778,235.00    |
| Reserve for Taxes and Interest.....                 | 35,548.06       |
| Bills Payable .....                                 | 650,000.00      |
| Bills Payable secured by Government Bonds.....      | 2,800,000.00    |
| Unearned Discount and Interest.....                 | 114,850.75      |
| Subscriptions to Fourth Liberty Loan.....           | 852,041.00      |
| Total.....                                          | \$35,891,900.89 |

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# UNION NATIONAL BANK

THIRD AND ARCH STREETS  
PHILADELPHIA

A Commercial Convenience in a Commercial Community

Statement December 31, 1918.

## RESOURCES

|                                                                             |                 |
|-----------------------------------------------------------------------------|-----------------|
| Loans and Investments.....                                                  | \$15,086,365.94 |
| Due from Banks.....                                                         | 2,652,462.25    |
| Exchanges for the Clearing House.....                                       | 742,430.39      |
| Customers' Liability on account of "Acceptances" executed by this Bank..... | 52,443.65       |
| Customers' Liability on account of Letters of Credit.....                   | 61,042.17       |
| Cash and Reserve.....                                                       | 1,759,663.60    |
|                                                                             | \$19,754,408.04 |

## LIABILITIES

|                                              |                 |
|----------------------------------------------|-----------------|
| Capital .....                                | \$500,000.00    |
| Surplus and Net Profits.....                 | \$590,889.67    |
| Unearned Discount .....                      | 35,911.08       |
| Amount reserved for Taxes.....               | 24,341.89       |
| Circulation .....                            | 468,997.50      |
| Letters of Credit unused.....                | 72,336.77       |
| Acceptances executed for Customers.....      | 41,149.03       |
| Bills Payable with Federal Reserve Bank..... | 1,035,000.00    |
| War Loan Deposit.....                        | 231,000.00      |
| Deposits Fourth Liberty Loan Bonds.....      | 2,920,010.00    |
| Deposits .....                               | 13,804,772.10   |
|                                              | \$19,754,408.04 |

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# Fourth Street National Bank

Philadelphia, December 31, 1918.

## RESOURCES

|                                                                   |                 |
|-------------------------------------------------------------------|-----------------|
| Loans and Discounts.....                                          | \$56,663,018.87 |
| Customers' Liability under Letters of Credit and Acceptances..... | 2,102,171.24    |
| Due from Banks.....                                               | 14,282,649.09   |
| Exchanges for Clearing House.....                                 | 2,782,170.90    |
| Cash and Reserve.....                                             | 6,918,203.09    |
|                                                                   | \$82,748,213.19 |

## LIABILITIES

|                                                               |                 |
|---------------------------------------------------------------|-----------------|
| Capital Stock .....                                           | \$3,000,000.00  |
| Surplus and Profits.....                                      | 7,477,246.09    |
| Reserved for Taxes.....                                       | 125,000.00      |
| Circulation .....                                             | 496,800.00      |
| Letters of Credit Issued to Customers and Acceptances..       | 2,108,628.59    |
| Deposits .....                                                | 64,540,538.51   |
| Due Federal Reserve Bank, Loan on Government Securities ..... | 5,000,000.00    |
|                                                               | \$82,748,213.19 |

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The New Pawnee Pipeless Heater costs little more than a good base-burner, and the operating expense is a great deal less. All cellar pipes are eliminated and only one register needed. Easily installed.

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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural Engineering and the Building Trades

VOLUME XXXIV  
Number 3

PHILADELPHIA  
January 15, 1919

## BUILDERS' GUIDE

OFFICES, PERRY BUILDING (Suite 824-825-826)  
Sixteenth and Chestnut Sts., Philadelphia, Pa.

PUBLISHED WEEKLY  
BY

Building News Publishing Company, Inc.

PERRY BUILDING, PHILADELPHIA

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## As The Editor Sees It



**N**INETEEN-EIGHTEEN has distinguished itself by outclassing all previous low records for construction work. When the total value of building permits for Philadelphia in 1917 reached the low water mark of \$33,961,120 an almost unbeatable record was established. Amazing, indeed, is the decrease of \$19,563,810 during the past year; the total value of building in 1918 is only \$15,452,670.

These figures, however, do not include the \$6,000,000 spent by the United States Government for the houses erected in the Thirty-ninth and Fortieth Wards, nor the millions of dollars spent by the Government for building erected at the Navy Yard arsenals and elsewhere in Philadelphia and vicinity. If the cost of the Government buildings were added to the figures issued by the Bureau of Building Inspection, 1918 would be the best instead of the worst in the last ten years.

Total operations of all kinds during 1918 were 5,950 compared with 8,977 in 1917. In the past year there were erected only 884 two-story dwellings, at an estimated cost of \$2,885,710 against 2,386 valued at \$6,328,020 in 1917. Three-story dwelling only 62, at a cost of \$403,000 compared with 297 valued at \$1,935,990 in the previous year.

A classified and tabulated statistical review of structural activities during 1918 is published on another page of this issue.

**D**ESPITE the discouraging report for 1918, the outlook is much more cheerful than that of a year ago. Then our minds were steeled and prepared for a possible three or four year conflict, with the necessary drastic building restrictions, and, loyally, we had made up our minds to accept the inevitable and stand by the Government.

Now we look forward to an era of big building; all restrictions are down and the Government wishes us God-speed and says "Go ahead."

"The announcement made at the monthly luncheon of the Philadelphia Operative Builders' Association that its members have pledged themselves to put on the market 10,000 new houses in Philadelphia before next summer, forecasts the greatest building boom in the residential sections of Philadelphia, says *Realty*, that the city has known for several years. Seven or eight years ago a yearly average of from 8,000 to 10,000 new houses in Philadelphia was the customary report of the Bureau of Building Inspection. Indeed, house building proceeded on such a scale at that time, particularly in West Philadelphia, that it was overdone. The market became glutted with houses, which, it was predicted, would require several years to absorb. Rows of dwellings in every section in consequence were taken over by the mortgages, who were for the most part trust companies, builders who had been active in developing large sections of the city became timid

about undertaking new operations and trust companies, while not actually refusing loans for new dwellings, surrounded their loans with conditions which made it virtually prohibitive for the builder unless he were willing to undertake the greater part of the risk himself.

"The building boom, in short, came to an end, and while there was nothing which could be described as a slump in prices, there were too many vacant houses and too many selling at figures so near their actual cost that many builders and some of the trust companies lost money. During the year or so preceding the outbreak of the European war, in July, 1914, and during the first two years of the war, these surplus houses were gradually absorbed. The normal requirement of the city was sure, in the course of a few years, to take care of this surplus. At the entrance of the United States into the war, in March, 1917, there were comparatively few of these surplus dwellings unsold or untenanted, and had it not been for the embargo placed almost immediately after by the Government on building material, and the withdrawal of much foreign labor hitherto employed largely in building work, the operative builders would have been ready to resume work, not, it is true, on the same scale as in the boom years, but on a steadily increasing yearly scale of production.

"At this crisis, while builders were debarred by the embargo on material from

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**CHARLES H. ROBBINS, JR.**  
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KEYSTONE PHONE, RACE 614

**BLUE  
PRINTS**



beginning work on any new houses, great industrial plants employing thousands of men from other cities in the making of munitions and in other war work, began to spring up around Philadelphia. The first demand from these thousands of workmen, which some have estimated at as high a figure as 150,000 in Philadelphia and nearby points, was for a place to live. A large proportion of them were married men with families, to whom dwellings were essential. The demand for houses began about July, 1917, and within about two months from that time there were virtually no vacant houses in any section of the city. The demand principally from the newcomers, was for houses to rent, as many of them came from sections of the country where home owning is not such a well-established habit as it is in Philadelphia. Vacant houses disappeared from brokers' lists so rapidly that within a few weeks after the rush began there were actually no vacant houses in Philadelphia, while the number of vacancies in the year or so preceding the war had been estimated by some brokers to be as high as 20,000.

"The scramble for houses, for in many sections it was little better than that, sent rents and prices mounting upward more rapidly than any real estate broker or property owner had ever expected to witness. Thousands of home owners, tempted by high prices, rented out vacant rooms, and a "doubling-up" process began all over the city which threatened to lead to great congestion. Thousands of houses were offered for sale and quickly taken up at prices greatly in advance of those their owners were willing to take a year or so previous.

There was some profiteering in dwellings, not so much, however, as has been generally believed. So great was the demand for houses that it was almost impossible to eliminate speculators from a market so active, and, as the price of almost all other necessities and commodities took a big jump after war was on, why, it was argued, should dwellings be exempted from the law of supply and demand that governed other businesses? The speculative movement died out, however, after a little while, and prospective buyers of dwellings slowly came to a realization of the fact that cheap houses or houses as cheap as they were in pre-war times had passed out of the market for several years at least.

"The intention of the operative builders to resume work next spring on a large scale follows immediately on the recent removal of the embargo on material, but it does not mean that houses will be much cheaper, though it is believed there will be some recession from present figures. Building material has been released, it is

true, the builders say, and that will enable them to supply the pressing need for more houses, but the cost of building material and of almost everything that enters into the finished dwelling is not expected to show any marked drop in price till the labor market has returned to normal standards, which will certainly not be till the armies in Europe and at camps have been disbanded and their members have returned to the trades of peace.

"The 10,000 new houses which the builders promise to complete will probably be distributed all over the city. West Philadelphia will, no doubt, get its share, but this section of the city, particularly south of Market street, has been so thoroughly built up in the last ten years that there is little vacant ground in South of Woodland avenue, in the Fortieth Ward, which is advancing rapidly in price. A large part of West Philadelphia's quota of new houses will probably be located in this section.

"New houses in South Philadelphia will probably be located close to the League Island boulevard, and in the western end of the Thirty-sixth and Forty-eighth Wards. There are several thousands acres of vacant ground south of Oregon avenue, but its development as a site for dwellings will be necessarily slow, as much of it is below grade, requiring a fill, in many places, of from ten to fifteen feet. One builder and operator in this section owns ground along Oregon avenue, the old Stocker tract, which he purchased several years ago, and which is big enough to accommodate 2,000 houses. In the northern section of the city the greatest house-building activity will undoubtedly be along the Northeast Boulevard, where there are thousands of acres waiting for development. It would not be surprising to see half of the new houses planned for Philadelphia built in this territory next spring, though much of the development here will depend on the prospects of an early completion of the Broad street subway."

\* \* \*

**W**HEREAS a few months ago patriotism and expediency put an end to practically all construction work except that for Government purposes, the resumption of both public and private construction is now urged as a mean of restoring normal conditions in the country. Secretary of Labor William B. Wilson has announced the inauguration of a nation-wide building campaign. Mr. Wilson gives six reasons for his support of the campaign. They are:

"1. Building is an industry which is not inflated, and which has not been put on an artificial basis by the war.

"2. Building employs all classes of labor, common labor, stone masons, brick

layers, carpenters, plumbers, steam-fitters, coppersmiths, and many other trades.

"3. Building enables most of the cost to get back into the wage workers' pockets. Therefore, it makes little difference to the worker who builds if the cost of building should be 20 per cent. less a few years hence; for then, through idleness, his income would be correspondingly cut down.

"4. Building creates permanent wealth, increases the taxable property of the community, and is a form of wealth subject to little depreciation.

"5. Building makes for good citizenship, and it is the only safeguard against Bolshevism. As some one has asked, 'Did you ever see the red flag of anarchy flying over a man's own hearthstone?'

"6. Building can be maintained and regulated. We know just how many are being built, as permits must be secured by all. We can allot building to communities as one would allot quotas in a Liberty Loan campaign. The construction industry stands out almost alone in its ability to be regulated and stimulated."

Mr. Wilson continues:

"Deferred construction is really a part of our war debt. It should be one of the first accounts to be paid unless the country is to remain in a state of arrested development. Inasmuch as the building industry is regarded by many as the means of facilitating the general industrial transition from a war to a peace basis, it should have the encouragement of all interests. For ultimately all industries must suffer and prosper alike. In fact, my interest in stimulating construction is only due to my interest in every trade and in every citizen.

"Public construction will be helpful in mitigating conditions. While parks, highways and other public improvements add to the general welfare of a community, it is not of itself a sufficiently comprehensive program to solve the readjustment problem.

"Therefore, it is evident that the private as well as public construction must be resumed before the country returns to normal conditions. Next to placing private funds in Governmental securities, it is desirable that they be invested in enduring wealth like construction. The accumulated earnings of the citizens of the country should not be diverted into forms of wealth easily consumed and without earning power. Permanent investments of wealth will stabilize the moral and financial condition of the country as a whole, as well as benefit the individual investor and his dependents.

"The main reason why civil construction is held up is because the public has

(Continued on Page 36.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Bank Building (alts.),** 410 South street, Philadelphia (South Phila. Branch). Architect, F. E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Peoples Bank Seventh and Girard avenue. Brick, alterations to first floor, carpentry, concrete vault, electric lighting, plumbing, composition stone, marble and tile work, cabinet work, glazing. Architect taking bids, due January 17th. Smith-Hardican Co., 1606 Cherry street; F. E. Wallace, 1220 Chancellor street; Wark & Co., 1737 Filbert street; B. Bornstein, 1512 N. Franklin street; S. Lashner, Fifth and Morris streets; Lam Building Co., 1001 Wood street, and F. B. Davis, 240 North Sixteenth street, are figuring.

**Factory,** Sixteenth and Hamilton streets, Philadelphia. Architect, Horace Wells Sellers, Stephen Girard Building, Philadelphia. Owners, Wm. Sellers Co., Sixteenth and Hamilton streets, Philadelphia. Reinforced concrete, brick and steel, 5 stories, 52x108 feet, slag roof and slate roof, hollow metal skylights, fire doors, safety treads, concrete foundations, electric lighting, steam heating, cement floors, rolled steel sash, metal lath, iron work (1) electric elevator, safety treads, rolling steel doors (plumbing, plumbing fixtures, slate partitions, heating, electric wiring and fixtures, elevator and water tank, reserved). Architect taking bids, due January 20th. J. S. Rogers Co., Drexel Building; F. A. Havens, 845 North Nineteenth street; Warren-Moore Co., Colonial Trust Building; Barclay White Co., 1713 Sansom street; John N. Gill & Co., Otis Building; Wark & Co., 1737 Filbert street; Turner Concrete Steel Co., 1713 Sansom street, and Cramp & Co., Denckla Building, H. E. Batton, 1713 Sansom street, are figuring.

**Water Cooling Tower** S. E. Cor. American and Norris streets. \$3,000. Architect, private plans. Owner, Swift & Co. Steel, 21 feet high. Owner will build.

**Elevated Stations (4),** Allegheny ave. and Somerset street, Philadelphia. Architect, Dept. of City Transit, 1211 Chestnut street, Philadelphia. Owner, City of Philadelphia, Dept. of City Transit, care of Wm. S. Twinning, Director, 1211 Chestnut street (Mershon Building), Philadelphia. Brick, stone and terra cotta, 1 story, with elevated platform, tile and slag roofs, cement floors, rolled steel sash and skylights, iron stairs, safety treads, wire work, ornamental iron work (electric work and plumbing, separate bids). Plans about completed. Owner will be ready for bids in about two weeks.

**Garage and Office Building (Temporary),** 1713-15 North Tenth street. Architect, private plans. Owner, John E. Sjostrom Co., 1719 North Tenth street, Philadelphia. Brick, 2 stories, 32x55 feet, slag roof, wood floors, metal lath, millwork, plastering (heating and lighting, reserved). Owner taking bids, due as soon as possible. E. C. Durrell, 1713 North Twenty-fourth street, additional bidder.

**Storage Shed,** S. W. Cor. Twentieth and

Erie avenue, Philadelphia. \$2,500. Architect, private plans. Owner, Winfield S. Barnes Co., on premises. Iron, 1 story, 101½ x41 feet. Owner will build.

**Garage,** 1321 North Marvine street, Philadelphia. Architect, J. Ethan Fieldstein, Penfield Building, Philadelphia. Owner, Frank Margolla, 1320 North Eleventh street, Philadelphia. Brick and concrete, 1 story and 2 stories, 79x20 feet, wing 61 x45 feet, slag roof, concrete floors, hollow metal skylights, millwork, yellow pine floors, steel beams. Owner will build.

**Water Tower, Pump and Tank House,** Spec. 3682, Twenty-fourth and Gray's Ferry Road, Philadelphia. Architect, private plans. Owners, U. S. Government, care of C. W. Parks, Chief, Bureau of Yards and Docks, Washington, D. C., or Commandant of Fourth Naval District, Twelfth and Chestnut streets, Philadelphia. Steel, concrete and brick, 1 story, 24x24 feet, 18½x13½ feet, 40,000 gallon capacity wooden tank, slate or ready roof, concrete floors, hollow tile, metal lath, electric

lighting, waterproofing. Owners taking bids, due February 3rd at 11 A. M. Lam Building Co., 1001 Wood street; Thomas C. Trafford, 1613 Sansom street; Monaghan & Losse, Inc., 3016 Chestnut street; W. O. Springer, 1624 Latimer street; Hogg Const. Co., 1634 Sansom street; John M. Yardley, 1716 Sansom street, and F. J. Boas, 201 North Broad street, are figuring.

**Store (int. alts.),** Eighth and Market streets, Philadelphia. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Lit Brothers, Eighth and Market streets, Philadelphia. Alterations to restaurant and basement, changing partitions, brick work, carpentry. Plans about completed.

**Residences (28),** vicinity of Overbrook, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner's name withheld. Stone, brick and stucco, 16x50 feet (garages in basement), 2 and 2½ stories, slag and slate roofs, oak floors, hot water heating, combination lighting, tile and marble work, gas ranges. Plans in progress.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Fire House, Police Station, Boiler House and Stable,** Twenty-fourth and Ritner streets, Philadelphia. \$304,245. Architect, Philip H. Johnson, 1713 Sansom street, Philadelphia. Owner, City of Philadelphia, Dept. of Public Safety, City Hall. Brick and concrete, limestone, granite and terra cotta, fireproof, 52½ x46 feet, 1 story, 96x108 feet, 46x52½ feet, wing 46x103 feet, stone foundations, slate roof, cork brick terrazzo, marble tile, granolithic and wood block and wood floors (electric lighting, steam heating and plumbing, reserved), marble and terrazzo work, metal lockers, iron stairs, ornamental iron work, metal lath, safety treads, metal window guards, metal weatherstrips, waterproofing, dampproofing, wire screens, wire work. Contract awarded to Frank G. Stewart, 1619 Sansom street, Philadelphia.

**Office and Storage (Alts.),** 313-15 North Third street, Philadelphia. \$5,000. Architect, private plan. Owners, Janney & Burroughs, on premises. Brick and concrete, 3 stories, 85x18 feet, slag roof, electric lighting, wood floors. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

**Open Shed,** N. W. Cor. Somerset and Tulip streets, Philadelphia. \$1,200. Architect, private plans. Owners, J. D. Grover & Sons, on premises. Steel, 1 story, 35x35 feet. Contract awarded to J. F. Welsh, 1723 West Girard avenue, Philadelphia.

**Shop (Add.),** N. W. Cor. Thirty-sixth and Grays Ferry Road. \$3,800. Architect, H. P. Friend, Arcade Building, Norristown, Pa. Owner, D. B. Martin Co., on premises. Brick, 1 story, 33x67 feet slag roof, cement floor. Contract awarded to H. P. Friend, Inc., Norristown, Pa.

**Store and Dwelling (Alts. and Add.),** 617 Poplar street. \$2,000. Architect, private plans. Owner, Jacob Guzenberg, 822 North Seventh street, Philadelphia. Brick, 3 stories, 13½x26 feet, general interior alterations. Contract awarded to Benj. Israel, 432 Poplar street, Philadelphia.

**Residence (Repairs),** 2101 Deancey street, Philadelphia. \$1,000. Architect, private plans. Owner, Robert Von Moschiszker, on premises. General repairs. Contract awarded to H. E. Grau Co., 1707 Sansom street.

**Office and Exhibition Building (Alts. and Add.),** 1318 Vine street. \$10,800. Architect, Paul J. Henon, Jr., Fuller Building, Philadelphia. Owner, Select Film Corp., 1335 Vine street, Philadelphia. Brick, cement work, fireproof, steam heating, electric lighting, tile and marble work tile and composition floors, ornamental iron work. Contract awarded to D. J. McNamee, 1621 North Fifteenth street, Philadelphia.

**Store (Alts.),** 920 Market street, Philadelphia. \$4,000. Architect, private plans. Owners, W. T. Grant & Co., on premises. New

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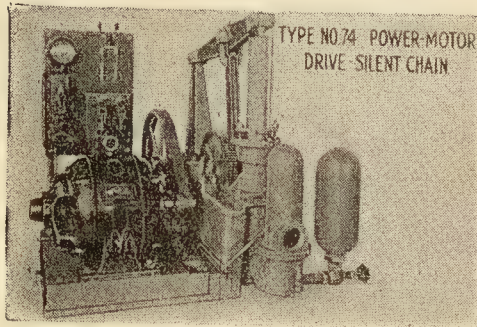
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floor and stairway. Contract awarded to John M. Yardley, 1716 Sansom street.

**Bank and Apartment Building**, northeast corner of Broad and Lombard streets, \$10,000. Architects, Lachman & Murphy, Drexel Building, Philadelphia. Owners, Brown & Stevens, 427 South Broad street, Philadelphia. General remodeling of interior, brick and marble front, electric lighting and fixtures, bank fixtures and cabinet work, vault and safe, marble and tile floors. Contract awarded to J. F. Trent, 2041 Master street, Philadelphia.

**Factory**, 21 South Seventh street, Philadelphia, \$2,185. Architect, private plans. Owners, Walls, Owens & Stambach Co., Eleventh and Hamilton streets. General restoration of fire damage. Contract awarded to A. H. Spensard, 822 Wood street, Philadelphia.

**Warehouse (alts.)**, N. E. Cor. Hancock and Pollock streets. \$2,000. Architect, private terms. Owners, American Store Co., Fourth and Noble streets, Philadelphia. New elevator, shaft, and foundations, brick, stone and concrete. Owners will build.

**Dwellings (2)**, 5234-36 Parkside avenue, \$1,600. Architect, private terms. Owner, Sophie Elgart, 1617 North Fifty-second street, Philadelphia. Interior alterations, enclosed porches. Owner will supervise construction.

**Coal and Ash Handling Plant**, Spec. 3576, Navy Yard, Philadelphia. Architects, private plans. Owner, U. S. Government, care of Supply Officer, Navy Yard, Philadelphia. Excavation, concrete work, miscellaneous iron work, mill work. Contract awarded to Wark & Co., 1737 Filbert street.

16x14 feet, green strip shingle slate surface roof, cement and wood floors, brick foundations, electric lighting. Owner has received bids.

**Cottages (6) and Passages**, Sanitarium at Hamburg, Pa. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, Commonwealth of Pennsylvania, care of B. Franklin Royer, M. D., Acting Commissioner of Health, 1900 Race street, Philadelphia. Brick, reinforced concrete, terra cotta, A and D, 2 stories and basement, 179x25 feet, 35½x34 feet, E and F, 161x25 feet; wing, 53½x34½; B and C, 174x25 feet, wing 35½x34½ feet, asbestos shingle roof, concrete and canvas floors, metal lath, concrete foundations, slate work, hollow metal sash and skylights, safety treads. Lowest bid submitted by Edw. Fay & Son, 2 South Mole street, Philadelphia, \$345,200.

**Sanitarium (Add.)**, Cresson, Pa. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, State of Pennsylvania, care of Dr. B. F. Royer, 1900 Race street, Philadelphia. Stone and concrete, brick and terra cotta, 3 stories and basement, building (2 ends) 46x25½ feet, asbestos shingle roof, cement, yellow pine and composition floors, metal lath, concrete foundations, slate work, hollow metal sash, kalamein doors (heating, lighting and plumbing, reserved). Only one bid received. No bid accepted.

**Residences (2)**, Allentown, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, name withheld. Brick, stone and frame, stone foundations, 20x50 feet, tile roof, maple floors, hot water heating, combination lighting, garage is basement. Plans in progress.

**Garage (alts.)**, Rydal, Pa. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owner, Eugene Fry, Commercial Trust Building, Philadelphia. Stone and timber. Plans in progress.

**Residence**, Sewickley, Pa. \$25,000. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, name withheld. Hollow tile, 2½ stories, 32x60 feet, tile roof, hardwood floors, stone foundations, vapor heating, electric lighting. Plans in progress.

**Residence (alt. and add.)**, Bethayres, Pa. Architects, McIlvain & Roberts, Otis Building, Philadelphia. Owner, name withheld. Stone, 1 story, kitchen wing 21x30 feet, shingle roof, vapor heating, electric lighting.

## PENNSYLVANIA Construction News

**Residences (15)**, Seventh and Hayes streets, Chester, Pa. \$3,000. Architect, private plans. Owner, F. J. More, 2818 West Eleventh street, Chester, Pa. Brick, 2 stories, 15x40 feet, slate roof, steam heating, electric lighting, hardwood floors. Owner will take bids about March.

**Residences (20)**, East Twentieth street, Chester, Pa. \$65,000. Architect, private plans. Owner, Arthur Machine Co., 410 East Twentieth street, Chester, Pa. Bricks, 2 stories, slate roof, steam heating, electric lighting. Owner will take general bids in April.

**Club House**, 511 Welsh street, Chester, Pa., \$175,000. Architect, C. Brazer, Crozer Building, Chester, Pa. Owner, Chester Club, care of F. Wallison, 12 East Fifth street, Chester, Pa. Brick, 2 stories and basement, 47x110 feet, slate roof, hardwood floors, steam heating, electric lighting. Preliminary plans in progress.

**Church**, near West Chester, Pa. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Father Munion, Chester Heights, Wilmington, Del. Stone, 30x50 feet, tile roof, tile floors, hot air heating, electric lighting. Plans in progress. Will take bids about last of February.

**Hospital**, Chester, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, Sun Shipbuilding Co., Chester, Pa. Brick and concrete, 2 stories and basement, 50½x33½ feet, slag roof, cement, maple and composition floors, concrete foundations, hot water heating, electric lighting, tile work, metal lath, roof ventilators. Owner taking bids, due as soon as possible. Barclay White & Co., 1713 Sansom street, and Price and Johnston, Chester, Pa., are figuring.

**Post Office**, State College, Pa. Architect, Jas. A. Wetmore, Treasury Dept., Washington, D. C. Owner, U. S. Government, Supervising Architect, Washington, D. C. Brick, steel and reinforced concrete, granite and limestone, 1 story, 56x80 feet, composition roof, concrete foundations, steam heating, electric lighting, marble and slate work, kalamein doors, iron stairs, cement and wood floors, hollow tile, metal lath, metal weatherstrips, waterproofing, dampproofing. Lowest bid submitted by Wills-Ludwick Co., 1716 Sansom street, Philadelphia, \$79,779.

**Signal Tower**, Fallsington, Pa. Architect, private plans. Owner Pennsylvania R. R. Co., T. J. Skillman, Division Engineer, Jersey City, N. J. Brick, steel and frame, 2 stories,

## SCALES AND VALVES

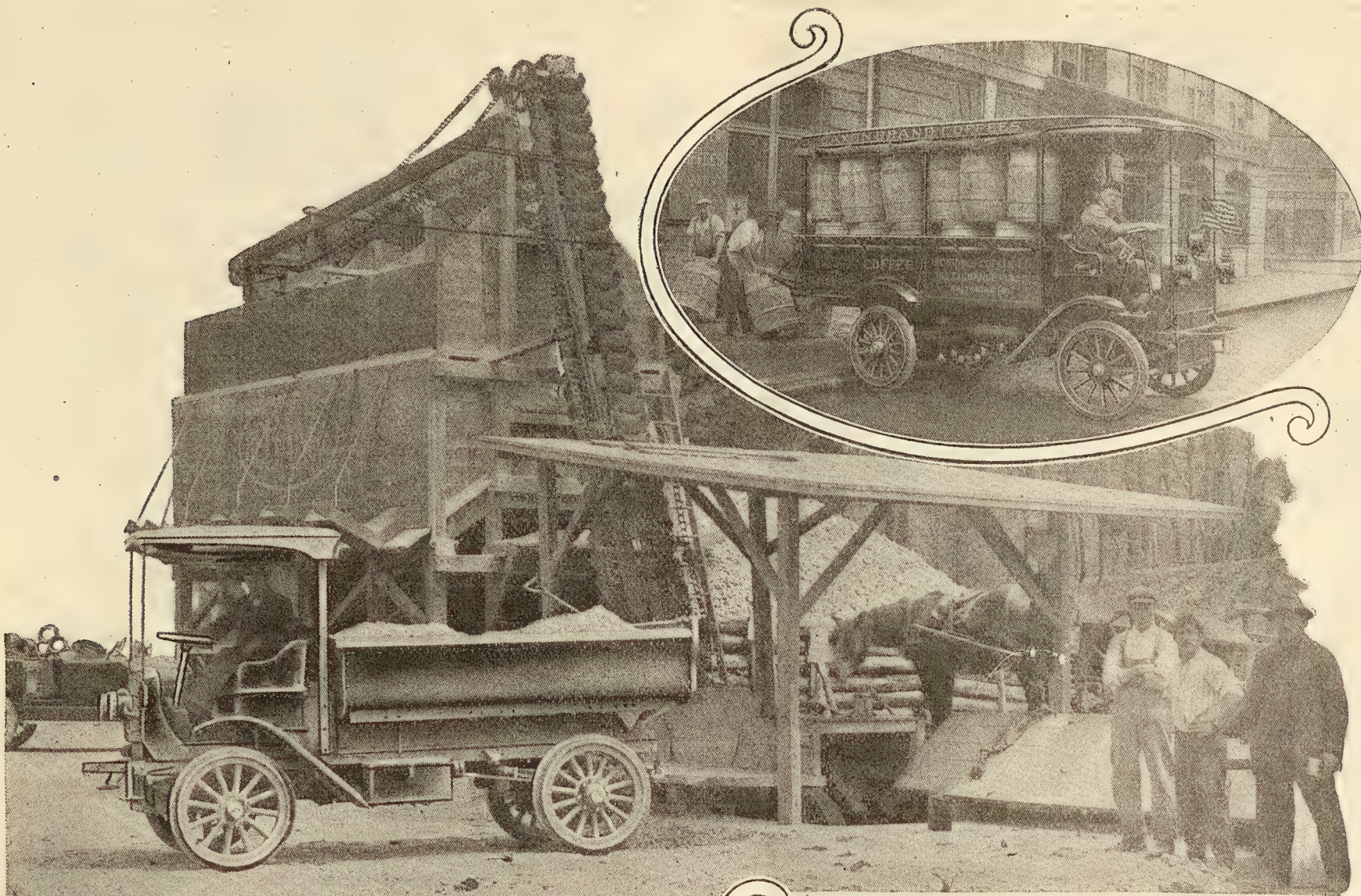
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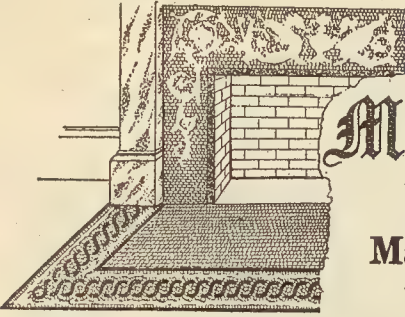
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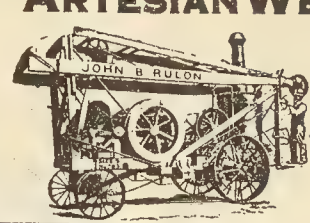
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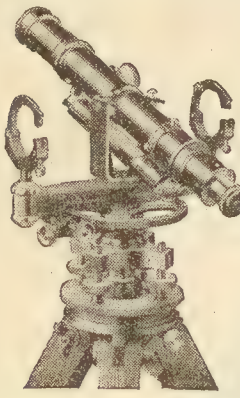




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Plans in progress. Architects will be ready for bids in two weeks.

**Residence, Brookline, Pa.** Architect, private plans. Owner, name withheld. Shingle, 2½ stories, 36x26 feet, shingle roof, oak floors, vacuum heating electric lighting, tile work. Contract awarded to E. Oscar Lobb, Llanerch, Pa.

**Residence, Llanerch, Pa.** Architect, private plans. Owner, name withheld. Stone, 2½ stories, 36x30 feet, oak floors, hot water heating, electric lighting, tile work, roof undecided. Contract awarded to E. Oscar Lobb, Llanerch, Pa.

**Office Building (alt. and add.), Chester, Pa.** Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owner, Bell Telephone Co. of Pennsylvania, Seventeenth and Arch streets, Philadelphia. Fireproofing, carpentry,

plastering, painting, glazing, kitchen equipment, cement and wood floors, electric lighting, marble work. Contract awarded to F. L. Hoover & Sons, 1023 Cherry street.

**Residence (alts. and add.), Elkins Park, Pa.** Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Harry B. Hirsh, 2215 Green street Philadelphia. Stone, interior alterations (electric lighting, heating and painting, reserved), tile and marble work, shingle roof, oak floors. Architects taking bids, due January 23rd. Lam Building Co., 1001 Wood street; Wm. R. Dougherty, 1610 Sansom street; Wm. J. Gruhler Co., 219 East High street; W. John Stevens, Inc., Wyncote, Pa.; Fred Elvidge & Sons, 5522 Germantown ave, and Specht & Sperry, Heed Building, are figuring.

Frame and concrete, 1 story, photo laboratory, 50x25 feet, machine shop, 50x100 feet, storehouse, 35x100 feet, armory and workshop, 30 x60 feet, seaplane hangar, 110x160x32 feet, new and remodeled hangar, concrete platform, concrete foundations, steam heating, electric lighting, roof ventilators, gasoline storage system, built-up and slate surfaced asphalt shingle roof. Contract awarded to Post & McCork, 101 Park avenue, New York City.

**Club House (add.), Absecon, N. J.** Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Seaview Golf Club, Absecon, N. J., care of Clarence Geist, Land Title Building, Philadelphia. Hollow tile, 3 stories, (50) additions rooms, extension to locker rooms, widening of porch, oak floors, steam heating, electric lighting, tile and marble work. Plans in progress.

**Mill Building (alts. and add.), Fourth and Jefferson streets, Camden, N. J.** Architect, private plans. Owners, Howland Croft Sons & Co., Broadway and Jefferson streets, Camden, N. J. Brick and concrete, 3 stories, 65x71 feet, slag roof, cement and yellow pine floors, rolled steel sash and skylights. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

## NEW JERSEY Construction News

**Post Office, Vineland, N. J.** Architect, Jas. A. Wetmore, Treasury Department, Washington, D. C. Owner, U. S. Government, care Supervising Architect, Washington, D. C. Brick, concrete, granite, limestone and terracotta, 1 story and basement, 69x56 feet 10 inches, composition roof, concrete and cement floors, steam heating, electric lighting, metal lath, marble, terrazzo and slate work, kalamein doors, metal weatherstrips, dampproofing. Lowest bid submitted by Rangeley Const. Co., 405 Lexington avenue, New York City, \$77,527.

**Garage, rear of Atlantic avenue, Atlantic City, N. J.** \$18,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, name withheld. Brick, 2 stories, 62½ x360 feet, slag roof, concrete floors, stone foundations, hot water heating, electric lighting, gasoline storage system. Plans in progress.

**Apartment House, Pacific and Providence avenues, Atlantic City, N. J.** Architect, S. G. Dobbins, 185 Virginia avenue, Atlantic City. \$20,000. Owner, Mrs. H. Vatter, Alexandria Apartment, Atlantic City, N. J. Brick, 5 stories, 40x85 feet, slate roof, steam heating, electric lighting, hardwood floors. Architect will take bids in March.

**Apartment House, Atlantic avenue, Atlantic City, N. J.** \$22,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, name withheld. Brick, 2 stories, 20x100 feet, slag roof; stone foundations, hot water heating electric lighting, pine floors. Plans in progress. Architect will take bids in about one week.

**Post Office, Woodbury, N. J.** Architect, Jas. A. Wetmore, Treasury Department, Washington, D. C. Owner, U. S. Government, care of Supervising Architect, Treasury Department, Washington, D. C. Brick and concrete, 2 stories, 59x64 feet, slag roof, concrete foundations, steam heating, electric lighting, tile, marble and terrazzo work, kalamein doors, cement floors, safety treads, waterproofing. Lowest bidder, T. H. Mitchell, Salisbury, Md., \$63,444.

**Theater (Alts.), Atlantic City, N. J.** Architects, Hoffman Co., Finance Building, Philadelphia. Owner, Globe Theatre Co., Atlantic City, N. J. Consists of ornamental plastering, cement floors, marble work, metal lath. Contract awarded to Wilbert Beaumont, 12 S. Tennessee avenue, Atlantic City, N. J. (Note change of Builder).

**Naval Station, Spec. 3686, Cape May, N. J.** \$128,000. Architect, private plans. Owner, U. S. Government, care of Commandant of Naval Dist., Twelfth and Chestnut streets.

**Leather Factory (Add.), Fourth and Monroe streets, Wilmington, Del.** \$20,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Standard Kid Co., on premises. Brick, 4 stories, 50x100 feet, slag roof, stone foundations electric lighting, plank floors, steel sash. Architect taking bids. J. A. Bader, J. E. Healy & Son, Joyce & Cunningham, Chas. Dougherty and W. D. Had-dock & Co., all of Wilmington, Del., are figuring.

## Delaware Construction News

**Armory (Alts.), Seventh and Delaware avenue, New Castle, Del.** Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner, Delaware State Armory Board, care of S. P. Wickersham, Twelfth and Orange streets, Wilmington, Del. Brick, 2 stories, 32x102 feet, electric lighting, fixtures, plumbing and plumbing fixtures. Architect taking bids on plumbing and heating.

**Apartment House, Wilmington, Del.** Architect, J. D. Thompson, Ford Building, Wilmington, Del. Owner, Park Realty Co., Wilmington, Del.



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ton, Del. Concrete tile and brick, 3 stories  
and basement, 40x80 feet, hollow tile, elec-  
tric lighting. Plans in progress. Too early  
for details.

**Storage Warehouse**, Fourth and Church  
streets, Wilmington. \$50,000. Architects,  
Brown & Whiteside, duPont Building, Wil-  
mington, Del. Owner, Bird Transfer Co.,  
Fourth and Pine streets, Wilmington, Del.  
Brick and concrete, 3 stories, 110x210 feet.  
Plans in progress. Architects will be ready  
for bids in about one week.

**Warehouse**, Fourteenth and Market streets,  
Wilmington, Del. Architect, J. D. Thompson,  
Ford Building, Wilmington, Del. Owner, Wm.

Austin, Security Storage Machine Works, on  
premises. Concrete, 1 story, 40x100 feet.  
Plans in progress. Too early for details.

**Garage**, Fourteenth and Rodney streets,  
Wilmington, Del. \$2,000. Architect, private  
plans. Owner, Southern Hall & Garage Co.,  
on premises. Brick, 1 story, 102x20 feet, rub-  
beroid roof, concrete floors, stone foundations,  
steam heating, electric lighting. Contract  
awarded to A. S. Reed & Bro., Wilmington,  
Del.

### Permits for New Buildings

Storage, 938 South Swanson street, \$2,00.  
P. C. Tomson & Co. (O), 25 Washington ave-  
nue. Frame, 1 story, 19x96 feet.

Garage, 925 North Sixty-fourth street,  
Moss & Taylor (O), 560 North Fifty-eighth  
street. Stone, 1 story, 18x21 feet.

Warehouse, 5327 Woodland avenue, \$4,000.  
John Smith (O), on premises. J. D. Fisher  
(C), 5424 Thompson street. Brick, 1 story,  
32x60 feet.

Open Shed, Fifty-fourth and Columbia ave-  
nue, \$700 Home Remedy Co. (O), on prem-  
ises. W. D. Corrison (C), 1515 North Fifty-  
third street, Philadelphia.

Open Shed, N. W. Cor. Somerset and Tulip  
streets, \$1,200. J. D. Grover & Sons (O), on  
premises. J. F. Welsh (C), 1723 Girard ave-  
nue. Steel, 1 story, 35x35 feet.

Storage Shed, S. E. Cor. Twentieth and Erie  
avenue, \$2,000. Winfield S. Barnes Co. (O),  
on premises. Iron, 1 story, 101½x41 feet.

Water Cooling Tower, S. E. Cor. American  
and Norris streets, \$3,000. Swift & Co. (O),  
Sixtieth and Market streets. Steel, 21 feet  
high.

Storage, 8510 Ridge avenue, \$1,000. Read-  
ing Transit & Light Co., (O), Reading, Pa.  
Iron, 1 story, 66x20½ feet.

### Alterations and Additions

Flush Bulk and Alterations, 753 South Sixth  
street, \$1,000. Andre Arnato (O), on prem-  
ises. Tony Bressi (C), 1141 Linn street.

Alterations, S. W. Cor. Fifth and Allegheny  
avenue, \$300. Harry Webb (O), on premises.  
H. Brocklehurst (C), 512 West Norris street.

Dwelling, 1736 North Felton street, \$500.  
H. Herbert (O), on premises. F. S. Searles  
(C), 5142 Thompson street. One story, 10x  
10½ feet.

Storing Ore, Tacony and Fraley streets,  
\$350. Abrasive Co. (O), on premises. Frame,  
1 story, 52x18 feet.

Residence, 755 South Sixth street, \$1,500.  
Dom Williams (O), 767 South Sixth street.  
Tony Bressi (C), 1141 Linn street.

Dwelling, 2219 Green street, \$1,000. Fi-  
delity Trust Co. (O), 325 Chestnut street.  
E. H. Keefer & Son (C), 1321 Rodman street.  
Repair wall.

S. W. Cor. Croskey and Somerset streets,

## MARYLAND

## Construction News

**Bungalows (2)**, Chelsea Terrace, Baltimore,  
Md. Architect, Geo. R. Morris, Title Build-  
ing, Baltimore, Md. Owner, Northwestern  
Building Co., Title Building, Baltimore, Md.  
Frame, 1½ stories, stone foundations, slate  
roof, steam heating, electric lighting, tile  
work, hardwood floors. Plans in progress.  
Owner will take sub-bids.

**Bungalows and Residences (4)**, Ashburton  
avenue near Garrison avenue, Baltimore, Md.  
Architect, Geo. R. Morris, Title Building, Bal-  
timore. Owner, Northwestern Building Co.,  
Title Building, Baltimore, Md. Stone founda-  
tions, frame, 1½ and 2½ stories, slate roof,  
steam heating, tile work, hardwood floors.  
Plans in progress. Owner will be ready for  
sub-bids in about three weeks.

**Store (alts.)**, 3408-10 Eastern avenue, Bal-  
timore, Md. Architect, Walter M. Gieske,  
Gunther Building, Baltimore. Owners S. and  
N. Katz, 105 North Charles street, Baltimore,  
Md. Alterations, flush bulks, metal ceilings,  
skylights, ventilators tile, marble and ter-  
razzo work, heating, electric lighting. Con-  
tract awarded to Fred Decker & Son, 1209  
East Biddle street, Baltimore.

**Residence**, Baltimore, Md. \$6,000. Archi-  
tect, private plans. Owner, Frank Carozza,  
Baltimore, Md. Brick, 2½ stories, 32x36  
feet, slate roof, hot water heating, electric  
lighting. Contract awarded to Chas. Hilde-  
rand, 33 Batavia avenue, Baltimore.

**Grain Elevator**, Eleventh and O'Donnell  
streets, Baltimore, Md. Architect, private  
plans. Owner, Standard Distilling & Distribu-  
ting Co., on premises. Drying house and  
storage building, brick and concrete, 2 stories,

37x55 feet, slag roof. Contract awarded to  
Blaimorne-Johnston Co., 910 Garrett Build-  
ing, Baltimore, Md.

**Residence**, Elkton, Md. Architect, E. C.  
May, duPone Building, Wilmington, Del.  
Owner, name withheld. Stone and brick, 2½  
stories, slate roof, stone foundations, hot  
water heating, electric lighting, tile work,  
hardwood floors. Plans in progress.

**Barn**, Elkton, Md. Architect, E. C. May,  
duPont Building, Wilmington, Del. Owner,  
name withheld. Stone, frame and brick (dairy  
barn), stone foundations, slag roof, cement  
floors, electric lighting. Plans in progress.

## Miscellaneous Construction News

**Group of Buildings (6)**, Spec. 3608, York-  
town, Va. Architect, private plans. Owner,  
U. S. Government, care of C. W. Parks, Chief,  
Bureau of Yards and Docks, Navy Dept.,  
Washington, D. C. Frame, concrete and hol-  
low tile, 2 stories, various sizes, ready and  
slate roof, hot water heating, electric light-  
ing, cement and wood floors, hollow tile.  
Lowest bids submitted by Hughes-Foulkrod  
Co., Commonwealth Building, Philadelphia,  
\$309,997; Boyle-Robertson Co., Washington,  
D. C., \$314,997.

Don't be a Rip Van Winkle. Advertise  
and let everybody know you are awake and  
abreast of the times.

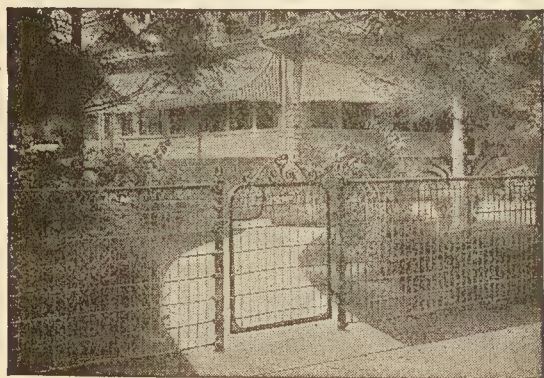
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\$750. N. Atkin (O), on premises. M. Lesse (C), 861 Winton street. Flush bulk and alterations.

Store, 933 Arch street, \$675. D. E. Dallam (O), 514 Walnut street. A. Barsky (C), 626 Pine street. Flush bulk and alterations.

Store and Meeting Rooms, 4044-46 Lancaster avenue, \$400. J. Golderg (O), on premises. H. Friedman (C), 1608 South Fifth street. Hot water heating.

Dwelling, 2101 Delancey street, \$1,000. Robt. Von Moschiszker (O), on premises. H. E. Grau (C), 1707 Sansom street. General repairs.

Boiler House, S. W. Cor. Frankford avenue and Nicetown lane, \$4,300. Edgewater Dyeing & Finishing Co. (O), on premises. James Warner (C), 240 North Sixteenth street. Alterations.

Stores, West Side of Broad, north of Snyder avenue, \$5,000. E. C. Kolb (O), N. W. Cor. Fifteenth and Snyder avenue. Brick, second story addition, 80x50 feet.

Dwelling, S. E. Cor. Fortieth and Aspen streets, \$1,800. Dr. Thos. Llewelly (O), 715 North Fortieth street. Frank K. Stahl (C), 2713 North Park avenue. Interior alterations.

2109 Market street, \$1,000. The Philadelphia Inquirer (O), on premises. Roydhouse-Arey Co. (C), 112 North Broad street. Strengthening floors.

Store and Dwelling, 617 Poplar street, \$2,000. Jacob Guzenberg (O), 822 North Seventh street. Benj. Israel (C), 432 Poplar street. Brick, 3 stories, 13½x26 feet, alterations and additions.

Sh.op, N. W. Cor. Thirty-sixth and Grays Ferry Road, \$3,800. D. B. Martin Co. (O), on premises. H. P. Friend (C), Norristown, Pa. (Add) Brick, 1 story, 33x67 feet, slag roof.

Store, 2043 East Cheltenham avenue, \$800. Wm. J. Magee (O), on premises. Chas. Johnson (C), 5701 Boyer street. Brick, 1 story, 20x20 feet, side addition.

Dwelling, 334 South Thirteenth street, \$1,000. S. M. Fisher (O), on premises. Conneen Const. So. (C), 1737 Filbert street. Iron, fire escape, fireproofing.

Tenement House, 1124 West Berks street, \$750. J. D. Flutka (O), 1859 North Twelfth street. Alterations.

Store and Dwelling, 928 North Marshall street, \$700. M. Groman (O), 931 North Twelfth street. B. Arrow (C), 992 North Seventh street. Flush bulk alterations.

Store and Dwelling, 914 South Twelfth street, \$400. Jos. De Guglielino (O), on premises. G. De Marco (C), 1224 Christian street. Flush bulk and alterations.

Dwelling, 5738 Pearl street, \$500. N. Rucho (O), on premises. N. Irracchine (C), 2227 Moore street. Brick, 2 stories, 11½x9½ feet.

Garage, 1709 Carpenter street, \$300. W. H. W. Cassell (O), 917 South Seventeenth street. M. H. Mores & Co. (C), 1834 Ellsworth street. Alterations.

Warehouse, 1721 Ranstead street, \$1,000. F. P. Mellon (O), 34 South Seventeenth street. Geo. C. Dougherty (C), 1725 Ludlow street. Interior alterations, new windows, maple floor, plastering.

Bank, N. E. Cor. Fifty-second and Market streets, \$500. Mary E. Eickhoff (O), 22 South Fifteenth street. John N. Gill & Co. (C), Otis Building. Concrete vault in basement.

Store, 1308 Chestnut street, \$25,000. George Miller (O), 1306 Chestnut street. F. L. Hoover & Sons (C), 1023 Cherry street. Alterations and new wrought.

Factory, N. W. Cor. Oxford and Howard streets, \$1,000. Valkone Dye Works (O), on premises. Brick, alterations.

Apartments, 1619 Green street, \$400. J. D. Reno (O), 1919 Green street. E. H. James (C), 1736 Fairmount avenue.

Store, 530 South Fifth street, \$600. H. Uram (O), 519 South street. B. Bornstein (C), 1510 North Franklin street. Flush bulk and alterations.

Store and Dwelling, 1931 North Thirty-first street, \$525. Solomon Morinsky (O), on premises. M. Lesitsky (C), 2547 North Thirtieth street. Alterations from dwelling to store and dwelling.

Alley Wall, American and Diamond streets, \$300. J. M. Scott & Co. (O), on premises. M. Morrison (C), 2322 North Howard street. Brick.

### AS THE EDITOR SEES IT.

(Continued from Page 30.)

been instinctively educated against it. Other factors which are retarding the recovery of the industry are the difficulty of obtaining capital, the uncertainty of the market as regards supply and distribution of capital and labor and the problems of price, supply and irregular and expensive transportation of building material.

"May we not overcome these difficulties, in a measure at least, and through a definite re-education, shape mass psychology throughout the country into a strong, fearless attitude which will favor public works, schools, hospitals and private construction of certain types, at least? The Government must go ahead with its building program and also the States, counties and cities. Such public work can be undertaken without loss, even with present high prices, because the value of property is dependent, not so much upon what it costs, as upon the cost of reproducing the same.

"The new attitude of the Government toward building and the work thus started must be given as much favorable publicity as the Government directed unfavorably toward construction during the war. A campaign to encourage home owning and home building has already been inaugurated by the Department of Labor, under the direction of Roger W.

We have pebbles all sizes. Cost less than what you are using. DAVID FRANCE CO., Tasket Street Wharf, Delaware River, Philadelphia.



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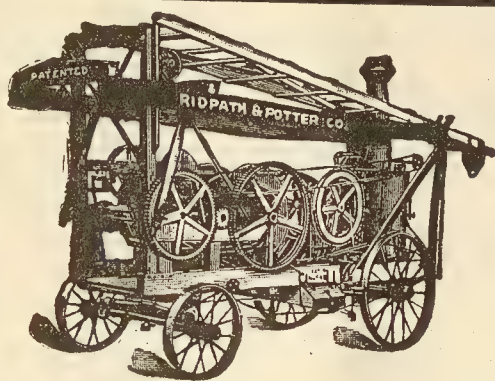
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Babson and Franklin T. Miller. A survey of community requirements should be made, based on statistics from building permits, and building quotas should be established for each section. In carrying out this campaign the active support of banks is essential in order to arrange for and encourage loans to home builders. May every one help!"

\* \* \*

**R**ESUMPTION of the normal activity in building is regarded by the Department of Labor as the first step in transition from a war to a peace basis. The war practically ended building of all sorts not connected with the Government's program, through restrictions on construction and movement of building material.

At this time, building of economically sound projects will benefit not only the building industry, but industry as a whole, and will smooth the pathway from war-time conditions to the normal. Moreover, building remains a permanent betterment to every community.

The pivotal nature of the building industry and the fact that building materials have shared less in the general inflation of commodity prices than almost anything else, make stimulation of building the most feasible means of aiding industry.

The Department of Labor does not look forward to any unemployment crisis, says Assistant Secretary of Labor, Louis F. Post. There is no reason why either business men or wage-earners should be apprehensive with regard to commercial stagnation. The war has on the whole increased the purchasing power of the masses and has created new markets. America must assist in the rebuilding of Europe, and avenues for foreign

trade hitherto closed to us are now open. Raw materials which were denied to private and non-essential industry during the war are now accessible to the manufacturers of America through their release by the War Industries Board. Credits which were similarly denied to private concerns because they were needed for Government use have also been released by the Capital Issues Committee. There is no reason for anyone to be alarmed over the future.

We must remember, however, that we have large numbers of men under arms who must be transferred to industry as rapidly as possible and that this number is many times larger than that which we have been accustomed to absorbing. Industries cannot be resumed over night. Consequently there will be for some months to come the necessity for providing some form of employment for our demobilized soldiers and war workers, pending the resumption of normal activities. There are two ways in which this can be done. One is through the continuance of the manufacture of munitions and other supplies designed primarily for war purposes which are now unnecessary by reason of the signing of the armistice. The Department is opposed to this course. It is simply a waste of intelligence, energy, and material. It is foolish to create work solely for the purpose of giving employment to someone. The alternative to this wasteful practice is to stimulate work which is valuable for peace time purposes. Many municipalities throughout the country, and many States as well, have during the war either abandoned or suspended considerable amounts of public improvements. The Federal Government itself has practically abandoned its building program for

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the past two years. This accumulation of work should be undertaken at once as a means of providing buffer employment to carry us beyond the transition period and take up such unemployment slack as may result not so much from the inability of the industries to eventually absorb demobilized soldiers and war workers as to the rapidity with which they will be required to absorb them.

A new division has been created in the Department of Labor for the purpose of interesting the nation in public works and private construction. Secre-

Our specialty is Portland Cement that will stick and pass the City Department. Tasker Street Wharf, Delaware River, Philadelphia. DAVID FRANCE CO.,



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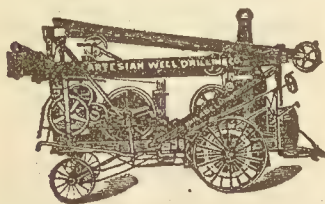
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### TWO-STORY DWELLINGS—Including Two-story Stores and Dwellings.

|           | Wards. | 3  | 4  | 18 | 21 | 22 | 23 | 25 | 33 | 34 | 35 | 38  | 40  | 41  | 42 | 43 | 45 | 48  | Totals |
|-----------|--------|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|----|----|----|-----|--------|
| January   | .....  | .. | .. | .. | 6  | .. | .. | .. | .. | .. | .. | 22  | 9   | ..  | .. | .. | .. | ..  | 37     |
| February  | .....  | .. | .. | 2  | .. | .. | .. | .. | .. | .. | .. | 2   | 56  | ..  | 1  | .. | 1  | ..  | 62     |
| March     | .....  | .. | .. | .. | 3  | 9  | .. | .. | .. | .. | .. | 3   | 25  | 40  | 46 | .. | .. | ..  | 126    |
| April     | .....  | 1  | .. | .. | 3  | .. | 4  | 1  | 31 | .. | 4  | ..  | 20  | ..  | 76 | .. | .. | ..  | 140    |
| May       | .....  | .. | .. | .. | .. | .. | .. | .. | .. | 19 | 2  | ..  | 114 | ..  | 26 | .. | .. | ..  | 161    |
| June      | .....  | .. | .. | .. | .. | .. | .. | .. | .. | 23 | 8  | ..  | 5   | 50  | 41 | .. | .. | 1   | 128    |
| July      | .....  | .. | .. | .. | 7  | .. | .. | .. | .. | .. | 12 | ..  | 2   | ..  | .. | 6  | .. | ..  | 27     |
| August    | .....  | .. | .. | .. | .. | 1  | .. | .. | .. | 22 | 1  | ..  | 90  | ..  | 1  | .. | .. | ..  | 115    |
| September | .....  | .. | .. | .. | .. | 32 | .. | .. | .. | .. | 1  | ..  | 14  | ..  | .. | .. | .. | ..  | 47     |
| October   | .....  | .. | 1  | .. | .. | .. | .. | .. | .. | .. | .. | ..  | ..  | ..  | .. | .. | .. | ..  | 1      |
| November  | .....  | .. | .. | .. | .. | 30 | .. | .. | .. | .. | .. | ..  | 10  | ..  | .. | .. | .. | ..  | 40     |
| December  | .....  | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | ..  | ..  | ..  | .. | .. | .. | ..  | ..     |
| Totals... | 1      | 1  | 2  | 19 | 72 | 4  | 1  | 31 | 64 | 28 | 27 | 345 | 90  | 191 | 6  | 1  | 1  | 884 |        |

### THREE-STORY DWELLINGS—Including Three-story Stores and Dwellings.

|                 | Wards. | 1  | 4  | 21 | 22 | 23 | 34 | 35 | 40 | 42 | Totals |
|-----------------|--------|----|----|----|----|----|----|----|----|----|--------|
| January .....   |        | .. |    | 2  | .. | 1  | .. | .. | .. | .. | 3      |
| February .....  | 1      | .. | .. | .. | .. | .. | .. | .. | .. | .. | 1      |
| March .....     |        | .. | .. | .. | .. | .. | 4  | .. | .. | 1  | 5      |
| April .....     |        | .. | .. | .. | .. | 4  | 2  | .. | .. | .. | 6      |
| May .....       |        | .. | .. | .. | .. | .. | 12 | .. | 1  | .. | 13     |
| June .....      |        | .. | 2  | .. | 2  | .. | 2  | .. | .. | 1  | 7      |
| July .....      |        | .. | 1  | .. | .. | .. | .. | 3  | .. | .. | 4      |
| August .....    |        | .. | 1  | .. | .. | .. | .. | .. | 1  | .. | 2      |
| September ..... |        | .. | .. | .. | .. | .. | .. | .. | .. | .. | ..     |
| October .....   |        | .. | .. | .. | .. | .. | 3  | .. | .. | .. | 3      |
| November .....  |        | .. | 2  | .. | .. | .. | .. | .. | .. | .. | 2      |
| December .....  |        | .. | .. | .. | .. | .. | .. | 16 | .. | .. | 16     |
| Totals.....     | 1      |    | 6  | 2  | 2  | 5  | 23 | 19 | 2  | 2  | 62     |

tary Wilson announces that the new service will gather and distribute information that will enable private initiative to make the transition from a war to a peace basis without serious interruption, due to lack of data on which business judgment must depend.

A survey of business conditions will be made with a view to learning how labor and capital may be profitably employed during the critical period when factories are being made over for peace production and markets are being canvassed for future outputs.

The division which will carry on this work is now being organized by F. T. Miller, as a section of the Department's Information and Education Service, of which Roger W. Babson is chief. The new organization is called the Division of Public Works and Construction Development, and occupies the building at 16 Jackson Place.

The particular objective of the bureau's research will be to secure data for the use of the construction industry, but the material to be collected will be so varied that the information will be of value to industry generally. The facts made available will be of help to any community or investor in determining whether it is advisable to undertake public or private building at present. When circumstances unfavorable to construction are discovered an attempt may be made to correct them, but there will be

no stimulation of economically unsound enterprise. The findings of the bureau will be given the widest publicity.

The pivotal nature of the building industry is economic reconstruction and the general purpose of the work of this division are expressed in Secretary Wilson's statement:

"Building construction will help to provide employment for returning soldiers and for workmen dismissed from war industries. One of the largest sources of prospective employment is the building trade and its allied factory industries.

"In the case of private construction, a resumption of activity will also lessen the congestion of population, improve conditions affecting the public health and convert inactive property into active property—which supplies the means that enable communities to support the function of governments.

"During the war the nation practically concentrated all its efforts on the production of goods for immediate consumption—war materials, food, clothes. The failure to produce the normal quota of goods for future consumption has made these scarce and high priced, and as they are essential to further production they affect the cost of production and, consequently, the cost of living. Chief among such goods are building and other real estate improvements, including public works, as roads, bridges, etc. The scar-



city of buildings creates high rents.

The inquiry will be under the direction of business men of wide practical experience who are serving without pay. The actual investigation will be conducted by a group of economists and special agents supplied by the Department of Labor and other Government departments or lent by universities. The field will include the cost and supply of building materials, the amount of labor available and its cost, the values of land, prevailing rents, the supply of capital, the amount of construction held up by the war and the demand for building in all parts of the country.

Under the supervision of the economics section, five other sections will prepare information for publication by the means of the press, public speakers, posters and the medium of organized labor.

**A**CTIVITY of the construction industry at this time, according to F. T. Miller, Director of Division of Public Works and Construction Development, U. S. Department of Labor, is essential to the general welfare of the country. As Secretary McAdoo recently stated, in directing the Supervising Architect to resume public work, "the activity of the building industry will facilitate the transition of (general) industry from a war to a peace basis."

This is a question that goes beyond the interests of the construction industry. It is fundamental to our entire program of reconstruction and affects society as a whole. After all, reconstruction must be literal as well as metaphorical; the way to bring about reconstruction is to reconstruct.

Successful construction depends upon proper team-work between the employer and employee; therefore, the work undertaken by this Division falls under the activities of the Labor Department; and under those of the Information and Educational Service, which already possesses a nucleus of the necessary organization and important data.

Secretary Wilson's wish is that the Nation be interested in public and private construction. This wish cannot be carried out unless the work is based on facts.

Facts when verified and surveys when completed will be made known to the public and to the members of this great composite industry. This is a service of information and education.

The co-operation of other governmental departments the State Councils of Defense, etc., is assured. Evidently time

can be saved and correctness of viewpoint gained by such co-operation.

The following telegram from the Secretary of War, approved by the Secretary of Labor, was sent out under date of December 21, 1918, to 48 State Councils of National Defense and 4,000 County Councils of National Defense:

"Re-employment of discharged soldiers, sailors and war workers released from war industries is one of the most important tasks now before the country. We strongly urge that in sections where there is a surplus of labor all public improvement be advanced in order to absorb labor. We ask that you use all influence with State, county and municipal authorities to this end. Preliminary steps should be taken immediately in order that necessary authority may be secured in time for operations upon opening of construction season.

(Signed) NEWTON D. BAKER,

Secretary of War and Chairman of Council of National Defense."

Approved by:

Secretary of Labor."

The construction industry—a composite industry—is one of the Nation's largest. Its successful functioning is most necessary for the public welfare. It now needs and merits governmental support more than any other great industry, for the reason that it has necessarily been embargoed by the Government during the war.

The British Government, whose precedent in curtailing the building industry during the war was followed by our own Government, has already taken forethought in this matter.

Deferred building construction is one of the first portions of our war debt which must be met, for it provides facilities for paying the remaining portion of the war debt and also decreases the cost of living.

It is an economic waste to allow labor and materials to remain even temporarily in idleness, when they may in the meantime be put into wealth and tax-producing structures.

Money is not consumed in building operations, but passes from one hand to another, and still remains in the National banking system, yet leaves on its way a permanent evidence of wealth—such as a water-power, a highway, a railroad, a sewer or other necessity to the earning power of society.

A thrifty farmer reduces his luxuries in order to improve his land and his buildings; a thrifty Nation keeps up its construction program.

Public credit is ample for all public works. The money used circulates through the State ten times in the twelve months and largely remains in the State, while the structure endures for the benefit of society.

Since the beginning of the European War, construction has decreased, until now it is quite at a standstill. There is, therefore, an accumulated need for building. The shortage of construction is indicated by high rents.

The increased cost of building materials is only about half that of other commodities.

The increased cost of building materials is offset in some localities by decreased cost of land.

Investment in building has always been considered the safest investment for the individual and his dependents.

The country is probably a full year behind in its civil construction program, amounting to at least three billion dollars. This amount must be caught up and normal building continued; a condition of permanently arrested development of the country is inconceivable.

At this time of quiet in the industry, the foresighted who have need for building will naturally receive better service than when the rush comes on.

There is a growing understanding between the building employer and the employee of their co-operative relationship, and together they have every incentive for rendering the public efficient service.

It remains for this Division to obtain a variety of data in addition to those which it already has, in order, if possible, to point out what kinds of projects can be most prudently undertaken in the various sections of the country.

Co-operation of the architectural and engineering professions, of the practical contractors, and of the two-hundred-odd National associations of manufacturers, etc., in the practical application of these facts, may be assumed as assured.

Don't crowd your space, Mr. Advertiser. Better play up one selling point at a time than to try to get everything into one ad. and kill every possible chance for display. An ad. should stand out. It should be easily read. It should draw the attention of the reader. A carload of detail can't be crowded into a few inches of space and still retain the quality of sticking out as all good advertising should.

Business is founded on reciprocity and co-operation. Any other plan than this spells bankruptcy. The successful business nowadays has a heart and a soul.

If you want Trap Rock or Slag, any size or grit, we are headquarters for same. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



# PHILADELPHIA AS A BUILDING CENTER

## A Classified and Tabulated Statistical Review of Structural Activities During 1918

### Number of New Buildings Erected from January 1st to December 31st, 1918.

|                               | Jan. | Feb. | March. | April. | May. | June. | July. | Aug. | Sept. | Oct. | Nov. | Dec. | Total Operations. | Estimated Cost. |
|-------------------------------|------|------|--------|--------|------|-------|-------|------|-------|------|------|------|-------------------|-----------------|
| Amusement, Places of.....     | ..   | ..   | ..     | ..     | 1    | ..    | 1     | ..   | ..    | ..   | ..   | ..   | 2                 | \$145,000       |
| Banks .....                   | ..   | ..   | ..     | ..     | ..   | ..    | ..    | ..   | ..    | ..   | ..   | 1    | 1                 | 150,000         |
| Churches .....                | 1    | 2    | ..     | ..     | ..   | ..    | 1     | 1    | 1     | ..   | ..   | ..   | 6                 | 26,550          |
| Dwellings, one-story .....    | ..   | ..   | 3      | 1      | 3    | ..    | 1     | ..   | ..    | ..   | ..   | ..   | 8                 | 17,500          |
| “ two-story .....             | 37   | 62   | 126    | 140    | 161  | 128   | 27    | 115  | 47    | 1    | 40   | ..   | 884               | 2,885,710       |
| “ three-story .....           | 3    | 1    | 5      | 6      | 13   | 7     | 4     | 2    | ..    | 3    | 2    | 16   | 62                | 403,000         |
| “ frame .....                 | ..   | ..   | 2      | 1      | 1    | ..    | ..    | 1    | 1     | ..   | ..   | 5    | 11                | 36,500          |
| Engine and Boiler Houses..... | ..   | ..   | ..     | 1      | ..   | ..    | ..    | 1    | ..    | 3    | ..   | ..   | 5                 | 59,950          |
| Garages .....                 | 9    | 17   | 54     | 77     | 77   | 54    | 49    | 38   | 36    | 23   | 21   | 25   | 480               | 833,320         |
| Hospitals .....               | ..   | ..   | ..     | ..     | ..   | ..    | 1     | ..   | ..    | ..   | ..   | ..   | 1                 | 45,000          |
| Libraries .....               | ..   | ..   | ..     | ..     | ..   | ..    | ..    | 1    | ..    | ..   | ..   | ..   | 1                 | 82,000          |
| Manufactories .....           | 1    | 3    | 2      | 5      | 6    | 8     | 4     | 4    | 7     | 2    | 1    | 5    | 48                | 1,433,600       |
| Miscellaneous Buildings ..... | 13   | 6    | 15     | 13     | 17   | 11    | 8     | 5    | 5     | 4    | 7    | 8    | 112               | 325,125         |
| Office Buildings .....        | 2    | 1    | 3      | 1      | 4    | 3     | 2     | 3    | 5     | 5    | 3    | 1    | 33                | 1,352,290       |
| Power Houses .....            | ..   | ..   | 2      | ..     | 1    | 2     | ..    | ..   | ..    | ..   | 1    | ..   | 6                 | 81,950          |
| Rooming Houses .....          | ..   | ..   | ..     | ..     | ..   | ..    | 1     | ..   | ..    | ..   | ..   | ..   | 1                 | 13,700          |
| Round Houses .....            | 1    | ..   | ..     | 1      | ..   | ..    | ..    | ..   | ..    | 1    | ..   | ..   | 3                 | 430,000         |
| Schools .....                 | ..   | ..   | ..     | 1      | ..   | ..    | ..    | ..   | ..    | ..   | ..   | ..   | 1                 | 113,000         |
| Stables .....                 | ..   | ..   | 1      | 1      | ..   | 1     | ..    | ..   | ..    | ..   | ..   | 1    | 4                 | 3,150           |
| Stores .....                  | 1    | ..   | 1      | ..     | 1    | 2     | ..    | ..   | 1     | ..   | ..   | ..   | 6                 | 82,500          |
| Tenement Houses .....         | ..   | 1    | ..     | ..     | ..   | ..    | 1     | 1    | ..    | ..   | ..   | ..   | 3                 | 62,000          |
| Warehouses .....              | ..   | 2    | 3      | 4      | 5    | 3     | 2     | 2    | 2     | 2    | ..   | 1    | 26                | 364,400         |
| Workshops .....               | 3    | 2    | 8      | 3      | 1    | 7     | 4     | 4    | 6     | 1    | 3    | 1    | 43                | 313,770         |
| Total New Buildings.....      | 71   | 97   | 225    | 255    | 291  | 226   | 106   | 178  | 111   | 45   | 78   | 64   | 1747              | \$9,260,015     |
| Additions .....               | 28   | 30   | 95     | 124    | 113  | 106   | 101   | 79   | 76    | 68   | 47   | 47   | 914               | 3,167,520       |
| Alterations and Repairs.....  | 104  | 129  | 200    | 259    | 221  | 227   | 229   | 173  | 153   | 127  | 128  | 153  | 2103              | 2,356,240       |
| Grand Total.....              |      |      |        |        |      |       |       |      |       |      |      |      | 4764              | \$14,783,775    |
| Fire Escapes.....             |      |      |        |        |      |       |       |      |       |      |      |      | 17                | 15,910          |
| Heaters .....                 |      |      |        |        |      |       |       |      |       |      |      |      | 100               | 91,600          |
| Miscellaneous Work.....       |      |      |        |        |      |       |       |      |       |      |      |      | 1056              | 556,725         |
| Signs .....                   |      |      |        |        |      |       |       |      |       |      |      |      | 13                | 4,660           |
| Total work of all kinds.....  |      |      |        |        |      |       |       |      |       |      |      |      | 5950              | \$15,452,670    |

Buy pure lime, 99% pure, no core, no grit. DAVID FRANCE CO.,  
Tasker Street Wharf, Delaware River, Phila. Both 'phones.



# Reference Directory for Architects, Builders and Owners

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Artesian Well Drilling Co.,  
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Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

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F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Face, Etc.).

O. W. Ketcham.....Builders' Exchange, Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

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David France Co.,  
Tasker st. wharf, Delaware River, Phila.

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.  
Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
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## Dampproofing.

The Barrett Co.....New York City and Phila.

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## Fire Doors and Shutters.

Merchant & Evans Co.,  
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General Fireproofing Co.....832 Arch st., Phila.  
Henry S. Harris.....Land Title Bldg., Phila.  
Metal Lathing Specialty Co.,  
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Pearce Fireproof Co.....1345 Arch st., Phila.  
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Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

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Fleck Bros. Co.....44 N. 5th st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

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Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Levels.

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Richardson and Boynton Co.1332 Arch st., Phila.

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## Roofing Tin.

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## Roofing Slate.

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## Scales.

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Ridpath & Potter Co.....Bourse Bldg., Phila.  
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## Structural Slate.

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O. W. Ketcham.....Builders' Exchange, Phila.

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Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

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Audubon Wire Cloth Co., Inc....Audubon, N. J.



1792

1918

# Insurance Company of NORTH AMERICA

PHILADELPHIA



## 126th Annual Statement

December 31, 1917

|                      |   |                 |
|----------------------|---|-----------------|
| Cash Capital         | - | \$ 4,000,000.00 |
| Reserve for Premiums | - | 10,630,740.40   |
| Reserve for Losses   | - | 4,419,000.00    |
| Reserve for Taxes    | - | 950,000.00      |
| Reserve for Sundries | - | 160,000.00      |
| Surplus              | - | 8,317,502.26    |

## TOTAL

\$28,477,242.66

|                                |   |                  |
|--------------------------------|---|------------------|
| Surplus to Policyholders       | - | \$ 12,317,502.26 |
| Losses Paid Since Organization | - | 192,518,273.33   |

## The Oldest American Stock Insurance Company

|                    |                   |                  |
|--------------------|-------------------|------------------|
| Fire Insurance     | Automobile        | Cotton Insurance |
| Tornado            | Use and Occupancy | Marine           |
| Sprinkler          | Builder's Risk    | Rent             |
| Explosion          | Tourist           | Leasehold        |
| Inland Transit     | War Risk          | Parcel Post      |
| Salesman's Floater |                   | Registered Mail  |



TRADE MARK  
Reg. U. S. Pat. Office

## Expanded Metal, Metal Laths, Self-Sentering, Fireproof Building Specialties and Waterproofings

Are you familiar with the economy features of these materials? If not let us supply you with details and quote you on your requirements.

### THE GENERAL FIREPROOFING CO.

832 ARCH STREET

Philadelphia, Pa.

Prompt Deliveries from our Philadelphia Warehouse

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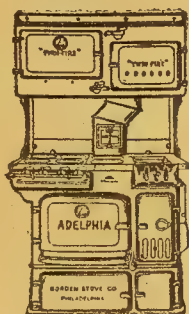
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Place your orders with us. We have for years satisfied our customers. WHY NOT YOU?

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## ADELPHIA

*Steam and Hot Water Boilers Warm Air Furnaces*  
*Ranges for either Coal or Gas or Combination Coal and Gas*

ARE STANDARD IN CONSTRUCTION

SUPREME IN SATISFACTION-GIVING RESULTS

ECONOMICAL IN FUEL CONSUMPTION

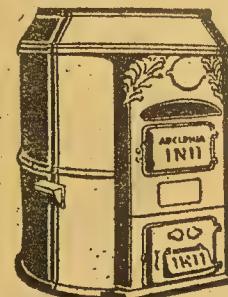
While our Philadelphia warehouse, with its instant delivery service, with its large stocks of all sizes and styles insures that same BORDEN SERVICE rendered since 1878.

Visitors always welcomed at our new centrally located daylight showrooms containing the most complete and one of the finest assortments in the city.

### BORDEN Stove Company

1313 ARCH STREET

PHILADELPHIA





# Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 4  
January 22, 1919

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LESS THAN ONE YEAR  
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Cooking Ranges  
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RICHARDSON & BOYNTON CO.  
1332 Arch St., Philadelphia



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(Pat. Pending)

For buildings of a permanent character, the U. S. Government desires the highest grade products that are best suited for the purpose intended and in line with this policy, Evans "Almetl" Fire Doors and Shutters have been purchased and used for various buildings in such ship building plants as the Merchant Ship Building Corporation, the Detroit Ship Building Co., Pusey & Jones Co., etc., also in U. S. Government Arsenals, Panama Canal Buildings and Air Nitrate Plants, controlled by the Ordnance Dept.

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BALTIMORE CHICAGO  
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CLEVELAND KANSAS CITY



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"CONCRETE FOR PERMANENCE"

Philadelphia Headquarters, Finance Building



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## PHILADELPHIA WAREHOUSE

REINFORCING BARS—Cut to Length  
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HY-RIB and RIB LATH  
CORNER BEAD and CURB BARS

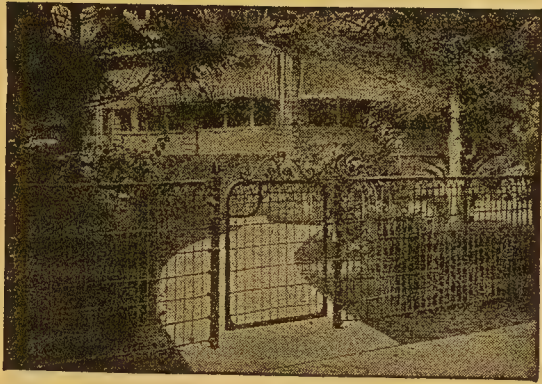
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**TRUSCON STEEL COMPANY**

Formerly TRUSSED CONCRETE STEEL COMPANY

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Philadelphia





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It's the anchorage of the posts that determines whether the fence will keep its alignment and stand straight and true after years of service.

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are built on anchor posts which are driven into the ground and then held rigidly erect by two Anchor stakes driven diagonally through slots clamped to the sides of the posts.

Iron Railings and Entrance Gates. Lawn Fences. Tennis-Court, Poultry and Kennel-Yard Enclosures, Arbors, Trellises, and Flower-Bed Guards. Catalogues of any or all are yours upon request.

**Anchor Post Iron Works**

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**Roofing Tile**

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### POMEROY CONSTRUCTION CO.

#### Building Construction

Let us figure on YOUR building work

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## FACE and CUT STONE

**HOLMESBURG GRANITE CO.**

Commercial Trust Building  
PHILADELPHIA



**Wells - Soundings  
Test Borings**

**Artesian Well  
Drilling Co.**

Real Estate Trust Building, Philadelphia

## Belfi Bros. & Co.

Marble  
Mosaic



Terrazza and  
Ceramic Mosaic

Tiles for Floors and Fireplaces  
Interior Marble Work  
Mantles, Marble and Wood

1923 Market Street  
PHILADELPHIA

Branch Office, Allentown, Pa.  
225 COMMONWEALTH BUILDING

**Base and Floor  
one continuous  
piece**



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**Damp, Fire and Vermin Proof**

WE LAY THIS FLOOR ANYWHERE  
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SPECIFY

## Analo Powder Paint

Whether applied by brush or machine, if done by our corps of trained artisans you are sure to get the best work at the lowest possible cost. Better see us today. "Let there be light."

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Manufacturer and Contractor  
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PHILADELPHIA  
Both Phones

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Confirmed, Up-to-  
the-Minute, Infor-  
mation on Proposed  
Building Work in  
Philadelphia, East-  
ern Pennsylvania,  
Southern New Jer-  
sey and Delaware.**

*Let Us Show You  
How You Can Use  
This Service to In-  
crease Your Business.*

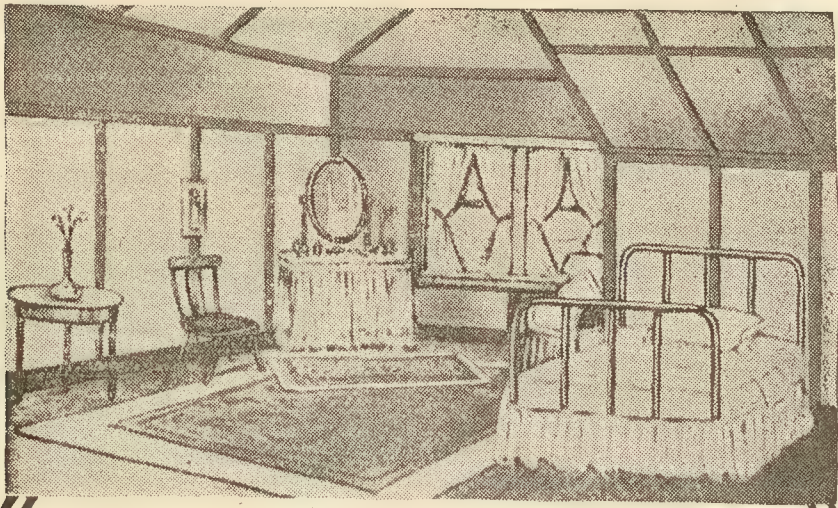


## Building News Publishing Co.

Perry Building, Philadelphia

Bell Phone, Spruce 1611-12  
Keystone, Race 2799





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*Ceil-Board*

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*Specialists in Factory and Jobbing Lumber*  
Lumber Yards Philadelphia Agency  
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"Ef-Es-Co" gives a dead-flat effect on wood and metal. It looks like enamel, flows well under the brush. Made in white and colors of best materials. You are sure of its quality when you specify it.

FELTON, SIBLEY & CO., Inc.

*Manufacturers of Colors, Paints and Varnishes since 1863*

136-140 N. 4th St., PHILADELPHIA  
(145)

F. M. VENZIE

W. J. LEDERLE

Specialists in Metal Lath and Light Iron Construction

FOR

Fire Proof Partitions  
Plain & Ornamental Ceilings  
Cornice Furring & Bracketing  
Metal Lathing for Stucco

We are not too big to look for your Small Orders, nor too small to handle your big fellows

Let our experience help solve your problems in Metal Lath Construction

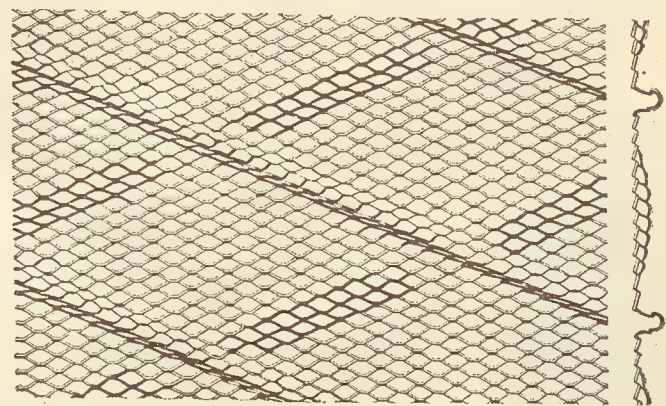
#### Metal Lathing Specialty Co.

2610-24 West Huntingdon Street  
Philadelphia, Pa.

Bell Phone, Diamond 209

Keystone, Park 1478

### Self-Furring Lath Insures a Perfect "Key"



Kno Fur (Self-furring) Expanded Metal Lath is a Metal fabric of diamond shaped meshes with integral furring ribs formed in the sheets.

These 1/2-inch deep ribs act as furring strips, but being open meshes permit the plaster to flow around every single strand and completely imbed the entire rib.

Phone or write for complete information and prices.

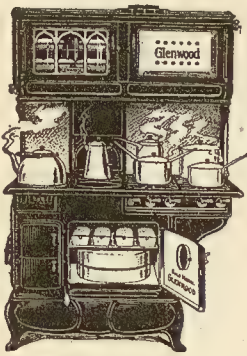
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Bell Phone, Locust 3924

Keystone, Race 4434





## Henry M. Miller

### GOLD MEDAL GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges  
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46-48-50 N. SECOND STREET, PHILA., PA.

## CUT YOUR COAL BILL 40%

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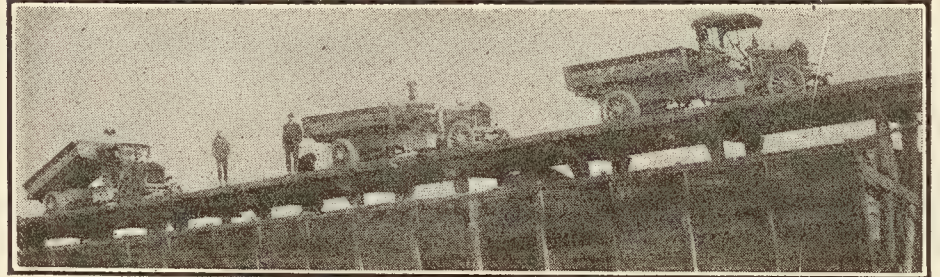
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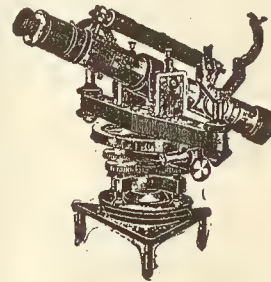
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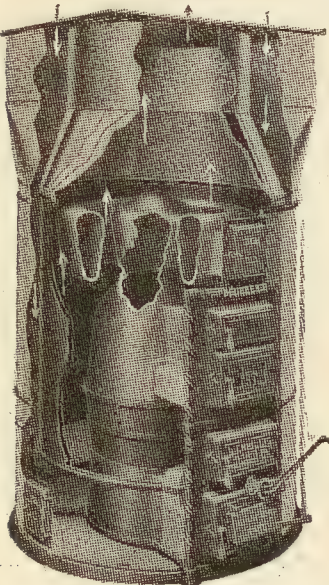
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
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## As The Editor Sees It



WITH the cessation of the need for munitions and other war supplies comes the release of a great many men who were employed in the manufacture of these products during the war. Every day soldiers are returning to don civilian clothes and take up again the tasks of peace. Inevitably we are inclined to be apprehensive of what will happen as these men are daily thrown out of work. The answer to the problem is to be found in the construction industry and "that the entire country," says the *Architect and Engineer* of California, is about to enter upon an unprecedented era of building activity is indicated in reports from the big cities of the East and on the Pacific Coast. It is not generally realized that the building industry of this country which was so seriously disorganized by the War, represents an investment of something over \$2,000,000,000, while its annual product in normal times is conservatively estimated at more than \$3,000,000,000. Employment is given in ordinary times to a million and a half skilled and unskilled workmen. There are in normal times three thousand architects engaged in design and superintendence in the United States.

"There is no question about the future prosperity of this great industry. The demand for new building is here. Every architect, every engineer, actively practicing their professions, can tell of the many projects that have been reluc-

tantly postponed because, in the first place, of patriotic consideration, and second, because of the restrictions that have been imposed by the Government. This construction work includes a great and increasing volume of public work for which the money is actually in hand. Now that the ban has been removed, these projects can be carried out unhampered.

"Of course, it is entirely reasonable to believe that for the first few weeks there will be some hesitation on the part of owners, who may think that by waiting awhile they can get better prices on materials and labor. But material and labor prices will quickly settle upon a fairly normal basis. The period of readjustment ought not to take more than a few weeks, even though present priority restrictions are removed. It does not seem at all probable that with the market swept clean of materials, and a big construction program awaiting just around the corner, there is any good reason to think that material prices will be reduced very considerably below the present point for a long time to come—if ever. Surely, labor will not easily relinquish the advances that have come in the last four years of war. A scarcity of common labor will, we believe, be pronounced for a long way ahead. The nations of Europe will take restrictive measures to stop emigration—if, indeed, there is any tendency to emigration on the part of the workers, for Europe has a vast program of rehabili-

tation to carry out before it can repair the ravages of more than four years of bitter warfare, and its workers, who will not have to bear in considerable part the direct burden of taxation, will undoubtedly find plenty of labor at hand with a rate of remuneration passing all precedents.

"Indeed, the owner who now places his plans in the hands of the contractors will profit very considerably, for the old, old story will surely repeat itself. Contractors who have had scanty gleaning at the best during the past few years, or who have drifted into essential war work of one kind or another, and who are hastening to re-establish themselves in their old field, will be anxious to get actually into the field with a job or two, which will enable them to build up their working organizations. They will want to be in a position to offer steady employment to the tried and reliable employees of former years, who have formed the nucleus of their field and office forces. Hence, they will be willing, in many instances, to sacrifice initial profits to this desire, and the owners who place their contracts now will benefit.

"There are a good many other things to be considered. For the next year or so there will be a big job of policing to be done in Europe. America will probably share in this work. Announcement has been made that the entire American army can be transported home in three months, but it is not probable that any

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attempt will be made to do so. Some of the troops—the greater number, undoubtedly,—will be brought home and mustered out of service, but hundreds of thousands of men will be still engaged in the military and naval forces of the country after the lapse of many months—perhaps of a year. That will have a natural tendency to reduce the men available for work at home, and will have a tendency to keep labor prices up—though it must be said that in all likelihood wages will never go back to anywhere near as low a point as they were four years ago.

"There already are signs of a big demand for residence construction. Some four million young men will no longer be housed in cantonments and army camps. They will require homes of their own as they are again absorbed into the industrial life of the country.

"Future prices of building materials are, of course, dependent largely upon the Government's attitude. It will not be so easy for the Government to relinquish control of the railroads, and it appears extremely unlikely that in any event freight rates will be reduced very considerably, if at all, until the railroads are established on a sound financial footing, with enough trackage and equipment to meet the demands of the expanding industries of the country."

\* \* \*

**C**ERTAINLY construction seems to meet the needs of the country in this time of transition from a war to a peace basis. Besides acting as a means of providing buffer employment during this period, building does not draw the money put into it away from the community, but becomes a source of taxation. Also, the money used in construction passes from one hand to another and still remains in the national banking system, leaving on its way a permanent evidence of wealth.

One of the most encouraging phases of the situation is that there are so many business organizations uniting in the demand for building as the logical means of tiding the country over the transition period.

At the recent War Emergency and Reconstruction Conference, held at Atlantic City, William M. Garland, of Los Angeles, Cal., President of the National Association of Real Estate Boards, endorsed the building of homes for workers. The National Association of Real Estate Boards, said Mr. Garland, are intensely interested in the development of home life, and the splendid citizenship which results therefrom. We desire particularly to encourage the building of homes for the working classes. This industry has, by abridgement and curtail-

ment since February, 1918, been absolutely stopped; and, the only homes erected for working men have been by the Housing Bureau of the Government of the United States, which has constructed thousands of houses, which were to be occupied by laboring men engaged in the fabrication of war work necessities. The abrupt, but nevertheless welcome, termination of the war leaves these thousands of houses in a state of incompleteness, and consequently unoccupied. Through the influence of town planners and architects communities were in process of development, all of which should and must be abandoned; and the Government must now realize, as best it can, from the early disposition of these half finished developments.

I advocate that all such buildings should be sold, which have been built under the various housing acts, as soon as they can be advantageously disposed of; for public policy and American tradition seem to demand that every semblance of control of the home by the Federal Government be destroyed on the instant that the necessity for such control ceases to exist. This sort of paternalism is not an American institution.

It is my opinion that the real American desires to own his own home. The safety of America lies in the final analysis in the hands of that class of citizens. There can be no doubt that in times of peace the greatest happiness lies among the contented home-owners; and in time of strife, when our citizens are called upon to bear arms in defense of their country, the man who owns his own home is inspired to fight that much harder for his flag.

I predict an active building period throughout the United States as a result of the spirit of economy and thrift which has permeated every home since the commencement of the war, and as a result of the removal of the restrictions which have prevented all classes of private construction during the past year. I should like to have this convention of industrial representatives strongly endorse the sentiment of "Own Your Home" as being thoroughly constructive and American. The Realtors approve this sentiment, not from a selfish viewpoint, but as a standard of better citizenship, of thrift, and a more general distribution of wealth, employment and enduring happiness.

**A**CCORDING to F. T. Miller, Director, Division of Public Works and Construction Development, U. S. Department of Labor, Information and Education Service, Washington, contracts for 800 public school houses, totaling some \$80,000,000, have been held up

as a result of the war, according to but a partial tabulation of building conditions throughout the United States, which has been made by the Statistical Section of the department. It is estimated that the completed tabulation will show that these projects, now being held in abeyance, aggregate more than one hundred million dollars.

In round numbers, this is about one dollar per capita throughout the United States. As school buildings are customarily financed on twenty-year serial bonds, this means an installment payment of about five cents per capita per year by the people of this country, if they would have their school program put through at the present time.

Assuming that a decrease of twenty per cent. in construction costs might develop during the next four or five years (and this is regarded by many as a maximum decrease), the immediate completion of the Nation's school program would involve an excess of only one cent per capita per year over the per capita cost, even if construction were delayed for several years.

The education of the country ask, shall the country have its schools now at five cents per capita per year, or delay having them for four or five years in order to buy them at four cents per capita per year?

To interest the Nation in forwarding this particular work is one of the undertakings of this new division of the Department of Labor. In this purpose it has the support not only of educators, but of sociologists. They believe that the nation-wide lack of public school accommodations, which is known to all, is one of the earliest problems that must be solved with others that belong to the reconstruction period.

Calvin Coolidge, Governor of Massachusetts, who with the Governors of the other States recently received from Secretary of Labor Wilson a request to stimulate interest in public works and civil construction, has announced the appointment of a special committee composed of representatives of labor and capital to forward this purpose.

Governor Coolidge has, in addition, issued an inspiring statement to the people of Massachusetts advising them that Massachusetts does not intend to be the "sport of chance," but the "master of her destiny."

The Governor argues that the return to normal business life will not be accomplished by worrying over what may happen, but can only be accomplished by doing the tasks at hand. His statement is a gospel of courage and optimism not only

(Continued on Page 49.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Fire House, Police Station, Boiler House and Stable**, Twenty-fourth and Ritner streets, Philadelphia. Architect, Philip H. Johnson, 1713 Sansom street, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, City Hall. Brick and concrete, limestone, granite and terra cotta, fireproof, 52½x46 feet, 1 story, 96x98 feet, 46x52½ feet, wing 46x103 feet, stone foundations, slate roof, cork brick, terrazzo, marble, tile, granolithic and wood block and wood floors (electric lighting, steam heating, plumbing reserved), marble and terrazzo work, metal lockers, iron stairs, ornamental iron work, metal lath, safety treads, metal window guards metal weatherstrips, waterproofing, dampproofing, wire screens, wire work. Architect taking new bids, due January 28th. Edw. Fay & Son, 2 South Mole street; Frank G. Stewart, 1619 Sansom street; Wm. Linker Co., 831 Cherry street; Wm. R. Dougherty, 1610 Sansom street; Wm. Steele & Sons Co., Sixteenth and Parkway; Ketcham & McQuade, 1029 Brown street; W. W. Anstine & Co., Sibley Building; F. W. Mark Cont. Co., Finance Building; Mitchell Bros., 2125 Race street; H. E. Baton, 1713 Sansom street; Warren-Moore Co., Denckla Building; Standard Cons. Co., 1713 Sansom street; John N. Gill & Co., Otis Building, are figuring.

**Moving Picture Theatre and Stores**, North Philadelphia. Architect, Reuben Beard, 2349 North Woodstock street, Philadelphia. Owner's name withheld. Reinforced concrete, tile, tapestry brick, 1 story and balcony, 60x130 feet, slag roof, stone foundations, electric lighting, unit system of heating, tile work, kalamein doors, ornamental plastering, flush bulks, cement floors, metal lath, hollow tile, roof ventilators, metal ceilings, dampproofing and waterproofing, brass rails, steel beams, Marquise. Plans in progress. Architect will be ready for bids in about one month.

**Residences (97)**, Seventh, Franklin and Eighth street, between Wyoming avenue and Loudon street. Architect, Peter Kuhn, 3058 North Eighth street, Philadelphia. Owner, Charles F. Fichtner, Westmoreland and Hancock streets, Philadelphia. Brick and stone, 2 stories, size of lot 15x69 feet, slag and tin roofs, stone foundations, hot water and steam heating, combination lighting, tile work, hardwood (chestnut and yellow pine) floors, garages with corner houses. Plans completed. Owner is ready for sub-bids on all lines.

**Residences (12)**, Forty-fourth and Parkside avenue, Philadelphia. Architect, J. Ethan Fieldstein, Penfield Building, Philadelphia. Owner, Abraham Sonnenfeld, 287 Cobb's Creek Boulevard. Brick and stone, 2 stories, 16x56 feet, slag roof, hot water heating, electric lighting, tile work, hardwood floors. Plans about completed.

**Store and Dwelling (alts. and add.)**, 745 S. Second street, Philadelphia. Architect, J. Ethan Fieldstein, Penfield Building, Philadel-

phia. Owner, Mrs. Jennie Goldsmith, on premises. Brick, 3 stories, 19x100 feet, slag roof, stone foundations, steam heating, electric lighting, tile and marble work, hardwood, maple and cement floors, metal ceilings. Owner is taking bids. Frank Lucci, 1603 Ellsworth street; M. Cylinder, 521 Mifflin street, and M. Kirshner, 421 Snyder avenue, are figuring.

**Garage**, 1321 North Marvine street, Philadelphia. Architect, J. Ethan Fieldstein, Penfield Building, Philadelphia. Owner, Frank Margolla, 1320 North Eleventh street, Philadelphia. Brick and concrete, 1 and 2 stories, 79x20 feet, wing 61x45 feet, slag roof, concrete floors, hollow metal skylights, millwork, yellow pine floors, steel beams. Architect has received bids.

**Bank (alts.)**, 410 South street, Philadelphia (South Philadelphia Branch). Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, People's Bank, Seventh and Girard avenue, Philadelphia. Brick and concrete, steam heating (electric lighting fixtures, vault doors reserved), steam heating, electric lighting, tile, marble and terrazzo work, metal lath, ornamental iron work, wire work, cold water paint. Architect has received bids.

**Additional Emergency Hospital Buildings (6)**, at U. S. Naval Hospital Reservation, Spec. 3687, Gray's Ferry Road, Philadelphia. Architect, private plans. Owners, U. S. Government, care of C. W. Parks, Chief, Bureau of Yards and Docks, Navy Department, Washington, D. C., or Commandant of Fourth Naval District, Twelfth and Chestnut streets, Philadelphia. Observation Ward, Officers' Hospital and Subsistence Building, Ward Buildings, Garage and Greenhouse, hollow tile, stucco, brick, steel and reinforced concrete, 2 stories, various sizes, covering 38,500 square feet area, concrete foundations, steam and hot water heating, electric lighting, ready and slate roof, composition, cement and yellow pine floors, hollow tile, metal lath, rolled steel sash, galvanized iron skylights, fire and kalamein doors, roof ventilators, metal window guards, waterproofing, dampproofing, refrigerators, kitchen equipment, dumbwaiters, wire work. Owners taking bids, due February 3rd at 11 A. M. Warren-Moore Co., Colonial Trust Building; Cramp & Co., Denckla Building; M. H. McCloskey, Jr., 1620 Thompson street; Wm. R. Dougherty, 1610 Sansom street; Melody & Keating, 1322 Race street; Wark & Co., 1737 Filbert street; Irwin & Leighton, 126 North Twelfth street; F. A. Havens Co., 845 North Nineteenth street; F. W. Mark Cont. Co., Finance Building; George F. Pawling Co., 1432 South Penn Square; Wm. Steele & Sons Co., Sixteenth and Parkway; Edw. Fay & Son, 2 South Mole street; Turner Concrete Steel Co., 1713 Sansom street; Ketcham & McQuade, 1029 Brown street; Wills-Ludwick Co., 1706 Sansom street, Philadelphia; Nugent Cons. Corp., 505 Fifth avenue, New York, are figuring.

**Store Building**, Woodlawn and Germantown avenues. Architect, A. H. Savery, Stephen Girard Building, Philadelphia. Owner, care of Carl Helmetag, 5909 Germantown avenue. Brick work, changing store into real estate office, mill work, steam heating, electric lighting, slate work, plastering, structural iron, painting. Owner taking bids, due as soon as possible. Wm. J. Gehler Co., 219 East High street, and Charles Johnson, 5701 Boyer st., are figuring.

**Apartments (5) and Store**, Seventeenth and Norris streets, Philadelphia. Architect, Le Roy K. Rothschild, 1225 Sansom street, Philadelphia. Owner, A. F. Schaeffer, 1603 Norris street, Philadelphia. Changing present building into store and apartments, brick work, steam heating, electric lighting, maple floors, tile work, gas ranges, flush bulks. Plans about completed. Architect will be ready for bids in a week.

**Bank (add.)**, Fifth and Passyunk avenue, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owners, State Bank of Philadelphia, on premises. Stone and brick, 1 story. Plans in progress. Too early for details.

**Garage**, Cayuga street, between Fifteenth and Sixteenth streets. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, Fox Bros., care of architect. Brick, 1 story, 50x200 feet, slag roof (wood trussed), 2-inch planking, cement floors, stone and concrete foundations, steam heating, electric lighting, terra cotta coping, structural steel, hollow metal skylights, steel rolling doors, plate glass. Plans about completed. Architect will be ready for bids in ten days.

**Store and Dwelling**, 821-23 South Second street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, J. Levin, 819 South Second street, Philadelphia. Brick, 3 stories, 21x64 feet, slag and canvas roof, yellow pine and composition floors, stone foundations, electric lighting, tile work, hot water heating, flush bulks. Owner will be ready for bids in one week.

**Store and Dwelling (alts.)**, 2744-46 North Front street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, Mrs. Anna Stein, 2732 N. Front street, Philadelphia. General interior alterations, cabinet work, oak floors, combination lighting, tile work, metal ceiling, flush bulks, galvanized iron work (heating reserved). Plans completed. Owner is ready for bids.

**Pier**, Kenilworth street, Philadelphia. Architect, private plans. Owners, City of Philadelphia, Department of Wharves, Docks and Ferries, 522 Bourse Building, Philadelphia. Single Deck Pier and Offices, wood piles, concrete foundation, concrete and steel superstructure, 120x500 feet, A. P. M. roof, steam heating, electric lighting, hollow metal sash,

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**Piers (2),** 82 and 84 South Wharves, Philadelphia, Wolf and Ritner streets. Architect,

private plans. Owners, City of Philadelphia, Department of Wharves, Docks and Ferries, 522 Bourse Building, Philadelphia. Plans completed. Owners will advertise for bids in a few days.

**Residence (alts.),** Elkins Park, Pa. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Harry B. Hirsh, 2215 Green street, Philadelphia. Tile and marble, oak floors, shingle roof (lighting, heating and painting reserved). Architects taking bids, due January 23rd. Lam Building Co., 1001 Wood street; Wm. R. Dougherty, 1610 Sansom street; Specht & Sperry, Heed Building; W. John Stevens, Inc., Wyncote, Pa.; Fred Elvidge & Sons, 5522 Germantown avenue, and Wm. J. Guhler Co., 219 East High street, are figuring.

**Farm Buildings (alts. and add.),** Lionville, Chester County, Pa. Architect, F. G. Caldwell, Stephen Girard Building, Philadelphia. Owner's name withheld. Stone, miscellaneous repairs. Plans in progress. Too early for details.

**Residence (add.),** Harrisburg, Pa. Architect, Albert C. Kelsey, Perry Building, Philadelphia. Owner, H. B. McCormick, Harrisburg, Pa. Brick and stone, 1 story, 24x50 feet, slag roof, stone foundations, steam heating, electric lighting, concrete and marble floors, marble work. Plans completed. Architect will be ready for bids in one week.

**Post Office, Sunbury, Pa.** Architect, Jas. A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Brick, reinforced concrete and stone, terra cotta, 1 story, 88x66 feet, composition and tin roof, concrete foundations, steam heating, electric lighting, marble and terrazzo work, cement floors, metal lath, safety treads, metal weatherstrip, ornamental iron work, waterproofing, dampproofing, wire work. Owners have received bids.

**Post Office, McKees Rock, Pa.** Architect, Jas. A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, care of Treasury Department, Washington, D. C. Brick, steel, reinforced concrete and granite, 1 story, basement, mezzanine, 72x58 feet, composition roof, concrete and yellow pine floors, steam heat, electric light, marble and slate work, metal lath, safety treads, metal weatherstrips, kalamein doors, dampproofing. Lowest bidder, Hinland Const. Co., Detroit, Mich., \$75,626.

**Residence (alts. and add.),** Wyomissing, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading Pa. Owners, Textile Machine Works, Wyomissing, Pa. Vapor heating, electric lighting, hardwood floors. Consists of changing residence into offices and apartments. Plans in progress.

**Residence,** 4 miles from Reading, Pa., \$3,000. Architect, W. A. Fink, 426 Franklin st.,

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Church and Guild (alts. and add.),** Second street and West Tabor Road, \$20,000. Architect, private plans. Owners, St. Alban's Protestant Episcopal Church, on premises. Stone, 1 story, 12x20 feet and 13x20 feet, slate roof, stone foundations, steam heating, electric lighting, oak floors. Contract awarded to Pomeroy Const. Co., 1609 Ranstead street.

**Post Office Building (alts.),** 116-122 South Second street, Philadelphia. Architect, private plans. Owner, J. Wallace Hallowell, Broad street, below Chestnut. Interior and exterior alterations. Contract awarded to Doyle Co., 1519 Sansom street, Philadelphia.

**Factory (alts.),** northeast corner of American and Dauphin streets, \$2,000. Architect, private plans. Owners, Abram Cox Stove Co., on premises. Belfry, concrete and steel. Contract awarded to H. E. Baton, 1713 Sansom street, Philadelphia.

**Packing House (alts.),** 425-29 Fairmount avenue, \$1,200. Architect, private plans. Owners, H. C. Derby Co., on premises. Smoke house, brick and concrete, 2 rooms, 4½x10 feet. Contract awarded to J. Sims Wilson & Co., 1125 Brown street.

**Hotel (fire repairs),** Wissahickon Drive and Ridge avenue, \$4,000. Architect, private plans. Owners, John Dobson Estate, 809 Chestnut street, Philadelphia. General fire repairs. Contract awarded to E. C. Keefer & Son, 1321 Rodman street.

**Building (fire repairs),** 3132 Market street, \$3,280. Architect, private plans. Owners, Jas. Brennan Estate, on premises. General restoration after fire damage. Contract awarded to John Welsh, 138 North Seventeenth street.

**Restaurant (alts.),** fifth floor, Eighth and Market streets, \$10,000. Architect, private plans. Owners, Lit Brothers, Eighth and Market streets, Philadelphia. Tearing up concrete floor, mill work, plastering, painting, terrazzo floor. Contract awarded to Lam

Building Co., 1001 Wood street, Philadelphia.

**Storage Building (add.),** 3305-07 Melon st., Philadelphia, \$3,500. Architect, private plans. Owner, James J. Gault, 204 North Twenty-second street, Philadelphia. Brick, 1 story, 60x40 feet, 16x40 feet and 13x23 feet, slag roof, steel rolling shutter. Contract awarded to E. E. Hollenback, Inc., 1804 Brandywine street.

**Hospital Building,** Naval Home, Twenty-fourth and Gray's Ferry Road. Architect, private plans. Owners, American Red Cross, Seventeenth and Walnut streets, Philadelphia. Hollow tile and concrete, 1 story, 82x22 feet, ready roof, wood floors, steam heating, electric lighting. Contract awarded to Melody & Keating, 1322 Race street.

**Office (add.),** northeast corner of Nixon and Leverington streets, \$1,000. Architect, private plans. Owners, Simister Mills Co., on premises. Brick, 1 story, 15x15 feet, slag roof, electric lighting. Contract awarded to E. L. Cuthbertson, 334 Roxboro avenue, Roxboro, Philadelphia.

## Pennsylvania Construction News

**Residence,** Drexel Hill, Delaware County, Pa. Architect, Edwin Grant Rorke, Drexel Hill, Pa. Owner, Mr. Kressler, care of architect. Brick and rough cast, 2½ stories, 44x34 feet, tile roof (vacuum heating, electric lighting and hardwood floors reserved), tile work, concrete foundations (finished hardware, plumbing, gas fitting, lighting fixtures vacuum cleaner equipment reserved). Architect taking bids, due January 22nd. F. B. Davis, 240 North Sixteenth street, and F. E. Wallace, 1220 Chancellor street; John M. Yardley, 1618 Sansom street, are figuring.

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Reading, Pa. Owner, Wm. F. Walters, 907 Buttonwood street, Reading, Pa. Stucco, 2½ stories, 25x25 feet, Carey's roof, stone foundations, electric lighting, tile work, hardwood floors, hollow tile. Plans about completed. Owner will take sub-bids in about two weeks.

Residence, 207 South Ninth street, Reading, Pa. Architect, W. A. Fink, 426 Franklin st., Reading, Pa. Owner, Solomon Newmark, 238 South Sixth street, Reading, Pa. Brick and stone, 3 stories, 12x80 feet, tin roof, hardwood floors, stone foundations, electric lighting, tile work, plumbing. Plans in progress. Architect will take sub-bids in one week.

Public Garage, 1007 Penn street, Reading, Pa. Architect, A. F. Smith, 1029 Penn street, Reading, Pa. Owner, Harry Smith, Pottstown, Pa. Brick, 1 and 2 stories, 35x272 feet, electric lighting, cement floors. Owner taking bids. Beard Const. Co., Raudenbush, and Daniel Hunter, all of Reading, are figuring.

Garage and Apartment, Tenth and Penn streets, Reading, Pa. Architects, Muhlenberg Bros., 511 Penn street, Reading, Pa. Owners, Geissler Bros., 730 Penn street, Reading, Pa. Stone, 3 stories, 24x120 feet. Plans in progress.

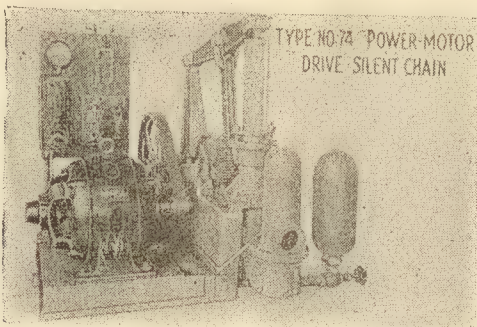
Public Garage, Sixth and Elm streets, Reading, Pa., \$10,000. Architect, C. J. Young, 249 Jameson Place, Reading, Pa. Owners, G. & C. Eisenbrown, 300 North Sixth street, Reading, Pa. Brick, 2 stories, 40x136 feet, gasoline storage system. Plans completed. Will take bids in a few days.

Orphanage, Hazleton, Pa., \$200,00. Architect, R. A. Schuman, 932 Lamberton street, Trenton, N. J. Owner's name withheld. Stone and brick, 5 stories, 150x60 feet. School (8 rooms), Auditorium, Recreation Hall, Dormitory, Sisters' Quarters, concrete foundations, steam heating, electric lighting, tile roof, hollow tile, tile and terrazzo work, roof ventilators, metal window guards. Architect taking bids. Beard Const. Co., Reading, Pa., are figuring.

Post Office (alts.), West Chester, Pa. Architect, Jas. A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, care of custodian of U. S. Public Building, West Chester, Pa. General repairs and restoration of mailing platform. Specifications may be obtained from custodian of site.

Post Office, Phoenixville, Pa., \$43,500 (building and site). Architect, Jas. A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, care of Supervising Architect, Washington, D. C. Brick, stone and concrete. Plans in progress.

Hospital Buildings, Blairsville, Pa. Architect, George S. Idell, 34 South Seventeenth street, Philadelphia. Owners, Western State



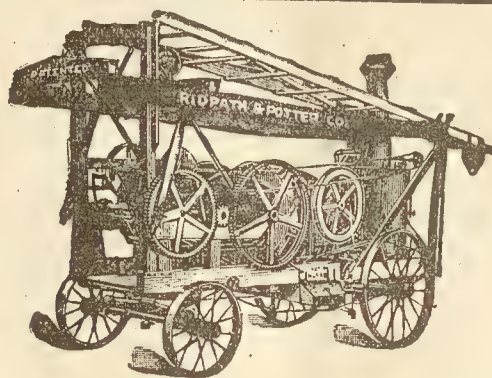
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Hospital for Insane, Blairsville, Pa. Brick, stone and concrete. Preliminary sketches drawn. Too early for details.

Post Office, Franklin, Pa. Architect, Jas. A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, care of Supervising Architect, Washington, D. C. Brick, reinforced concrete, granite and terra cotta, 1 story and basement, 67x55, two wings, 40x52 feet, composition roof, concrete foundations, steam heating, electric lighting, tile, marble and terrazzo work, metal lath, safety treads, metal weather strips, rolling steel doors, dampproofing, ornamental iron work. Lowest bidder, W. J. Brent, Norfolk, Va., limestone, \$94,972; sandstone, \$96,372.

Signal Tower, Sunbury, Pa. Architect, Samuel T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading R. R. Co., Reading Terminal, Philadelphia. Brick and concrete, 2 stories, 13½x37 feet, slate roof, concrete floors, concrete foundations, hot water heating, electric lighting, fire and hollow metal doors, ornamental iron work. Owners taking bids, due January 31st. H. E. Baton, 1713 Sansom street; F. A. Havens Co., 845 North Nineteenth street; F. W. Van Loon, Denckla Building; A. L. Carhart, Penfield Building, Philadelphia, are figuring.

## Pennsylvania

### Contracts Awarded

Cottages (6) and Passages, Sanatorium at Hamburg, Pa., \$345,200. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, Commonwealth of Pennsylvania, care of B. Franklin Royer, M. D., Acting Commissioner of Health, 1900 Race street, Philadelphia. Brick, reinforced concrete, terra cotta, A and D, 2 stories and basement, 179x25 feet, wing 35½x34 feet; E and F, 161x25 feet, wing 53½x34½ feet, B and C, 174x25 feet, wing 35½x34½ feet, asbestos shingle roof, concrete and canvas floors, metal lath, concrete foundations, slate work, hollow metal sash and skylights, safety treads. Contract awarded to Edw. Fay & Son, 2 South Mole street, Philadelphia.

Office Building (alts. and add.), Chester, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Tele-

phone Co. of Penna., 17th and Arch sts., Philadelphia, Pa. Fireproofing, carpentry, plastering, painting, glazing, kitchen equipment, cement and wood floors, electric lighting, marble work. Contract awarded to F. L. Hoover & Son, 1023 Cherry street, Philadelphia.

Hotel (add.), S. Hanover street, Carlisle, Pa., \$35,000. Architect, private plans. Owners, Carlisle Chamber of Commerce, South Hanover street, Carlisle, Pa. Brick, 1 story, stone foundations, heating extension, electric lighting, tile, marble and terrazzo work, hollow metal skylights, fire escapes, slag roof, tile floors, interior alterations. Contract awarded to D. E. Brindle, North street, Carlisle, Pa.

## Miscellaneous

### Construction News

Storage Building, Broadway and Fairview street, Camden, N. J. Architect, private plans. Owners, New York Shipbuilding Co., Camden, N. J. Stucco, 1 story, 48x70 feet, rubberoid roof. Contract awarded to Fraser Brace & Co., 1328 Broadway, New York City.

Hotel, Canton, Ohio. Architects, Price & McLanahan, Bellevue Court Building, Philadelphia. Owners, Pennsylvania R. R. Co. (Lines west of Pittsburgh), care of R. Trimble, Chief Engineer of Construction, Pittsburgh, Pa. Brick and concrete, 3 stories, 360x32 feet, composition roof, oak and yellow pine floors, steam heating, electric lighting, tile, marble and terrazzo work, metal lath. Plans completed. Owners will take bids in two weeks.

Office Building, Arch, Federal and Sixth streets, Camden, N. J. Architect, Joshua C. Jefferies, 1001 Chestnut street, Philadelphia. Owner, Raymond L. Warren, 522 Market st., Camden, N. J. Brick and glass, 3 stories, 20x51x8 feet, slag roof, hot water heating, electric lighting, hardwood floors. Plans in progress.

Store Building, North Broad street, Trenton, N. J. Architect, Wm. Klemann, First National Bank Building, Trenton, N. J. Owner, Wm. E. Green, North Broad street, Trenton, N. J. Brick, 2 stories, 93x28 feet, stone foundations, electric lighting. Plans in progress.

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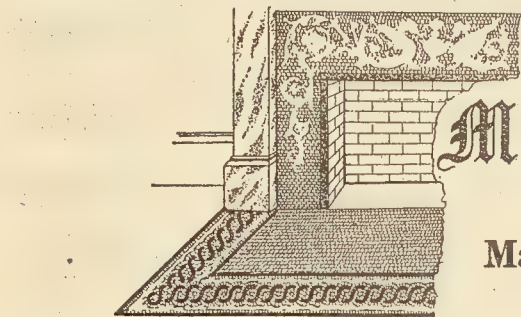
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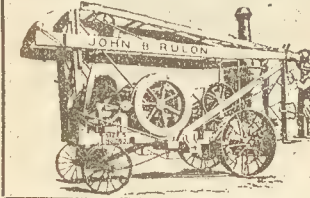
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## Maryland

### Construction News

Residence, near Towson, Md. Architect, W. M. Gieske, Gunther Building, Baltimore, Md. Owner, W. Gill Smith, Second National Bank Building, Towson, Md. Frame, 2½ stories, slate roof, hot water heating, electric lighting, plastering, painting, tile work, hardwood floors, refrigerators. Architect taking bids. W. E. Harn & Co., A. Knell, Jr., J. L. Black, 526 Ravenswood street, all of Baltimore, Md.; O. C. Hook, Riderwood, Md., and J. A. Horn, Towson, Md., are figuring.

## Maryland

### Contracts Awarded

Factory Building (add.), 1139-47 Low street, Baltimore, Md. Architect, Otto Kubitz, Baltimore, Md. Owner, Wm. H. Hofferbert, on premises. Brick, 2 stories, slag roof, electric lighting, steel sash, hollow metal doors, hollow metal skylights, roof ventilators, fireproofing, dampproofing, tile and terrazzo work, composition floors, plumbing, painting, steel and iron work. Contract awarded to Consolidated Eng. Co., Calvert Building, Baltimore.

Apartment House, Summerset Road and Roland avenue, Baltimore, Md. Architect, T. W. Pietsch, American Building, Baltimore, Md. Owner, Harold C. Hann, care of Savings Bank of Baltimore, Md. Brick, timber and stucco, 3 stories, slate roof, steam heating, electric lighting, hollow metal skylights, ventilators, tile and terrazzo work, hardwood floors, dumbwaiters, vacuum cleaners, refrigerators, plumbing, plastering, painting, reinforced concrete work. Contract awarded to W. E. Harn & Co., 2324 Oak street, Baltimore, Md.

Hospital Buildings, No. 7 Garrett Tract, between York Road and Charles street avenue, \$100,000. Architect, private plans. Owners, U. S. Government, care of Lieut.-Col. James Bordley, on site. Frame, composition roof, electric lighting, plumbing, steam heating. Contract awarded to J. Henry Miller, Inc., Eutaw and Franklin streets, Baltimore.

Garage, 321-27 Madison street, Baltimore, Md. Architect, private plans. Owner, J. J. Dubblede, 748 North Howard street, Baltimore, Md. Brick, 1 story, 56x70 feet, slag roof, cement floors, steam heating, electric lighting, hollow metal skylights, hollow tile, slate work, structural steel and iron work, plumbing, plastering, painting. Contract awarded to Thos. L. Jones & Son, 418 West Saratoga street.

## PERMITS FOR

## Alterations and Additions

O is the abbreviation for owner. C is for contractor.

## Philadelphia

Stable, southwest corner of Sixth and Washington avenue, \$1,500. Morris Sussman (O), 3235 North Montgomery avenue. Brick, 1 story, 16x29½ feet.

Store and Dwelling, 1814 South Ninth street, \$700. Wm. De Pachie (O), on premises. P. Campori (C), 1540 Dickinson street. Brick, 2 stories, 16x9 feet.

Store and Manufacturing Building, 839 Market street, \$3,000. John Dobson Estate (O), 809 Chestnut street. Blot & Baust (C), New York City.

Store, 920 Market street, \$3,000. Dannenbaum Bros. (O), New York City. John M. Yardley (C), 1716 Sansom street.

Store and Dwelling, 1213 North Twenty-eighth street, \$300. Geo. A. Nahm, agent (O), 2736 Girard avenue. F. I. Wintz (C), 1618 N. Twenty-seventh street.

Raising Frame Building, 8303 Frankford avenue, \$300. Thomas Gogliardi (O), 2848 Solly street. Holmesburg Concrete Co. (C), Crispin avenue.

Restaurant, 5138 Market street, \$950. W. Le York (O), 5138 Market street. Harry Sodjian (C), 1585 North Fifty-second street. Brick, 2 stories, 15x7½ feet.

Factory, 21 South Seventh street, \$2,185. Walls Ownes Co. (O), Eleventh and Hamilton streets. A. H. Spenard (C), 822 Wood street.

Bank and Apartments, northeast corner of Broad and Lombard streets. Brown & Stevens (O), 427 South Broad street. J. F. Trent (C), 2041 Master street. Remodeling, brick and marble front, cabinet work, electric fixtures, vault and safe, \$10,000.

Office and Storage, 313-15 North Third st., \$5,000. Janney & Burroughs (O), on premises. Irwin & Leighton (C), 126 N. Twelfth street. Brick and concrete, 3 stories, 85x18 feet, slag roof, electric lighting, wood floors.

Warehouse, northeast corner of Hancock and Pollock streets. American Stores Co. (O), Fourth and Noble streets. New elevator shaft and foundations, \$2,000.

Store and Dwelling, 2841 North Fifth st., \$800. S. Krowitz (O), on premises. L. Fine

(C), 815 North Marshall street. Brick, 1 story, 11x11 feet.

Dwellings (2), 5234-36 Parkside avenue, \$1,600. Sophie Elgart (O), 1617 North Fifty-second street. Interior alterations and front porches.

Hotel, southeast corner of Wissahickon Drive and Ridge avenue, \$4,000. John Dobson Estate (O), 809 Chestnut street. E. C. Keefer & Son (C), 1321 Rodman street. Fire repairs.

Factory, northwest corner of Turner and Stewart streets, \$1,200. O'Neill Bros. (O), on premises. Otto M. Dahlin (C), northwest corner of Howard and Turner streets. Dig out cellar and underpin foundations, steel supports for two hot water tanks on third floor.

Packing House, 425-29 Fairmount avenue, \$1,200. H. C. Derby Co. (O), on premises. J. Sims Wilson Co. (C), 1125 Brown street.

Factory, northeast corner of American and Dauphin streets, \$2,000. A. Cox Stove Co. (O), on premises. H. E. Baton (C), 1713 Sansom street.

Garage, 218 East Haines street, \$40. M. Vescardi (O), on premises. V. Stabiliti (C), 259 East Haines street.

Store, northeast corner of Ridge avenue and Gates street, \$500. Roxboro Land Co. (O), on premises. H. H. Hayes (C), 6830 Ridge avenue.

Store, 703 Girard avenue, \$900. Goldstein, Gorman & Herback (O), on premises. Lam Building Co. (C), 1001 Wood street.

Stable, 114-16 Naudain street, \$2,500. B. Latinsky (O), on premises. Interior and exterior alterations, slag roof.

Battery and Toilet, 810 Dauphin street, \$750. P. R. T. Co. (O), 810 Dauphin street. Concrete roof and alterations.

Baths, 315 Monroe street, \$600. A. Kratchman (O), 323 Monroe street.

Dwelling, 2318 South Eleventh street, \$300. A. Cohen (O), on premises. Removing frame walls, replace with brick, alterations.

Storage Building (add.), 3305-07 Melon st., \$3,500. J. J. Gault (O), 204 North Twenty-second street. E. E. Hollenback, Inc. (C),

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1804 Brandywine street. Brick, 1 story, slag roof.

Fire Repair Damage, 3132 Market street, \$3,280. J. Brennan Estate (O), on premises. John Welsh (C), 138 North Seventeenth street.

Factory (alts.), northwest corner of Gaul and Letterly streets, \$600. Cattie Bros. (O), on premises. Frank Achuff (C), 1600 North Front street.

Store and Dwelling (add.), 1355 Germantown avenue, \$300. Edw. Bakst (O), on premises. A. Rubin (C), 1127 Thompson street. Brick, second story addition, 13x17 feet.

Dwelling, 1507 North Nineteenth street, \$300. Miss Louisa A. Daly (O), 1540 North Nineteenth street. Three bath rooms.

Store, 305 South street, \$1,000. F. Landsburg (O), 714 South Third street. J. N. Shunkler (C), 1968 North Stanton street. Alterations.

Dwelling 1234 North Eighteenth street, \$400. Mrs. Joseph P. Quinn (O), 1232 North Eighteenth street.

Store, 3160-62 Kensington avenue, \$500. M. Rock, Jr. (O), 832 East Allegheny avenue. W. A. Bottoms (C), I street.

Store and Dwelling, 4916 Baltimore avenue, \$795,000. J. B. Coulter, agent (O), 914 St. Girard Building. F. I. Wintz (C), 1618 North Twenty-seventh street. Fire repairs.

### INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 20, 1919.—Sealed Proposals will be opened in this office at 3 P. M. February 10, 1919, for a heating boiler, hot water tank, etc., for the Hospital Unit, Type "A," at the United States Marine Hospital at New York, N. Y. (Stapleton), in accordance with drawing and specifications, copies of which may be had at this office or at the office of the Superintendent, New York, N. Y., in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

### AS THE EDITOR SEES IT.

(Continued from Page 44.)

for the people of Massachusetts, but for the country. The substance of his message follows:

"Men entrusted with the grave responsibility of managing the business affairs of Massachusetts are now called on to decide whether they will continue their activities as usual or wait to see if there is a decline in prices. No doubt there will be a decline in some directions. The public question now is how best to proceed for the general welfare. It seems clear that a gradual decline would be preferable to a perpendicular fall in prices. It should be remembered that prices of labor and materials are all relative. When once adjusted the amount is not of great importance. There are two things to do. One is to wait; the other is to go on with business activity. If everybody waits there no doubt will be a perpendicular fall with attending want, distress and calamity. If people will go ahead with business, while there may be a gradual decline, it can be borne with the least inconvenience.

"I realize that business is and ought to be conducted for profit. Still, there is not only the duty, but the expediency of keeping the working force, the organization, in dull times. We have all worked together to win the war. Let us all work together to enjoy the blessings of peace. The working people of Massachusetts, her most valuable possession, must be considered and they must be maintained.

"Instead of being the sport of chance, Massachusetts ought to be the master of destiny. Instead of waiting, we should act. Government has released raw materials, labor and transportation. There is plenty of money, which makes a demand for merchandise. There ought to be no lack of a disposition to act, no lack of enterprise.

"The question is where to begin. A committee working with our board of

labor and industries suggests the revival of building. This industry has been at a standstill for the past two years. It is in its nature basic. A contract for any kind of building at once makes the opportunity for other contracts for steel, cement, bricks, lumber, plumbing, steam heating, electrical equipment, and all other materials required in construction. This would mean the employment of large numbers of people in various factories manufacturing these materials.

"In this the various agencies of government ought to take the lead. It is therefore urged that all the departments in the commonwealth, counties, cities and towns should start the foundations, at least, for school houses, hospitals, libraries, police and fire department headquarters, bridges and other public buildings. There are many of these operations partially completed, and many others for which plans have been drawn and money appropriated. If public construction begins, private construction will soon follow us as the increase in population requires more housing facilities. There is also much construction work on the rail roads of New England which the roads themselves and the national government should be urged to begin at once.

"The material resources of the community must be used for the benefit of the people of the community. Such use is the only thing that gives them value, and the only warrant for their existence. Unless this is done by private enterprise, it will have to be done through the taxing power and otherwise, for the purpose of relieving the suffering caused by unemployment. Every facility is at hand for an era of great prosperity. What is needed is the courage to act. In the exhibition of that courage the government agencies must take the lead."

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### POSSIBILITIES OF THE LITTLE HOUSE

It is regrettable that so few home owners, or home-builders know *good doors*. Not for a day, a month, or a year, but for a lifetime do people have to live with the doors which they select, or decide to have in their homes.

In this regard, we would advise every one who contemplates building a modern cottage of modest size and cost, to study a few door characteristics which, if known and observed will avoid mistakes, effect a saving and insure permanent satisfaction. The door is the index to the character of every home, and no other single feature in the home makes such a deep and lasting impression as the door, the first detail noticed on entering, the last thing seen on leaving, and the most prominent feature of rooms, some of which have as many as four or five doors. It has been said that, "No home is better than its doors." Be that as it may, we do know that it is of the utmost importance that both the exterior and interior doors of the modern individual home of modest size, should be perfect in every particular.

Architects know how many people are willing to sacrifice principles of beauty and fitness in selection of doors for something that for the moment is "the style" and they want that, forgetting that such architectural features cannot be changed each year as we are prone to do with wall decorations, draperies, etc.

Of all the various parts entering into building construction none is subject to such vigorous service as the door. Doors must withstand the blasts of winter, the scorching rays of summer sun, the furious onslaught of snow and rain and the changes from dry artificial heat in winter to excessive humidity in summer. And when your architect specifies a door which will meet these conditions, and assures you that, that special make, or kind of door, will stand the test that tells, do not be so foolish as to substitute another type of door simply because it is "cheaper."

The only perfect safeguard against such errors in judgment is, that, before you build, make it your special business to know "good doors"; then when your

architect hands in his specifications, with plans, you will decide with confidence and correctness. Aside from the question of appropriateness and durability of exterior doors, is that of "distinction or individuality"—that tantalizing, elusive will-o'-the-wisp that all men and women crave and few attain, when it falls to them to select the doors for a new home.

Interior doors are even more important in their relation to the general success of modern homes than exterior doors.

Then, too, in their relation to the general decorative scheme they very materially affect the appearance of your wall and window hangings, the appearance of your furniture; floor coverings, in fact, are often the keynote to the decorative treatment of a room, or several rooms which are connected either by single or double doors.

No question will be of greater importance to you if you are planning to build a home, than that of suitable doors for the interior of the house. Much valuable time, money and annoyance would be saved in this one great item of home-building if owners would only give it deeper thought, study and care, and not be governed by prevailing fads and fancies which come and go in which "doors" are good or bad, at will of a whimsical people, which, in a great degree, controls architectural detail.

A competent architect may generally be dependent upon to work out these details correctly and to specify the right style of door for individual houses if he is requested or permitted to do so by the owner.

The fate of the door in American home-building has been an interesting and peculiar one.

An eminent student of architecture has said of the "door," "Had the other chief features of the house, such as windows, fireplaces and stairs been pursued with the same relentless animosity by architects and decorators, we would no longer be living in houses at all." This has been especially the fate of the inside doors. About a half century ago the door that slid into the wall was looked

upon as the model of up-to-date and perfect house door. Many subsequent improvements, caused this improvement in doors to be generally adopted as a favorite method for closing large openings between adjoining rooms.

The value of large closable openings between rooms had long been recognized with the advent of the "sliding door"—it was especially necessary to have some substantial, practical means for closing such openings, in cold weather, for at that time even large houses were heated by means of open fires and stoves which made it quite essential that heat be conserved by closing one big room off from another.

With the establishment of a system of turnace heating for homes where all rooms might be heated uniformly, many people who had accepted the heavy sliding door as a necessity only, quickly eliminated it, substituting the more decorative and whimsical styles of openings between rooms in which doors were not considered an essential part. This was all very well when rooms were big, and houses were built with many more rooms than were actually used each day by the family.

But, the average modern American house has been growing less expensive and pretentious, and with the elimination of all unnecessary cost in building, has come a new demand for some substantial, but artistic method for closing the openings between rooms so that more privacy may be secured in the smaller houses.

It had long been a custom in America to use doors made of glass, where an opening six or seven feet high, with its sill on the floor, opening upon a terrace, or into a "summer-parlor"—it is called a French window, almost universally used in France and beautiful for any exit that "gives" as the French express it, on lawn or veranda.

We believe that one of the most practical, and at the same time artistic applications ever made of the "French window," has been that which American architects have adapted as doors to the openings between rooms in modern cottages of modest cost, as well as the larger and much more dignified and elegant homes. When they were first introduced in our American homes—

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First, the "French door," as it now is called, is sufficiently decorative to please the majority of women.

Second, it has in a great degree restored an appreciation of the architectural lines of a room, and has given to the treatment of openings, something of the attention which architects once gave to well-made door-ways, which, for a time, almost disappeared—as this one feature of the architect's best work passed into the hands of the upholsterer—who hung the openings between rooms with portiers of tremendously fanciful types, which for years caused the fashion for "display" of stuffs about the doorway, thus, substituting a textile architrave or one of wood.

There is really no need for hanging even simply, decorative portieres, where French doors are used as openings; yet it is done and is likely to become a much abused fad. We speak more especially in relation to "Little Houses" where less of formality and luxury is supposed to exist. We do, however, urge, or advise, the use of handsome silk curtains of plain neutral color, hung in the artistic French style, covering a little more than three-fourths of the door length of the glass portion of the door; these may have applied inserts of heavy lace in form of panels, or borders, providing the room is handsomely furnished; but, if your wall decorations and room furnishings are simple, the plain silk French curtain is best for inside glass doors between rooms.

Privacy would seem to be one of the requirements of civilized life; yet it is only necessary to observe the planning and arrangement of the average small house to see how this has been disregarded.

We seem to forget, or do not care to apply the truth that each room in a house has its individual uses.

If the living room is to be a part of the hall, and the dining-room a part of the library, all three will be equally unfitted to serve their special purpose. Much of this comes from our willingness to sacrifice a certain kind of comfort to the "effects" obtained by wide openings and extended "vistas." The clever use of "French doors," in a very great degree, gives us the assurance that our home-loving men and women are going back to the individualized room, set apart, when need be, or opened up in friendly relation to others when occasion arises for same to be made manifest—used so extensively in American homes.

We have seen many beautiful houses, which had been built with large openings between rooms and draped until it

was not possible to find a bit of wood-work anywhere about the opening—transformed by the substitution of "French doors."

The upholstered work was abolished, and common sense replaced the dust catching and germ breeding mass of drapery by the sanitary glass door, and the whole atmosphere of the house was changed.

The only fear which we have concerning this modern adoption, this one of the oldest and best styles in doors, is, that it will become common and be used with so little judgment by speculative and other small house builders, as to kill the popular use of the "French door" by the better class of home-builders.

In France, a style is never made so ordinary as to cause it to become cheapened in appearance, and finally fall into disfavor and disuse.

In America, if a "French door" can be manufactured cheaply enough, it will be used in the common type of house; then, some new thing will be demanded of architects and the door will have another story to tell to future home-builders.

Social adjustments in America have created demand for homes which are for comfort and convenience and are free from ostentatious display and formality—men are demanding "Little Houses" which have dignity without lavishness or austerity—and the war has but added to this demand.

Many a woman who has spent the greater part of her life trying to save up and "get ahead" so that her family might have a large and pretentious home and all that such a home implies, has suddenly awakened to find that it is not at all necessary; that no one cares whether she has a big house or a little one, or that her windows were to be hung in the finest of hand-made laces or the simplest of plain scrim; that she has one servant or ten, or that she has none at all. In fact, she finds there is nothing of less importance these days than the mania for display and owning things just for the sake of the things and the possible effect which such ownership might have upon one's social distinction.—*Realty.*

ff

#### MY EXPERIENCE IN ADVERTISING.

A few years ago, when I hung out my shingle as a carpenter and jobber, I began by hustling among the real estate agents for work. When the first season came to a close, I guess I had patched more fences, sheds, and out-houses than

any six carpenters in St. Louis. It was the same old grind month after month—pay my material bills and go broke. If there was any profit left, the real estate agent got it as his rake off.

This set me to thinking. What was I to do to get away from this cheap work? It appealed to me that the only thing to do was to advertise. But what must I advertise? How was I to make a prospective customer call on me instead of my competitor? Is it not a fact that in the carpenter business, being an old line, you have a pretty tough proposition trying to convince a man that you will give him more for his money than the other fellow? He knows that my lumber comes from the same lumber yard and that I employ the same kind of labor.

The idea struck me that I must find out what class of work was in the greatest demand. This information I got by going over the building permits for about six months previous to that time. I learned that sleeping porches and garages were in the biggest demand. I then began to search through catalogs and magazines for pictures that would be suitable for small advertisements—one for the sleeping porch and one for the garage. I made up the ads with as few words as possible. This, of course, gave me a chance to use bigger type. I would first run the garage ad in the daily paper and in a few days I would run the sleeping porch ad. I kept this up as long as my financial condition would permit, at the same time keeping track of just how much money I spent in the whole course of advertising. The results were:

|                                     |       |
|-------------------------------------|-------|
| Cost of the total campaign .....    | \$406 |
| Inquiries for garages .....         | 58    |
| Inquiries for sleeping porches .... | 27    |

Out of this I landed fourteen garages and eleven sleeping porches. The average cost on each job for advertising was \$16.25. The other sixty jobs were lost on account of competition. I simply created the demand and my competitor reaped the benefit because I had to add the cost of advertising to my jobs; but a lot of other work came my way which paid well, and at the end of the campaign I had money and gained many new customers which I would not have had without advertising.

But as winter approached, business became dull. The few odd jobs which would pop up from time to time would scarcely pay expenses.

I finally got a phone call from a lady who owned a flat in the southern part of town. Her flat had no way by which the owner, who lived in the second floor, could reach the basement to tend the furnace without going outside in cold and



inclement weather. This was not the only flat built that way. About one-half the houses in St. Louis are flats and two-thirds of these flats have no inside entrance to the basement. The stairways are about 3 feet wide and lead from the second floor to a short hall on the first floor. The hall can be no wider than the stairway without taking valuable space from the first floor.

How was I to carry the stairway any farther?

To solve the difficulty of the narrow space for the staircase, I conceived the idea of making a door right in the stairs, these to lift on bearings so as to open a way to the flight below. I perfected this idea and have received a patent thereon. The landing is only the width of the stairs that come down to it. On pressing a catch in the lowest step (a kick with the toe will do it), five of the steps rise, swinging on bearings at the uppermost part of the fifth step, and are lifted by a weight hanging from an arm underneath. This leaves an entrance to the flight be-

low, and one can close the stair-door on going down by simply pulling it shut. Coming up from below, the person who wishes to open the stairdoor finds a cord hanging underneath it; a pull on the cord releases the catch and the stair moves upward.

Now with the stair-door completed, the next thing to do was to advertise it. As I had the stair-door fully patented, I had the "jump" on my competitors, and the demand that I created for it was all mine. I had an advertisement inserted in one of the St. Louis papers a few times at a cost of \$46.50 each. The first ad pulled fifteen jobs and the rest did almost as well. The cost of advertising was not much more than \$3.00 per job.

There are hundreds of stair-doors in St. Louis now, and you can bet that I get my share of all the other work, too.

Advertising for remodeling and repair work will pay if the advertiser will keep abreast with the needs of the people.

WM. RODGERS.

## GOOD ARCHITECTURE AS A PROFITABLE INVESTMENT FOR THE OWNER

There still remain in this world persons who believe that architecture is a purely ornamental profession—that the man who retains the service of an architect to plan and superintend the construction of a building does so because he wants a few additional artistic effects, for which he is able and willing to pay.

The increased cost of building materials has been a pronounced factor in educating the public regarding the true field of usefulness which the architect occupies. A score of years ago a few thousand dollars sufficed to build a large box-like structure, with a great deal of room, but with no architectural merit. Architecture played very little part in the vast majority of buildings built a score of years ago. But when costs multiplied, owners naturally devoted more thought to the underlying requirements of good building construction. The architect is on a very much higher plane than he was a score of years ago, and the public is beginning to have a growing conception of the important role the architect should play in the development of the country.

It does not require any considerable knowledge of architecture to appreciate the superior appearance presented by any community in which the services of an

architect are utilized in the construction of new buildings.

There are still a good many small communities in the country in which the carpenter and the mason are consulted rather than the architect when a new building is to be constructed. The layman does not stop to consider when he encounters such a community whether the business and public buildings and the residences were planned by a competent architect. He merely knows whether the town is pleasing to the eye—whether it bears the mark of distinction that the prevalence of good architecture imparts to any community. The first impression that he gathers from his initial visit to a town is generally the lasting impression, and more than nine times out of ten it is correct.

For it is usually true (probably invariably true would be a safe statement) that a town in which the representative citizens appreciate good architecture, is a better town in which to live than a community in which scant heed is paid to the call of art. The citizens of the town in which the architect is called in to design business buildings and residences—even though the buildings be of small dimensions—have, as a rule, a wider intellect-

ual horizon than men who believe that architecture is merely useless ornamentation, and that the carpenter and the bricklayer can create a building of harmonious and attractive design.

Then again, it is true that the citizen who wants an architect to design his building, is generally a shrewd and long-headed individual as compared with the man who believes in paring down expenses by eliminating the architect's fee. The architect who is master of his profession must not only plan a building of harmonious design, and attractive appearance, but he must keep constantly in mind the matter of practical every-day utility. There must be no waste corners in the completed building, the interior must meet modern requirements of light and ventilation, the heating plant must be adequate, and yet there must be no waste of either material used in construction or fuel. The building must be planned with close attention to the purpose for which it is intended, in order that the interior arrangement may be completed to the end that the owner, instead of finding after the lapse of a few months or a few years that there are many features of the building with which he is not satisfied, will have an increasing satisfaction in the ownership of the building.

Good architecture increases the value of a building. That is a point that the astute owner always keeps in mind. Five thousand dollars or ten thousand dollars will buy just about so much material in any market. But five thousand dollars' worth of material built into a finished structure of architectural excellence, has a higher market value than an equal or greater amount of material used in the construction of a building that is not pleasing to the discriminating eye, and is not arranged with a view to practical requirements.—*Improvement Bulletin*.

### HERIDITY.

"Do you believe in heredity?"

"Yes, said the school teacher, "there's a little boy in my class who has to return home every day for his books, pencils and pees. His father's a plumber."

### FIRST AID TO THE INSECT.

Architect—"I wonder who first thought of the sleeping-porch."

Householder—"I don't know, but I imagine it was some mosquito."—*Ex.*



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Face, Etc.).

O. W. Ketcham.....Builders' Exchange, Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomerooy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.  
Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.  
Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.  
Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.  
General Fireproofing Co.....832 Arch st., Phila.  
Henry S. Harris.....Land Title Bldg., Phila.  
Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truseon Steel Co....Commonwealth Bldg., Phila.

## Floor Plates.

Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.  
Fleck Bros. Co.....44 N. 5th st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Insurance.

Harris J. Latta.....Penna. Bldg., Phila.  
Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Levels.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Light Iron Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lighting Fixtures.

Staman & Dickey.....30 S. 16th st., Phila.

## Lumber.

James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.  
Italian Marble Mosaic Co...433 Spruce st., Phila.  
Roman Mosaic and Tile Co.435 Green st., Phila.

## Metal Lath.

General Fireproofing Co.....832 Arch st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truseon Steel Co....Commonwealth Bldg., Phila.

## Metal Lath Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Metal Tiles and Shingles.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Meters.

Philadelphia Meter Co.,  
Real Estate Trust Bldg., Phila.

## Mill Supplies.

The Fairbanks Co.....7th and Arch sts., Phila.

## Paints and Varnishes.

The Barrett Company,  
New York and Philadelphia.  
Felton, Sibley & Co.....136 N. 4th st., Phila.

## Pipe Fittings and Valves.

The Fairbanks Co.....7th and Arch sts., Phila.

## Plumbing Fixtures.

Fleck Bros. Co.....44 N. 5th st., Phila.  
James A. Vogel Co.....Wilmington, Del.

## Preservatives (Wood and Concrete).

The Barrett Co.....New York City and Phila.

## Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Refrigerators.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.

## Reinforcing Bars.

Truseon Steel Co....Commonwealth Bldg., Phila.

## Roofing.

The Barrett Co.....New York City and Phila.

## Roofing Tile.

O. W. Ketcham.....Builders' Exchange, Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Roofing Tin.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Roofing Slate.

William Moore Co.....1506 Sansom st., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

## Sewage Disposal.

Harrison, Mertz & Emlen, Inc.,  
Commercial Trust Bldg., Phila.

## Slate.

William Moore Co.....1506 Sansom st., Phila.

## Soundings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Structural Slate.

William Moore Co.....1506 Sansom st., Phila.

## Surety Bonds.

Harris J. Latta.....Penna. Bldg., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Tile and Terrazzo Work.

Belfi Bros. & Co.....1923 Market st., Phila.  
Italian Marble Mosaic Co...433 Spruce st., Phila.  
Roman Mosaic and Tile Co...435 Green st., Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Tiling.

William Moore Co.....1506 Sansom st., Phila.

## Transits.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Ventilators.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Wall Board.

## Ceil Board.

James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Water Paint.

Wm. B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Waterproofing.

The Barrett Co.....New York City and Phila.

## Water Supply.

Harrison, Mertz & Emlen, Inc.,  
Commercial Trust Bldg., Phila.

## Weather Strip (Metal).

C. W. MacDowell Agency,  
2132 N. Van Pelt st., Phila.

## Window Screens.

C. W. MacDowell Agency,  
2132 N. Van Pelt st., Phila.

## Wire Work.

Audubon Wire Cloth Co., Inc....Audubon, N. J.



1792

1918

# Insurance Company of NORTH AMERICA

PHILADELPHIA

FOUNDED 1792



## 126th Annual Statement

December 31, 1917

|                      |   |   |                 |
|----------------------|---|---|-----------------|
| Cash Capital         | - | - | \$ 4,000,000.00 |
| Reserve for Premiums | - | - | 10,630,740.40   |
| Reserve for Losses   | - | - | 4,419,000.00    |
| Reserve for Taxes    | - | - | 950,000.00      |
| Reserve for Sundries | - | - | 160,000.00      |
| Surplus              | - | - | 8,317,502.26    |

## TOTAL

\$28,477,242.66

|                                |   |   |                  |
|--------------------------------|---|---|------------------|
| Surplus to Policyholders       | - | - | \$ 12,317,502.26 |
| Losses Paid Since Organization | - | - | 192,518,273.33   |

## The Oldest American Stock Insurance Company

Fire Insurance  
Tornado  
Sprinkler  
Explosion  
Inland Transit  
Salesman's Floater

Automobile  
Use and Occupancy  
Builder's Risk  
Tourist  
War Risk

Cotton Insurance  
Marine  
Rent  
Leasehold  
Parcel Post  
Registered Mail

# FIREPROOFING

FIRE CLAY PRODUCTS

and

FIRE-PROOF STEEL PRODUCTS

Standard Hollow Tile

Panic-Proof Product Corp's

Hollow Tile Fireproofing

Panic-Proof and Fire-Proof

Fire Clay

Hollow Steel Doors and

Fire Brick

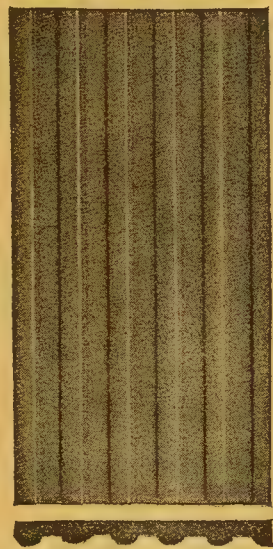
Trim and Art Metal Products

HENRY S. HARRIS

LAND TITLE BUILDING

PHILADELPHIA, PA.

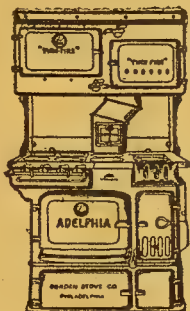
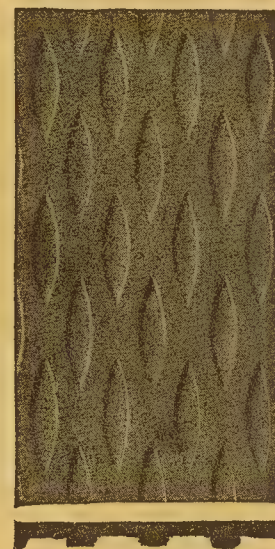
Bell Phone, Spruce 3636



MANUFACTURERS OF

## DIAMOND AND RIBBED PATTERN Rolled Steel Floor Plates

SIZES FURNISHED ON APPLICATION



## ADELPHIA

Steam and Hot Water Boilers Warm Air Furnaces

Ranges for either Coal or Gas or Combination Coal and Gas

ARE STANDARD IN CONSTRUCTION

SUPREME IN SATISFACTION-GIVING RESULTS

ECONOMICAL IN FUEL CONSUMPTION

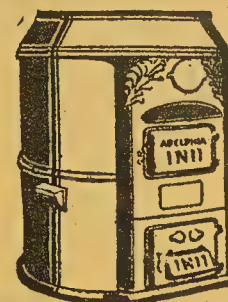
While our Philadelphia warehouse, with its instant delivery service, with its large stocks of all sizes and styles insures that same BORDEN SERVICE rendered since 1878.

Visitors always welcomed at our new centrally located daylight showrooms containing the most complete and one of the finest assortments in the city.

BORDEN Stove Company

1313 ARCH STREET

PHILADELPHIA





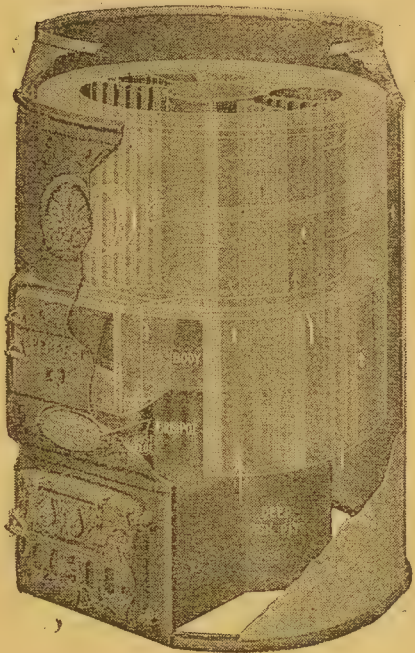
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 5  
January 29, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

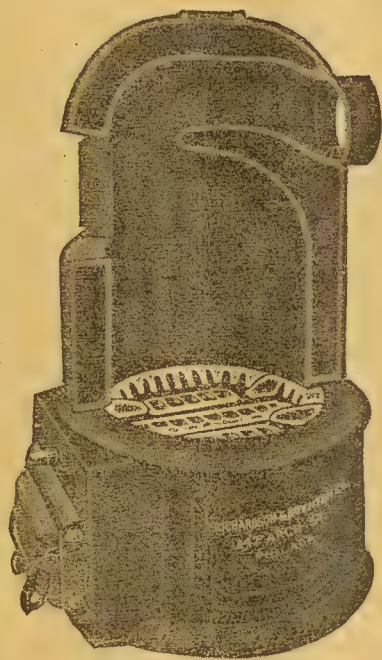
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15 CENTS PER COPY



## Instant Deliveries

Steam and  
Hot Water Boilers

Warm  
Air  
Heaters



Cooking Ranges  
Pipeless Heaters  
Tank and Laundry Heaters

**RICHARDSON & BOYNTON CO.**  
1332 Arch St., Philadelphia



## Evans "Almetl" Fire Doors

(Pat. Pending)

For buildings of a permanent character, the U. S. Government desires the highest grade products that are best suited for the purpose intended and in line with this policy, Evans "Almetl" Fire Doors and Shutters have been purchased and used for various buildings such as ship building plants, the Merchant Ship Building Corporation, the Detroit Ship Building Co., Huey & Jones Co., etc., also in U. S. Government Arsenal, Panama Canal Building and Air Nitrate Plant, all supplied by the Ordnance Department.

Also Manufacturers of "Star" Ventilators, High Grade Roofing Tin, Metal Tiles and Metal Siding.

IMPORTANT! Mark Your Inquiries for Dept. 20

**MERCHANT & EVANS CO.**

NEW YORK PHILADELPHIA WHEELING  
BALTIMORE CHICAGO  
ATLANTA ST. LOUIS  
CLEVELAND KANSAS CITY



# THE NATIONAL CEMENT



"CONCRETE FOR PERMANENCE"

Philadelphia Headquarters, Finance Building



WRITE, WIRE OR PHONE

## IMMEDIATE DELIVERIES

from our large

**PHILADELPHIA WAREHOUSE**

REINFORCING BARS—Cut to Length or Fabricated  
DIAMOND MESH LATH  
HY-RIB and RIB LATH  
CORNER BEAD and CURB BARS

**UNITED STEEL STOCK SASH**

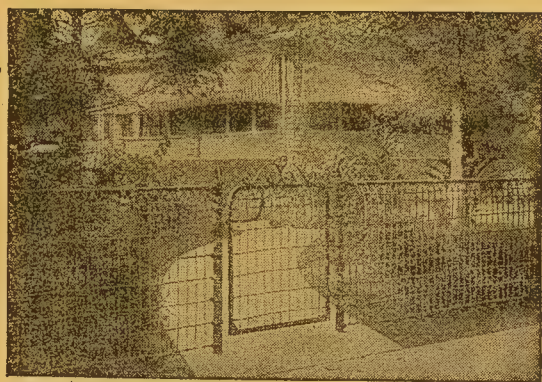
**TRUSCON STEEL COMPANY**

Formerly TRUSSED CONCRETE STEEL COMPANY

810 Commonwealth Building

Philadelphia





### An important part of a fence is in the ground

It's the anchorage of the posts that determines whether the fence will keep its alignment and stand straight and true after years of service.

### ANCHOR POST FENCES

are built on anchor posts which are driven into the ground and then held rigidly erect by two Anchor stakes driven diagonally through slots clamped to the sides of the posts.

Iron Railings and Entrance Gates, Lawn Fences, Tennis-Court, Poultry and Kennel-Yard Enclosures, Arbors, Trellises, and Flower-Bed Guards. Catalogues of any or all are yours upon request.

### Anchor Post Iron Works

W. S. SLACK, Manager  
Real Estate Trust Bldg., Phila.



## Belfi Bros. & Co.

Marble  
Mosaic



Terrazza and  
Ceramic Mosaic

Tiles for Floors and Fireplaces  
Interior Marble Work  
Mantles, Marble and Wood

1923 Market Street  
PHILADELPHIA

Branch Office, Allentown, Pa.  
225 COMMONWEALTH BUILDING

Base and Floor  
one continuous  
piece



### MINERAL FLOOR

should be used wherever a sanitary floor is desired. Practically noiseless, it is the ideal floor for schools, public buildings, railway stations, stores, kitchens, etc.

Damp, Fire and Vermin Proof

WE LAY THIS FLOOR ANYWHERE  
Information and samples on request

Philadelphia Mineral Flooring Co.

5632-34 Summer Street  
Philadelphia, Pa.

## O. W. KETCHAM

Manufacturer of

Ornamental Terra  
Cotta  
Face Brick  
Hollow Tile  
Paving Brick  
Roofing Tile

Philadelphia, 24 S. Seventh St.  
New York, 1170 Broadway  
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa

### POMEROY CONSTRUCTION CO.

#### Building Construction

Let us figure on YOUR building work

1609 Ranstead Street, Phila.

### FACE and CUT STONE

#### HOLMESBURG GRANITE CO.

Commercial Trust Building  
PHILADELPHIA



Wells - Soundings  
Test Borings

Artesian Well  
Drilling Co.

Real Estate Trust Building, Philadelphia

### Whitewashing

and

### Water Painting

SPECIFY

### Analo Powder Paint

Whether applied by brush or machine, if done by our corps of trained artisans you are sure to get the best work at the lowest possible cost. Better see us today. "Let there be light."

### WM. B. SOUTHERN

Manufacturer and Contractor

N. W. Cor. 12th and Spruce Sts.  
PHILADELPHIA

Both Phones

# Daily Building News

Reliable, Advanced,  
Confirmed, Up-to-  
the-Minute, Infor-  
mation on Proposed  
Building Work in  
Philadelphia, East-  
ern Pennsylvania,  
Southern New Jer-  
sey and Delaware.

Let Us Show You  
How You Can Use  
This Service to In-  
crease Your Business.

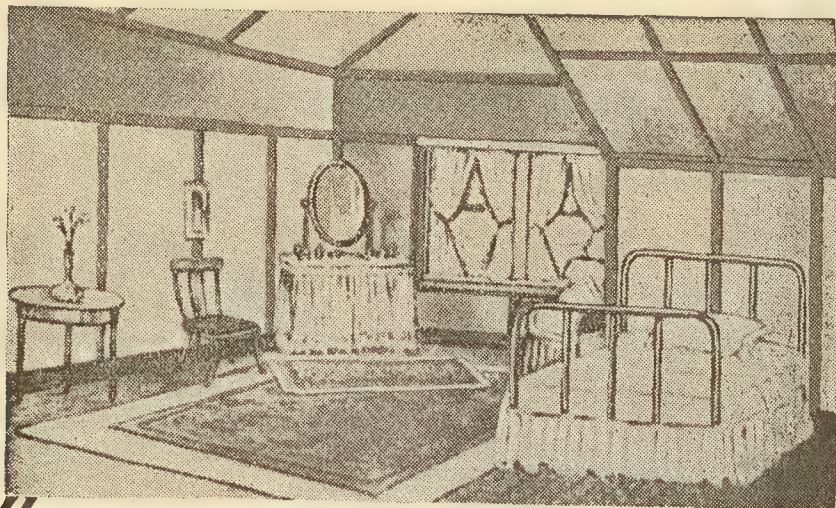


## Building News Publishing Co.

Perry Building, Philadelphia

Bell Phone, Spruce 1611-12  
Keystone, Race 2799





USE  
*Ceil-Board*

### For Lining Bungalows, Damp Walls, Attics, Garages, Poultry Houses, Etc.

Thoroughly established as the most economical material for interior lining. Artistic, quickly installed, durable and dependable, it is just what you are looking for. It has been called by many "The Board without a Peer." Ceil-Board's the real board.

**James E. Tague & Co.**

*Specialists in Factory and Jobbing Lumber*

Lumber Yards

Philadelphia Agency

Northeast Corner 10th and Columbia Avenue

Northwest Corner 19th and Cambria Streets



### The Quality of "F-S" Products is acknowledged.

"Ef-Es-Co" gives a dead-flat effect on wood and metal. It looks like enamel, flows well under the brush. Made in white and colors of best materials. You are sure of its quality when you specify it.

FELTON, SIBLEY & CO., Inc.

*Manufacturers of Colors, Paints and Varnishes since 1863*

136-140 N. 4th St., PHILADELPHIA

(145)

F. M. VENZIE

W. J. LEDERLE

Specialists in Metal Lath and Light Iron Construction

FOR

**Fire Proof Partitions  
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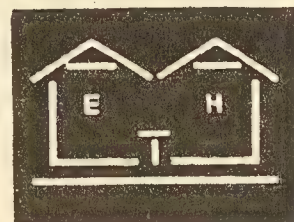
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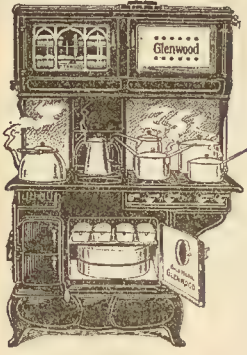
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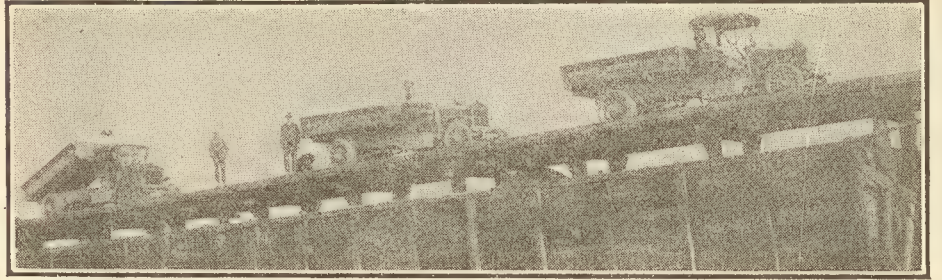
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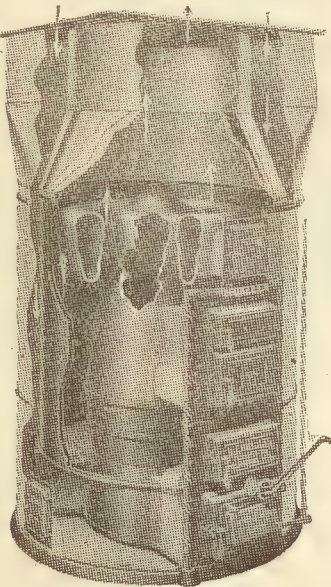
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Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

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## BUILDERS' GUIDE

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## As The Editor Sees It



THERE are certain definite and serious problems which this country must face during the period of reconstruction. There is no doubt that America will successfully pass through this crisis as she has through others but probably no more important transition period has ever before occurred in this country. Commenting on the dangers of this period, Mr. Harold G. Moulton, Assistant Professor of Political Economy, University of Chicago, and a member of the War Labor Policies' Board, discusses these dangers in an article prepared for the War Committee of the Union League Club of Chicago. "To present the problem in definite terms," says Mr. Moulton, "it may be stated that one, or all, of the following results are not impossible during the next two or three years:

"(1) There may be a substantial reduction in the total output of industry—at a time when there is a greater need than ever before for increased production.

"(2) There may be a serious reduction in the rate of wages before there is a corresponding fall in the cost of living.

"(3) There may be a large volume of unemployment, serious privation for millions of people, and an unparalleled burden placed upon our charitable institutions.

"(4) There may be an outbreak of

industrial warfare such as this country has not known in decades.

"(5) There may be a rapid increase of revolutionary doctrine—subversive of the principles of American life."

As a means of successfully overcoming the difficulties of the situation, Mr. Moulton further suggests that "in view of the established facts of our industrial experience and in view of the grave possibility of depression during the transitional era—indeed, I think one may say in view of the facts of the immediate situation—with industry everywhere hesitant, and unemployment already rapidly increasing, is it not perfectly plain that a comprehensive program of public works should be instituted just as soon as possible? If this nation is not willing to heed the simple lessons of experience, and if we are not disposed to seize at once the opportunity to insure ourselves against the dangers of the transition periods by establishing a perfectly feasible program of buffer employment on public works, we deserve to reap the whirlwind that will lie before us. In view of the present social temper of the world we cannot afford to sit with folded hands and await the return of the troops with nothing but fine resolution and good wishes to extend them. If, in our easy-going optimistic American way, we neglect to provide for those who have so unreservedly offered themselves in the nation's service the opportunity upon their return

to earn the means of a self-reliant existence, we will have sown the seeds of a social revolution in this country that will rock our democratic institutions to their foundations.

"We know as a matter of course that we cannot permit either our returning soldiers or war workers to starve; we know that the least we can do, if jobs are not available for all, is to open our charitable purses and extend them such indirect alms as we may. We have the choice, therefore, of two methods of meeting the situation: (1) by providing employment on public works of enduring value; (2) by supporting by public charity an army of unemployed in non-productive idleness. The former is the way that will make for satisfied self-reliant American citizenship; the latter is but a palliative—it prevents starvation, but it does not avoid ingratitude and bitterness of spirit, nor make for orderly social and economic life. The former is the socially efficient way, the way that conserves human resources and increases the productive capacity of the nation; the latter is the socially wasteful and inefficient way—that makes for the degradation of the individual and the depletion of national productive power.

"The latter is the way of the old era of ill-adjusted and unregulated industrial life; the former is the way of a new era of economic and social efficiency."

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## HOUSING AND RECONSTRUCTION

ADDRESS BY MR. THOMAS ADAMS, F. S. J.

*Town Planning Adviser to the Conservation Commission of Canada, at the Seventh National Conference of Housing in America, Boston.*

If one is to judge from the words of many who voice public opinion a new idealism is abroad in the civilized world. Apart from the triumph of our principles over the enemies who have sought to thwart them we have to rejoice in another triumph over some of the defects in ourselves. Who shall say that this is true till after the tribulation of war has ceased to tear our hearts and the ordeal of prosperity and peaceful development comes again with its accompaniment of selfish indifference to social injustice? Who shall say that what we are witnessing is a passion to do or but a phase of thought that will pass away as the emotions stirred by the events on the field of battle become less near and real to us? The war has broken down much of our self-centered complacency and has given us more thought for human welfare, but will the good it has done us not vanish with a period of passivity? Emerson said in his address on "Man the Reformer" that the hour had struck for great reforms for the pursuit of high ideals with some real hope of achievement, but the hour passed and men fell into the old groove of *laissez-faire*.

Today we have a repetition of the opportunity—nothing more. All the old idolatry of custom and prejudices still parade the market place and color the verbiage of the politician; and are flouted in our faces as the things that constitute experience. Happily in a few directions we have made important progress. We have learned that real experience must take science as its hand maiden to accomplish real results. No longer is that vague thing executive ability regarded as of necessity divorced from knowledge and scientific training.

In no matter do we need more to get away from custom, and clap-trap about uninformed executive ability, than in municipal government and housing, with all deference to the many able amateurs who have heretofore controlled our public affairs.

Again we have seen the heads of great commercial and industrial enterprises, belonging to a class who used to joke about the sentimentalism of the housing reformer, become the most active participants in the work of improving housing conditions. We hear less of the scorn about social "uplift," and more of the place which good housing occupies in producing efficiency and contentment of labor, reducing labor turnover, reflect-

ing its better environment in better government, and laying the foundations of an improved and more intelligent citizenship.

The home is the nursery of industrial progress as well as of patriotism, O. W. Holmes said that the education of a child should begin 100 years before it is born and the home is the place where it is begun—whether it be in a degrading slum or a healthy cottage dwelling.

A home is not a mere place of shelter in modern democracy; it must provide conditions which will promote efficiency in labor and strength of character in citizenship. It is the foundation on which we build up the social structure—commercially and politically.

The home connects the family, and the family, and not the individual, is the unit of the civic structure. A true housing policy must go further than improving of providing dwellings; it must be part of a comprehensive policy of town and country development. We must apply more thought to the theories and practical tendencies of urban and rural growth, and fit in our housing policies as part of a comprehensive scheme of urban and rural organization.

The problem of housing has become especially acute during the war. Although made worse by war conditions in reducing the supply of labor, materials and money, the problem has not been created by the war except in that temporary aspect connected with the housing of war workers. In its broader and more general social aspect it is a problem of national proportions and importance, in regard to which past failure is written large in every community, and success can only be achieved—first by humble admission of our defects, and second by building up a nation-wide organization capable of dealing with it on business and scientific principles.

A feature of the problem that has to be considered is the necessity for apportioning responsibility between all classes of government—national, State and local—and of linking up all three in the practical efforts that are made to deal with its solution. Private enterprise must be encouraged where it is good and only restricted in its activities where it is bad.

Another feature of fundamental importance is the regard we have for private rights in property. The law of free contract and the rights of ownership in

regard to private property must be protected; but not as hitherto, in a sense which makes it superior to or supreme over the law of human liberty. A man's rights to a healthy home are greater under curtailed law—including that which underlies your constitution, which put persons before property—than the rights of the owner of titles.

The attitude of your Congress to war-housing while admirable from the standpoint of patriotism was a revelation of weakness—if I may humbly say so—to the general social aspect of the problem. Housing in connection with reconstruction is a different thing to housing connected with war industries—and requires a broader social vision and more courage to deal with it. It is beset with both practical and constitutional difficulties. In making financial provision for housing accommodation in connection with war industries Congress has acted only on acceptance of the compelling events which made the winning of the war contingent on good housing conditions being provided for war workers. The exigencies of war forced the Government to act in this matter against the inclination that the provision of houses is rather a question for private, or at least for local, enterprise. Having regard to past history the reluctance of the Government in entering upon this field is not surprising. You might say that in the whole American Continent there is almost universal prejudice against Government interference with private enterprise.

Most people want to see good housing conditions provided for the workers; but there is considerable difference of view as to the best way to improve these conditions and those who oppose Government housing do so from strong convictions that it is unsound. It is not in any way disparaging to them to suggest that they will resist its becoming a success if they can, because they honestly believe that by such resistance they will be serving their country. I think the experience of national and municipal housing in England, so far as such experience is of any value as a guide to us on this side of the Atlantic, has clearly demonstrated the fallacies which underlie most of the objections to Government housing. But the fact remains, that these fallacies will have to be overthrown by practical demonstrations on this continent before they will cease to be factors to be reckoned with in connection with the housing problem.

Consequently, it may be anticipated that every act of the housing executive you may set up will be watched, every mistake exaggerated and every good achievement minimized.

(Continued on Page 61.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Pier**, Kenilworth street, Philadelphia. Architect, private plans. Owners, City of Philadelphia, Department of Wharves, Docks and Ferries, 522 Bourse Building, Philadelphia. Single Deck Pier and Offices, wood piles, concrete foundation, steam heating, electric lighting, hollow metal sash, rolling steel and kalamain doors, hollow tile, metal lath. Owners taking bids, due February 14th. Snare & Triest, Pennsylvania Building; Hughes-Foulkrod Co., Commonwealth Building; Wills-Ludwick Co., 1706 Sansom street, are figuring.

**Factory Building**, 1713-15 North Tenth st., Philadelphia. Architect, private plans. Owners, John E. Sjoström Co., Inc., 1719 North Tenth street, Philadelphia. Brick, 2 stories, 68x100 feet, slag roof, wood floors, stone foundation, mill work, plastering (heating and lighting reserved). Plans in progress. Will take bids in about one month.

**Residences (35)**, Drinker street and Wayne avenue, Germantown. Architect, Bart Tourison, Land Title Building, Philadelphia. Owner, John H. McClatchey, Land Title Building, Philadelphia. Stone and brick, 3 stories, slate and shingle roof, electric lighting, hot water heating, tile work. Owner is ready for sub-bids.

**Garage (add.)**, 1516 Cayuga street, Philadelphia. Architect, private plans. Owner, Charles B. Ware, on premises. Brick and stone, 1 story, 100x49½ feet, slag roof, stone foundations, hot water heating, electric lighting, 6 hollow metal skylights. Owner taking bids. Thos. C. Trafford, 1613 Sansom street; Henry P. Schneider, 4713 Old York Road, are figuring.

**Stores (2) and Garage**, Fifty-fifth and Woodland avenue, Philadelphia. Architect, Fred N. Greisler, Lafayette Building. Owner's name withheld. Brick, 1 story, 86x120 feet (mill construction), composition roof. Plans in progress. Details undecided. Architect will be ready for bids in about two weeks.

**Store Building (alts.)**, Silver street and Germantown avenue. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner's name withheld. General alterations, flush bulks, marble work, electric lighting, new partitions, etc. Plans in progress. Architect will take bids in ten days.

**Packing Plant (add.)**, 425 Fairmount avenue, Philadelphia. Architect, private plans. Owners, H. C. Derby & Co., care of T. C. Robinson, construction engineer, Swift & Co., Ninth and Girard avenue, Philadelphia. Brick, concrete and steel, 2 stories and basement, 95x20 feet 1½ inch. Barrett roof, concrete foundations, electric lighting, concrete and asphalt floors, hollow tile, electric lighting, rolled steel sash, fire and Kinnear doors, water cooling tower. Owners have received bids.

**Residence**, Carpenter street and Wissahickon avenue, Philadelphia. Architect, Laurence Visscher Boyd, Harrison Building, Philadelphia. Owner, J. Morgan Lister, West End

Trust Building, Philadelphia. Stone and brick, 3 stories, 40x30 feet, shingle roof, pine and oak floors, hot water heating, electric lighting, tile and arble work. Architect taking new bids, due February 5th. Charles Johnson, 5701 Boyer street; Wm. J. Grubler & Co., 219 East High street, are figuring.

**Department Store**, 925-27 Market street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, L. W. Hirsch Co., 923 Market street, Philadelphia. Extensive remodeling of building, 5 stories and basement, 40x200 feet, carpentry, cabinet work, steam heating, electric lighting, marble and terrazzo work, hollow metal sash, kalamain doors, metal bulks, fire towers, iron stairs, ornamental iron work, tile, hardwood and maple floors, metal lath, 3 elevators, safety treads, roof ventilators, waterproofing, dampproofing. Architect taking bids, due in about two weeks. Melody & Keating, 1322 Race street; Warren-Moore Co., Colonial Trust Building; Doyle & Co., 1519 Sansom street; Wm. R. Dougherty, 1610 Sansom street; Chas. McCaul Co., 1713 Sansom street; H. E. Baton, 1713 Sansom street; Wark & Co., 1737 Filbert street; Wm. Steele & Sons Co., Sixteenth and Parkway; Hughes-Foulkrod Co., Commonwealth Building; A. R. Raff Const. Co., 1635 Thompson street; Barclay White & Co., 1713 Sansom street, all of Philadelphia, and E. Margolies, 19 East Thirty-third street, New York City, are figuring.

**Recognition Booths, Shelter and Fences**, Spec. 3771, Navy Yard, Philadelphia. Architect, private plans. Owners, U. S. Government, Department of Public Works, Navy Yard, Philadelphia. Frame and concrete, wire fence, concrete piers, ready roof, electric lighting. Owners taking bids, due February 3rd. Thos. C. Trafford, 1613 Sansom street; Lam Building Co., 1001 Wood street; Wark & Co., 1737 Filbert street; W. O. Springer, 1624 Latimer street, are figuring.

**Shop Building**, Thirty-third and Woodland avenue, Philadelphia. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owners, Peters Engineering Co., 3202 Chestnut street, Philadelphia. Brick (slow burning), 1 story, 43x67x157x104 feet, slag roof, cement floors, electric lighting, roof ventilators, galvanized iron skylights. Owners and architects taking bids, due February 3rd. T. C. Trafford, 1613 Sansom street; Hogg Const. Co., 1634 Sansom street; John M. Yardley, 1716 Sansom street; F. B. Davis, 240 North Sixteenth street; G. H. Evans, 45 North Thirtieth street, Philadelphia, are figuring.

**Residences (32)**, Ruscomb and B streets, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, Lewis Mittleman, 1014 East Tioga street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, stone foundations, hot water heating, combination lighting, oak floors, cement work. Plans about completed. Owner will take sub-bids in a few days.

**Store (alts.)**, Seventh, Eighth and Market streets, Philadelphia. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Lit Brothers, Eighth and Market sts., Philadelphia. Brick and fireproofing, steam heating, cement floors, hollow tile, safety treads, fire doors, iron work, plumbing, plastering and painting. Architects taking bids, due January 31st at noon. Lam Building Co., 1001 Wood street; H. E. Baton, 1713 Sansom street; John N. Gill & Co., Otis Building; Warren-Moore Co., Colonial Trust Building; F. L. Hoover & Sons, Inc., 1023 Cherry street, are figuring.

**Garage**, 1506 Lindley avenue, Logan. Architect, Herman H. Kline, Sixth and Mifflin sts., Philadelphia. Owner, A. Goldberg, on premises. Brick, 1 story, 16x20 feet, shingle roof, cement floor, steam heating, electric lighting. Architect will be ready for bids in a week.

**Bank and Residence (remodeling)**, 927-29 South Eighth street, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, G. Tumolillo, on premises. General renovation, granite front, 3 stories, 36x70 feet, hot water or steam heating, electric lighting and fixtures, tile and marble work, bank fixtures. Plans in progress. Too early for details.

**Building (alts.)**, 639 North Broad street, Philadelphia. Architect, private plans. Owners, Philadelphia Wholesale Drug Co., care of Frank R. Rohrman, President, 522 Arch street, Philadelphia. New partitions, shelving, electric work, plumbing. Owners are taking sub-bids.

**Bottling Building and Stable**, 612-14-16 Moore street, \$10,500. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, N. Drassner, 1909 South Sixth street, Philadelphia. Lessees, J. Frank & Sons, 1909 South Sixth street. Brick, 2 stories, 25x53 feet and 48x63 feet, slag roof, stone and concrete foundations, steam heating, electric lighting, cement and concrete floors, hollow metal sash and skylights, waterproofing. Owner will build.

**Bank (alts. and add.)**, Kensington and Allegheny avenues, Philadelphia. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Kensington Trust Co., care of Charles L. Martin, secretary and treasurer, on premises. Brick, 1 story, 54x78 feet and 2 stories, 54x15 feet, slag roof, maple floors, steam heating, electric lighting, tile, marble and terrazzo work, bank fixtures. Plans in progress.

**Store and Dwelling (alts.)**, 1331 Point Breeze avenue. Architect, H. H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, D. Welsh, on premises. Structural iron, cabinet work, flush bulks, metal ceiling, polished marble, electric lighting. Owner will be ready for bids in one week.

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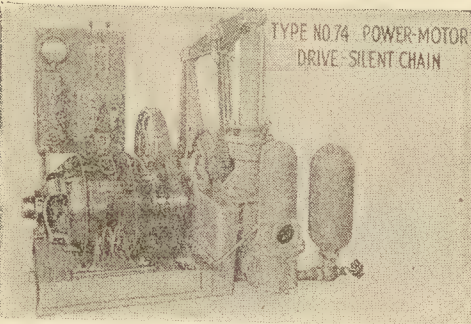
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## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man  
and Interior and Exterior Fitter.

**Church (alts.),** Fifty-second and Baltimore  
avenue, Philadelphia. Architect, private plans.  
Owners, Wayland Memorial Baptist Church,  
care of Rev. George Venn Daniels, on prem-  
ises. General interior alterations, mill work,  
plastering, interior decorating, repairs to slate  
and copper roof. Contract awarded to David  
A. McClelland, 4011 Baring street, Philadel-  
phia.

**Dwellings (13),** Fifty-eighth and Ludlow  
streets, Philadelphia, \$46,800. Architect, E.  
Allen Wilson, 1208 Chestnut street, Philadel-  
phia. Owner, Calvin W. Rogers, 4826 Walnut  
street, Philadelphia. Brick, 3 stories, (1)  
14½x40 feet, (12) 14 feet 5 inchesx29 feet  
and 12x10 feet, slag roof, hot water heating.  
Owner will build.

**Office (alts. and add.),** 132 South Fourth  
street, Philadelphia, \$10,000. Architect, C. A.  
Ziegler, 1218 Chestnut street, Philadelphia.  
Owners, Stephen M. Weld & Co., 427 Chest-  
nut street, Philadelphia. Brick, 1 story, 32x36  
feet, and 1 story, 11x14 feet, slag roof, electric  
lighting, steam heating. Contract awarded to  
John Dear, 4544 Greene street, Philadelphia.

**Store Building (alts.),** 3 and 5 E. Wood-  
lawn avenue, \$1,240. Architect, A. H. Savery,  
Stephen Girard Building, Philadelphia. Own-  
er, Dr. Lutz, care of Carl Helmetag, 5909 Ger-  
mantown avenue. Brick work, changing store  
into real estate office, mill work, steam heat,  
electric light, slate work, structural iron,  
painting. Contract awarded to Chas. John-  
son, 5701 Boyer street.

**Stores,** northwest corner of Front and Dock  
streets, Philadelphia, \$2,900. Architect, pri-  
vate plans. Owner, Agostino Barber, 254 S.  
Front street, Philadelphia. General interior  
and exterior alterations. Contract awarded to  
H. C. Dahl, 231 South Eighth street, Philadel-  
phia.

**Shop and Garage,** 2123-25 Vine street, Phil-  
adelphia, \$6,500. Architect, private plans.  
Owner, Edw. M. Harris, 2220 Chestnut street,  
Philadelphia. Brick, 1 story, 38x120 feet,

slag roof, cement floor. Owner will build.

**Garage (fire repairs),** 2445 North Eighth  
street, Philadelphia, \$2,644. Architect, pri-  
vate plans. Owner, Charles Keenan, on prem-  
ises. General restoration and fire repairs. Con-  
tract awarded to H. C. Zingraf, 2527 North  
Seventh street, Philadelphia.

**Shop (alts.),** northeast corner of Canal and  
Poplar streets, \$1,500. Architect, private  
plans. Owners, Smith, Kline & French, on  
premises. General alterations. Contract  
awarded to Frank G. English, 1608 North  
Carlisle street.

**Store (alts.),** Ninth and Chestnut streets,  
\$1,000. Architect, private plans. Owners, M.  
Sickles & Sons, on premises. Metal lath and  
plaster, angle iron, dumbwaiter, metal lath.  
Contract awarded to F. W. Van Loon, Denekla  
Building, Philadelphia.

**Building (alts.),** Fifteenth and Wallace  
streets, Philadelphia. Architect, private plans.  
Owners, H. K. Mulford Co., 412 South Thir-  
teenth street, Philadelphia. Fireproof vault,  
hollow tile, metal lath, plastering, vault door  
and 70,000 feet shelving. Contract awarded  
to Robert E. Lamb Co., 843 North Nineteenth  
street, Philadelphia.

**Cooling Tower,** American and Norris sts.,  
Philadelphia, \$3,000. Architect, private plans.  
Owners, Swift & Co., Ninth and Girard ave-  
nue, Philadelphia. Steel and galvanized iron,  
1 story, 10x25 feet. Contract awarded to J.  
Sims Wilson Co., 1125 Brown street.

**Elevator Enclosure,** Ninth and Noble sts.,  
Philadelphia, \$2,000. Architect, private plans.  
Owners, Swift & Co., Ninth and Girard ave-  
nue, Philadelphia. Brick and hollow tile, 6  
stories, rolled steel skylights. Contract award-  
ed to J. Sims Wilson Co., 1125 Brown street.

**Bakery (alts. and add.),** 2917-21 Cambridge  
street, Philadelphia, \$23,000. Architect, pri-  
vate plans. Owners, Felton & Schneider, 4914  
Chancellor street, Philadelphia. Brick, 1  
story, 86x12 feet, slag roof. Contract award-  
ed to Saidel & Feldman, 5749 Walnut street.

**Dwelling,** Erdrick street, south of Van Kirk  
street, \$2,500. Architect, private plans. Own-  
er, Emil Diener, 5709 Erdrick street, Phila-  
delphia. Brick and frame, 2 stories, 36x24  
feet, rubberoid roof. Owner will build.

**Factory (fire repairs),** 1932-38 N. Reese  
street, Philadelphia, \$2,100. Owner, G. Stef-  
fan, 1932 North Reese street, Philadelphia.  
General fire repairs. Contract awarded to  
Harry Brocklehurst, 512 West Norris street.

**Bank (alts.),** 410 South street, Philadel-  
phia, South Philadelphia Branch. Architect,  
Frank E. Hahn, 1112 Chestnut street, Phila-  
delphia. Owners, People's Bank, Seventh and  
Girard avenue, Philadelphia. Brick and con-  
crete, steam heating (electric lighting, fixtures  
and vault doors reserved), tile, marble and ter-  
razzo work, metal lath, ornamental iron work,  
wire work, cold water paint. Contract award-  
ed to Smith, Hardican Co., 1608 Cherry street,  
Rothschild, 1225 Sansom street, Philadelphia.

**Store and Dwelling (alts.),** northwest cor-  
ner of Forty-second and Leidy avenue, \$1,000.  
Architect, private plans. Owner, A. Susskin,  
on premises. Flush bulks and general interior  
alterations. Contract awarded to M. J. Ben-  
amy, 3042 West York street, Philadelphia.

**Ash Bin,** northeast corner of G and Alle-  
gheny avenue, Philadelphia, \$1,875. Archi-  
tect, private plans. Owners, Thos. Haltons  
Sons, on premises. Reinforced concrete. Con-  
tract awarded to Drehmann Paving Co., 2622  
Parrish street.

**Dwelling and Office,** 926 North Third street,  
Philadelphia, \$4,000. Architect, Le Roy B.  
Rithschild, 1225 Sansom street, Philadelphia.  
Owner, George Sachaenmaier, 145 N. Third  
street, Philadelphia. Brick, stone trim, 4  
stories (front), 1 story rear, 17x105 feet,  
stone foundations, slag roof. Owner will sub-  
let.

**Restaurant (alts. and repairs),** 4047 Lan-  
caster avenue, \$2,000. Architect, private  
plans. Owner, J. W. Salus, Thirteenth and  
South streets, Philadelphia. General repairs.  
Contract awarded to John W. Emery, 1737  
North Fifteenth street, Philadelphia.

**Factory,** Sixteenth and Hamilton streets,  
Philadelphia. Architect, Horace Wells Sellers,  
Stephen Girard Building, Philadelphia. Own-  
ers, Wm. Sellers Co., Sixteenth and Hamilton  
streets, Philadelphia. Reinforced concrete,  
brick and steel, 5 stories, 52x108 feet, slag  
roof and slate roof, hollow metal skylights,  
fire doors, safety treads, concrete foundations,

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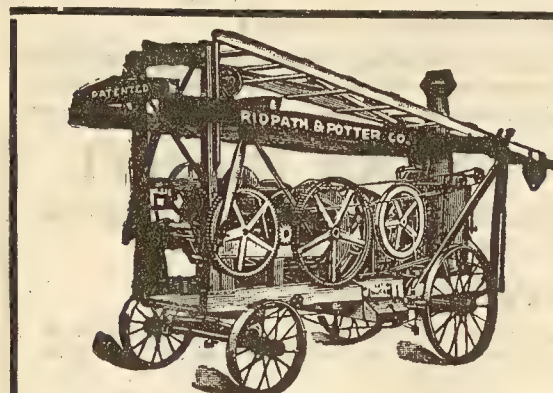
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electric lighting, steam heating, cement floors, rolled steel sash, metal lath, iron work, 1 electric elevator, safety treads, rolling steel doors (plumbing, plumbing fixtures, slate partitions, heating, electric wiring and fixtures, elevator and water tank reserved). Contract awarded to Barclay White & Co., 1713 Sansom street, Philadelphia.

**Dwelling (alts.)**, northwest corner of Cliveden street and Wissahickon avenue, \$5,000. Architect, private plans. Owner, Chas. H. Stoer, on premises. Brick, 2 stories, 28x30 feet, shingle roof, steam heating, electric lighting. Contract awarded to H. P. Werner, 3245 Germantown avenue.

**Wholesale House (repairs)**, 18 S. Front st., \$4,580. Architect, private plans. Owners, Philadelphia Trust Co., 415 Chestnut street,



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Philadelphia. General fire repairs. Contract awarded to Walter J. Burton, 2108 Sedgley avenue, Philadelphia.

ing, Trenton, N. J. Owner, Harry Whitehead, Trenton, N. J. Remodeling entire building, slate roof, hot water heating, electric lighting, tile floors, tile porch floors, hollow tile. Plans in progress.

## PENNSYLVANIA

### Construction News

**Residence (alts. and add.)**, South Side, Bethlehem, Pa., \$12,000. Architect, David Levy, 938 Hamilton street, Allentown, Pa. Owner, Samuel Miller, 317 East Third street, Bethlehem, Pa. Brick, 3 stories, slate roof, steam heating, electric lighting, hardwood floors. Architect will take sub-bids in February.

**Time Checking Building**, Bethlehem, Pa., \$4,000. Architect, private plans. Owners, Bethlehem Steel Co., care of Wm. Tobias, P. A., Bethlehem, Pa. Brick and frame, 1 story, 30x30 feet. Plans in progress.

**Residence (alts.)**, 639 Center street, South Side, Bethlehem, Pa. Architect, C. F. Spangenberg, 504 Broadway, Bethlehem, Pa. Owner, Pasquale Cassara, Fourth and New streets, South Bethlehem, Pa. Frame, 20x40 feet, partitions, plastering, plumbing, electric lighting, cement work. Owner will take bids.

**Church**, First avenue, West Bethlehem, Pa., \$40,000. Architect, private plans. Owner, Rev. C. S. Joshue, 331 South Center street, Bethlehem, Pa. Brick, 1 story and basement, 60x90 feet. Plans in progress.

**Porch**, West Fourth street, Bethlehem, Pa., \$2,000. Architect, C. F. Spangenberg, 504 Broadway, Bethlehem, Pa. Owner, Albert Gradwohl, West Fourth street, Bethlehem, Pa. Granite, L shaped, 30x30 feet, slate roof, tile floor, stone railing. Owner is taking bids.

**Apartment and Store**, Fourth and New streets, Bethlehem, Pa. Architect, C. F. Spangenberg, 504 Broadway, Bethlehem, Pa. Owner, G. F. Metzgar, 14 East Goepp street, Bethlehem, Pa. Brick and stone, 4 stories, 40x60 feet, slag roof, composition and yellow pine floors, stone foundations, electric lighting, terrazzo work, skylights, elevators. Plans in progress.

**Power Plant**, State College, Pa., \$150,000. Architect, not selected. Owners, Pennsylvania State College, State College, Pa. Details undecided. Expenditure authorized by Board of Trustees of Pennsylvania State College.

**Engineering School**, State College, Pa., \$120,000. Architect, not selected. Owners, State College, State College, Pa. Details undecided. Expenditure authorized by Board of Trustees of Pennsylvania State College.

**Post Office**, Sunbury, Pa. Architect, Jas. A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Brick, reinforced concrete and stone, terra cotta, 1 story, 88x66 feet, composition and tin roof, concrete foundations, steam heating, electric lighting, marble and terrazzo work, cement floors, metal lath, safety treads, metal weatherstrip, ornamental iron work, waterproofing, dampproofing, wire work. Lowest bid submitted by A. E. Badgley, Binghamton, N. Y. Limestone, \$85,367; sandstone, no bid. West Chester Eng. Co., White Plains, N. Y. Limestone, \$88,949; sandstone, \$90,444.

**Club House**, 511 Welsh street, Chester, Pa., \$200,000. Architect, Clarence Brazier, Crozer Building, Chester, Pa. Owners, Chester Club, care of T. Wallison, 12 East Fifth street, Chester, Pa. Brick, 4 stories, marble front, 1 story, 67x111 feet, tile roof, hardwood floors, steam heating, electric lighting, tile and marble work, elevators, 2 fire escapes, ornamental iron work, elevators, large assembly room and dining room. Working plans in progress.

**Garage (alts. and add.)**, Hampton Road, Rydal, Pa. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owner, Estate of Eugene W. Fry, care of architects. Stone, 1½ stories, 20x16 feet, red tile roof, cement floors, electric lighting, gasoline storage system. Architects taking bids, due January 31st at noon. F. G. Stewart, 1619 Sansom street, Philadelphia; W. D. Lukens, North Wales, Pa.; E. D. Lever, Jr., Abington, Pa., and W. John Stevens, Inc., Wyncote, Pa., are figuring.

**Residence (alts.)**, Yardley, Pa. Architects, Fowler & Seaman, Broad Street Bank Build-

## New Jersey Construction News

**Hotel**, Browns Mills in the Pines, N. J. Architect, Reuben Beard, 1311 Commonwealth Building, Philadelphia. Owner, J. L. Langenberg, care of architect. Brick, 2½ stories, 40x80 feet. Preliminary plans in progress. Too early for details.

**Store (add.)**, 217 Broadway, Camden, N. J., \$4,000. Architects, Moffett & Stewart, Camden, N. J. Owner, J. Pilling, on premises. Brick, 1 story, stone foundations, plumbing, slag roof, yellow pine floors, electric lighting, plastering, hollow metal skylights, wire work. Plans in progress. Will be ready for bids about February 1st.

**Residences (5)**, Stuyvesant avenue, Trenton, N. J., \$3,000 each. Architect, private plans. Owner, J. H. Morris, Broad Street Bank Building, Trenton, N. J. Brick, 2 stories, 14x40 feet, pine floors, electric lighting, slag roof. Owner taking sub-bids.

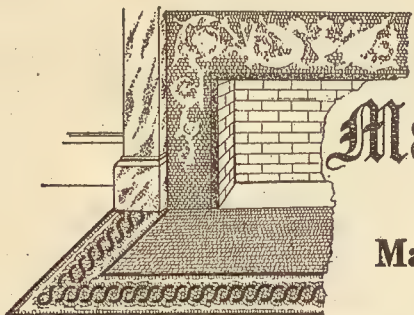
**Stable and Garage**, New Egypt, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owner, F. S. Kazenbach, Jr., Trenton, N. J. Frame, 2 stories, 24x70 feet, shingle roof, brick foundations, cement and wood floors, stoves, gas lighting, billiard room in end of garage, cedar beams. Architects taking bids, due February 8th.

**Cannery**, Mauricetown, N. J. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, P. J. Conserve Co., care of Wm. Ritter, 1626 Arch st., Philadelphia. Sketches not yet drawn. Too early for details.

**Garage and Warehouse**, Stockton street, Trenton, N. J. Architect, Wm. Kleeman, First National Bank Building, Trenton, N. J. Owner, Trenton Times, on premises. Brick and steel, 1 story, 50x40 feet, slag roof, concrete floors, electric lighting. Contract awarded to C. Y. Barlow, Trenton, N. J.

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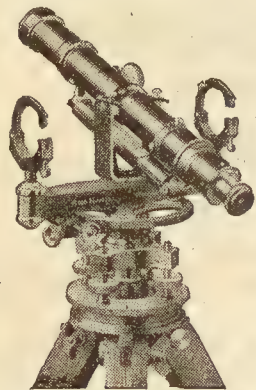
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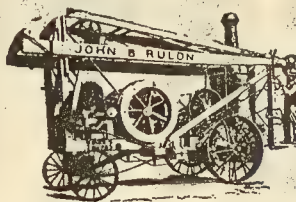
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## DELAWARE

## Construction News

**Club House (alts. and add.),** Wilmington, Del., \$30,000. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owners, Wilmington Country Club, Wilmington, Del. Frame, 2 stories, 36x60 feet, shingle roof, hardwood floors, vapor heating, electric lighting, tile and marble work. Ball Room, Locker Room, Dining Room, general interior alterations. Plans completed. Owners are ready for bids.

**Bungalow,** Claymont, Del. Architect, E. L. Rice, 815 Market street, Wilmington, Del. Owner's name withheld. Concrete and stucco, 1 story and basement, 22x48 feet, shingle roof, pine floors, stone foundations, electric lighting, hot water heating. Plans in progress.

**Manufacturing Plant,** \$14,000. Architect, E. L. Rice, 815 Market street, Wilmington, Del. Owner's name withheld. Brick, 4 stories, 39x54 feet, slag roof, stone foundations, vapor heating, combination lighting, wood floors, rolled steel skylights, elevators, roof ventilators. Plans in progress.

**Leather Factory,** Unit No. 3, Fourth and Monroe streets, Wilmington, Del. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Standard Kid Co., on premises. Power Plant, Boiler and Engine Room, Coal Pockets. Plans in progress.

**Leather Factory,** Unit No. 2, Fourth and Monroe street, Wilmington, Del. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Standard Kid Co., on premises. Brick, 4 stories, 40x90 feet, slag roof, steel sash, plank floors, electric lighting, elevators. Plans in progress. Architect will take bids in about two weeks.

**Time Office,** foot of Poplar street, Wilmington, Del., \$2,000. Architect, private plans. Owners, Pusey & Jones, on premises. Frame, studded asbestos, 2 stories, 16x54 feet, steam heating. Owners will build.

**Platform (add.),** Water and King streets,

Wilmington, Del., \$5,000. Architect, private plans. Owners, Pennsylvania R. R. Co., Broad Street Station, Philadelphia. Steel, frame and concrete. Owners will build.

**Leather Factory (add.),** Fourth and Monroe streets, Wilmington, \$20,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Standard Kid Co., on premises. Brick, 4 stories, 50x100 feet, slag roof, stone foundations, electric lighting, plank floors. Contract awarded to J. A. Bader Co., Wilmington, Del.

**Garage,** 2717 Harrison street, Wilmington, Del., \$1,139. Architect, private plans. Owner, A. P. Clock, Wilmington, Del. Brick, 2 stories, 18x20 feet, slate roof. Contract awarded to G. W. Raudman, Wilmington, Del.

### INVITATION FOR PROPOSALS.

**TREASURY DEPARTMENT,** Supervising Architect's Office, Washington, D. C., January 20, 1919.—Sealed Proposals will be opened in this office at 3 P. M. February 10, 1919, for a heating boiler, hot water tank, etc., for the Hospital Unit, Type "A," at the United States Marine Hospital at New York, N. Y. (Stapleton), in accordance with drawing and specifications, copies of which may be had at this office or at the office of the Superintendent, New York, N. Y., in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

An old legend tells of a magician's vase; the magician could get out of it only that which he put in. Advertising is just that. If you don't get into it the "kick" of salesmanship it is going to miss by just that much the pulling power it ought to have.

### Permits for New Buildings

Dwelling, east side of Erdrick street, south of Van Kirk street, \$2,500. Emil Diener (O), 5709 Erdrick street. Brick and frame, 2 stories, 36x24 feet, rubberoid roof.

Dwelling, 8216 Eastwick avenue, \$2,000. Deborah Bannett (O), 8204 Eastwick avenue. Simon Bannett (C), 8204 Eastwick avenue. Brick, 2 stories, 32x16 feet, slag roof, hot air heating.

Shop and Garage, 2123-25 Vine street, \$6,500. Edw. M. Harris (O), 2220 Chestnut street. Brick, 1 story, 38x120 feet.

### Alterations and Additions

Office, northeast corner of Nixon and Leverington streets, \$1,000. Simister Mills Co. (O), on premises. Brick, 1 story, 15x15 feet. E. L. Cuthbertson (C), 334 Roxborough avenue.

Dwelling, 5700 City avenue, \$10,000. Wm. Clayton Jones (O), 1520 Spruce street. Heating apparatus and alterations.

Garage, 1910 Atlantic street, \$800. F. E. Wallace (O), 1220 Chancellor street. Brick, 1 story, 29x31 feet.

Store, 909 Ellsworth street, \$850. Enrico Ricardo (O), 1134 South Ninth street. Tony Cippiano (C), 937 Federal street.

Stable, Twenty-sixth and Fletcher streets, \$300. Tasty Baking Co. (O), 2835 Sedgley avenue. Iron, 1 story, 12x26 feet.

Stable, northeast corner of Germantown avenue and Cumberland street, \$1,000. Breyer Ice Cream Co. (O), on premises. Wm. F. Koelle & Co. (C), Twenty-sixth and Oxford streets.

Factory, northeast corner of Forty-ninth and Merion avenue, \$600. Standard Roller Bearing Co. (C), Fiftieth and Lancaster avenue. Areaways in pavement, metal covering.

Store and Office, 1712 Chestnut street, \$500. Theo. Presser Co. (O), on premises.

Store and Dwelling, 1532 North Fourth st., \$1,500. F. G. Brenner (O), 1611 Germantown avenue. Otto Malz & Son (C), 2108 North Lawrence street. New flush bulk and interior alterations.

Warehouse (alts.), 1308 Vine street, \$10,000.

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Select Film Corp. (O), 1335 Vine street. Daniel J. McNamee (C), 1621 North Fifteenth street.

Additions (2), Guild House, southwest corner Second street and Tabor Road, \$20,000. St. Albans Church (O), on premises. Pomeroy Const. Co. (C), 1609 Ranstead street. Stone, 1 story, 12x25 feet, and 1 story, 13x25 feet.

Store and Dwelling, 2842 Kensington avenue, \$300. Frank Dilworth (O). A. Earl Barnes (C), 2048 East Wishart street. Removing plaster partition in store.

Packing House, Ninth and Noble streets, \$2,000. Swift & Co. (O), Ninth and Girard avenue. J. Sims Wilson Co. (C), 1125 Brown street. Alterations to Pen House for elevator.

Factory and Office, northwest corner of Thirteenth and Glenwood avenue, \$300. National Biscuit Co. (O), on premises. F. L. Hoover & Sons (C), 1023 Cherry street. New stairway and alterations.

Garage, 6510 Ridge avenue, \$750. John P. Strouse (O), 6510 Ridge avenue. Hollow tile and stone, 1 story, 22x26 feet.

Warehouse, 1308 Vine street, \$900. Select Film Corp (O), 1335 Vine street. P. M. Cohen (C), 3133 West Norris street. Reinforced concrete work.

Factory, 525 Cherry street, \$600. Jas. C. Duffy (O), Morris building. Wm. Meyer Co. (C), 216 Quarry street.

Office, northeast corner of American and Dauphin streets, \$800. A. Cox Stove Co. (O), on premises. J. Borden & Bro. (C), 637 N. Nineteenth street.

Bakery, 3917-21 Cambridge street, \$23,000. Felton & Schneider (O), 4914 Chancellor st. Saidel & Feldman (C), 5749 Walnut street. Brick, 1 story, 86x12 feet.

Garage, 409 North Tenth street, \$1,000. J. S. Coulter (O), Stephen Girard Building. F. I. Wintz (C), 1618 North Twenty-seventh street. Fire repairs.

Factory, 1932-38 Reese street, \$2,100. G. Steffan (O), 1932 Reese street. Harry Brocklehurst (C), 512 West Norris street.

Fire Repairs, northeast corner of Fifty-fifth and Wyalusing avenue, \$600. Egan (O), 6112 Lansdowne avenue. Wm. J. Reiner (C), 1551 North Sixtieth street.

Store and Dwelling, northeast corner of Tenth and Daly streets, \$300. Howard W. YYoung (C). Sixth and Porter streets.

Dwelling, State Road, north of Linden avenue, \$1,000. Mrs. Susan Thompson (O), East Cumberland street. Chas. Schwartz (C), 9343 Frankford avenue. New foundations, new joist and window.

Saloon, 4701 Rising Sun avenue, \$300. Henry McIntyre (O), 2712 West Allegheny avenue. Wm. Marriott (C), 207 West Cambria street. Brick, 1 story, 18x3 feet.

Warehouse, 1423 West McFerran street, \$1,000. James Henry (O), on premises. Robert Beatty & Bro. (C), 2321 East Fletcher street. Repair brick work, new doors and window frames.

Stores, 4258-60 Main street, \$350. Estate of Catherine Schofield (O), 425 Lyceum avenue. New bulks.

Factory, 133 West Master street, \$1,500. Wright Manufacturing Co. (O), on premises. Flooring over areaway. Waright Const. Co.

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Inc. (C), 302 West Master street.

Shop, 2021-23 South Percy street, \$1,800. Burt Bros. (O), 2009 South Ninth street. Brick, 2 stories, 31x24 feet.

Storage, southeast corner of Twenty-eighth and Arizona streets, \$1,000. A. Pinkerton (O), 3034 West York street. Second story addition, 33x50 feet.

Pent House, Hospital, northeast corner of Tulip and Allegheny avenue, \$900. Northeastern Hospital (O), on premises. Robert E. Lamb Co. (C), 843 North Nineteenth street. Skylights.

Office, 3 and 5 East Woodlawn avenue, \$1,240. Dr. Lutz (O), on premises. Chas. Johnson (C), 5701 Boyer street. New door frame and repairs.

Commission Stores, northwest corner of Dock and Front street, \$2,900. Agostino Barber (O), 254 South Front street. H. C. Dahl (C), 231 South Eighth street. Alterations.

Garage, 2445 North Eighth street, \$2,644. Chas. Keenan (O), on premises. H. C. Zingraf (C), 2527 North Seventh street. Fire repairs.

Shop, northeast corner of Canal and Poplar streets, \$1,500. Smith, Kline & French (O), on premises. Frank G. English (C), 1608 N. Carlisle street. Alterations.

### HOUSING AND RECONSTRUCTION

(Continued from Page 56)

The difficulties you have to encounter are greater than have had to be encountered in England for several reasons. In the first place national and municipal housing in England has been a subject of experiment for thirty or forty years. Theories and fallacies have been put to the test of practical experience. It has been ascertained what is the line of least resistance and what are the actual financial responsibilities to be faced in providing housing accommodation. People have become accustomed to obtaining assistance from national funds for housing purposes and all countries and communities are almost above everything else the slaves of custom.

There is also another difference between the American and the English

point of view, which has to be considered. During the first year of war very little attention was given in England to the questions of reconstruction and readjustment after the war or to housing or any other social question. As the war developed, people in Britain came to recognize that the questions of reconstruction and readjustment of industrial and social conditions after the war were next in importance to the prosecution of the war itself. Hence in the midst of the war, in 1915, they created a Ministry of Reconstruction in England with housing and town planning as one of its most important fields of enquiry. On the whole, it has to be recognized that the national housing policy of the United States has had nothing to do with the question of reconstruction. It is purely a wartime policy and anything which goes beyond the provision of houses needed for the prosecution of the war will be outside the scope of the policy hitherto pursued.

The provisions of houses, as part of a policy of reconstruction, has still to be begun in this country as in Canada. Yet what were among the reasons you inaugurated a war housing policy? Why did your Government vote hundreds of millions to house war workers? Read the evidence before Committees of Congress and you will find that some of the most important reasons were that it would increase output in the shipbuilding yards and munition plants by increasing the efficiency and contentment of the workers and that it would help you to win the war by stabilizing labor conditions. Are these reasons without application to peace industries? If it is true that you needed good housing to win the war is it not equally true that you need good housing to win and maintain the victory of peace?

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Professor Irving Fisher, of Yale, estimates that you would save from \$1,500,000,000 to \$3,500,000,000 a year with better health conditions; that you lose 300,000 persons annually by deaths from preventable diseases; that your feeble-minded children cost you \$60,000,000 and crime \$600,000,000 a year. Much of this is undoubtedly due to unsanitary homes.

The house-owning population of this continent is not so large as is sometimes assumed. Your census of 1910 showed 54.2 per cent. of your homes were rented and 45.8 per cent. owned—but of those owned 15 per cent. were encumbered with mortgages—reducing the homes owned free to about 30 per cent.—with probably half of that figure in the older States and cities.

Only 12.1 per cent. are owned in New York.

Your best informed social and public health workers declare that all they can do to relieve the social wreckage is counterbalanced by bad housing conditions. As Mrs. Bacon says, these conditions pile up the wreckage faster than the churches can evangelize, the schools educate, or the doctors cure. I think it is a fair thing to say that you lost more of your citizens of working age during the recent influenza epidemic than you did in the war largely because of crowded and unsanitary dwellings.

It is not only from congestion and slums in the cities that we suffer. We have bad conditions in the country districts in Canada—and so have you. These bad conditions give the sceptic the ground for arguing that all the talk about slums causing a high death rate is nonsense, that it is the people who live in the slums who cause those conditions, as witnessed by the sickness and death rate in the rural districts. Is it any excuse for unhealthy conditions in the cities that you have unhealthy conditions in the country? Is it not all the more to be deplored that the degenerating influences of the city slum are not even counteracted by the absence of similar influences in the rural districts? Even in the great West with its vast spaces and cheap building materials you have slums on the prairies and hillsides. Listen to this from the May Review of your Department of Labor:

"The California Commission of Immigration and Housing has determined in connection with the riot which occurred on the hop ranch near Wheatland on August 3rd, 1913, that probably the most contributory factor was the poor housing and sanitary accommodations afforded the workers."

This problem of bad housing is a national problem, affecting both rural and urban life. The war has shown us the importance of reconstructing our rural conditions with a sounder scheme of rural organization in the interests of the city as well as of the country.

The war housing problem has passed into history so far as housing purely war workers is concerned, but there still remains the problem of making up for the shortage of houses caused by scarcity and dearness of labor, materials and money.

Bad housing conditions are not caused by scarcity so much as by defective government and false economic ideals; as during times of an excess supply of houses the slum conditions always persist in nearly as great a degree as at other times. The scarcity, however, creates a shortage among the more highly skilled laborers and the middle classes and makes the problem more extensive, as we have it today—with overcrowding not only among the poor, but among the well-paid artisans, clerks and professional classes. We need more houses as well as better houses.

Then there is another type of housing question which needs special attention; and for which we of this generation have least excuse. This is the continued building of unsanitary shacks and crowded three-deckers in the open country all around the fringe of our cities and towns.

Broadly speaking, the problem of housing may be divided into three parts and the remedies three in number. We must apply the rule of the three R's to deal with them. We must raze the slums, raise the standard of our housing codes in regard to existing dwellings, and raise the better type of new dwelling.

Good forms of private enterprise will benefit from all these remedies, but as a result of age-worn prejudice promoters of good and bad forms of private enterprise will object. To make slum-owning illegal will destroy private enterprise; let that kind be destroyed. To raise standards of housing codes will make building dearer; let it be dearer so long as we get value for our money. Wages will respond to the higher standards. In every country where housing standards are low, wages are low. The German people are amongst the lowest-paid and the worst housed. About 65 per cent. of the people of Berlin live in two rooms or less, as against 25 per cent. in London. Two-thirds of the Berlin people live in tenements of five stories or over. That is the chief reason for the high

tuberculosis death rate, and the excessive illegitimacy of Berlin, and for the fact the only 19 per cent. of the sons of Berlin-born parents were fit for military service. Wages keep in proportion to these low standards, and the contrary is also true where standards are higher.

In regard to new construction private enterprise will benefit all the time, by raising standards and employing public money and advice. Only the wild-cat speculator in land and the usurious lawyer who finances jerry-building will lose business, and both of these will gain in soul what they lose in cash.

Putting aside these obstructive elements which have prevented progress in the past, what is to be our program to deal with this great problem, and how is it linked up with the whole question of reconstruction? We will still find many Hindenburgs pinning their faith in the discipline of the front-line trenches that are cut through the industrial field disregarding the social conditions of the badly housed multitude in the slums of civil life in the rear, which may bring their highly organized and scientific industrial machinery to a sudden stop and destroy all their plans and dividends. A few weeks ago the German Army appeared to be still defiant and unbroken; now we know it to have been merely the outer shell that hid the rottenness at the core, produced by an over-confidence in military science and failure to recognize that success in war, as in peace, rests on the stability of the social organization that lies at the foundation of either a military or industrial army. In our industrial organization we have been prone to follow the German precedent in military organization—and to fail in emphasizing the spiritual qualities in our national life that in the long run are needed to give complete satisfaction to our material wants.

In Britain the program of reconstruction includes the restoration of shipping; the building up of the supply and allocation of raw materials needing to be replenished; the restoration of the means of transportation by road and rail; the re-organization of industries, the demobilization and reinstatement of returned men; the formation of Industrial Councils composed of employers and employees to adjust differences between capital and labor; the netting up of Interim Reconstruction Committees to advise regarding local aspects of reconstruction; the improvement of working conditions in field and factories; the increase of food production and the improvement of rural organization; and the settlement of the problem of finance. All

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of these matters are of extreme importance.

Added to these are Health, Housing and Education. As the Minister of Reconstruction says, "All reconstruction policy must be based upon a healthy and vigorous population."

We must frame our policies so as to include the quality as well as the quantity of life if industrial and human progress is to be maintained in these growing countries.

The housing policy in England is an integral part of their town planning policy. It is recognized as a result of long experience that you cannot deal successfully with housing unless you deal at the same time with the proper and economic development of the land—which is town planning. Good housing connotes adequate light and air, restriction of density on the building lot, improvement of sanitation and street surfaces round the dwelling, healthy and agreeable environment, and all these things can only be secured by proper planning of the land, and not by mere planning of the dwelling itself. A good housing policy as far as reconstruction is concerned means, therefore, one which takes care of building the houses, planning the sites, planning and constructing the local improvements, and dealing with questions of local transit. You must deal with all these questions simultaneously, if you are to make new housing measures successful. The United States Steel Corporation and other companies and other bodies recognize that by buying and planning whole town sites for housing their employees. But there must also be a simultaneous policy of improving the dwelling that exist and a courageous policy of demolishing those that are unhealthy.

In this matter we need to employ the best architectural brains, to enquire into the most economical forms of building houses and constructing local improvements, etc.

England proposes to spend at least \$600,000,000 on new houses in three years after the war and the State will meet 75 per cent. of the loss due to expected falling in value of materials and labor during the next seven years. This will mean a national contribution of about \$188,000,000 and a local contribution of about \$47,000,000. England will simultaneously insist on the standards of private construction being raised; and will go on demolishing its slums. No less than 60,000 houses were made fit by landlords in 1913 under Government compulsion. The density of house building in England will be governed by town planning schemes, fixing twelve houses to the

acre in towns and eight to the acre in cities. Land purchase, local transit, and house building will proceed side by side. You cannot deal with the housing problem by public enterprise unless you control the land and local means of transportation. It is even more important to buy the land and provide it with local improvements and transit, under a proper town planning scheme than to build the houses. The latter is the field that can be best left to private enterprise, and \$1 spent on land and land development goes as far as \$7 spent on building.

You need to deal with these three matters simultaneously to make your public or private housing schemes successful.

Do not fear the cost of slum clearance. It is a reproductive expenditure. Liverpool has cleared 32 acres of slums and erected healthy dwellings for 12,000 people at a total cost of \$4,550,000 of which \$365,000 was spent on street widenings. Slum clearance is necessarily expensive. It involves payment of a penalty for past neglect, but it must be done.

Throughout your cities and round your suburbs potential slums are also being created today. These need to be regulated by stronger building codes. Population will be found spread over good idle land at the rate of 1 to 3 to the acre getting services of water and sewers at the expense of the city and surrounding municipalities fit for forty or fifty people to the acre—or else living in unsanitary conditions. Here it is that town planning is most needed, and the indirect attack on slum conditions must be begun. We need to spread our people—but spread them evenly, healthily and according to plan.

In addition to your natural growth of population you have to provide better conditions for your new immigrants. The increase of population in England only requires 67,874 houses, annually; in Canada we need 32,706 for a fifth of the resident population of England, and owing to your rapid growth you need 319,553 houses a year to house your increase at 5 persons to a house.

The increase in cost of labor and materials started before the war.

The dearth and scarcity of money and labor have prevented, and will continue to prevent, private builders from erecting small houses. The increase in rents, although considerable, has not yet reached the point that makes it worth while for the building speculator to invest in building, even if capital and labor were available. On the other hand, the wages of working men have not advanced in proportion to the increase that

has already taken place in rental values, so that any further increase, needed to enable private enterprise to resume building operations, is unlikely. The situation may gradually right itself, but it will take many years and meanwhile much hardship and injury will be caused and serious discontent and dissension may be created.

*The Responsibility of the Federal Government* raises a very large and difficult problem. There is, undoubtedly, a body of opinion opposed to the idea that it is the business of the Government to assist in building houses or that, if in an emergency, such Government action is necessary, then it is the duty of the State or Provincial rather than the Federal Government. I am convinced that, whatever policy may be regarded as expedient, or as most in conformity with the traditions and nature of Government in Canada and the United States, it is unlikely that any satisfactory solution of the new housing problem will be obtained, unless the Federal Government takes the initiative in promoting an active co-operation between itself and the Provincial Government and Municipalities. To make such initiative and co-operation effective, it is essential that there should be some form of financial aid given and the utmost administrative assistance that would be acceptable to the provinces.

The war housing policy of the United States has left behind it machinery which will be of great aid in developing the country, in creating a field for employment after the war, in attracting immigrants, and in improving the efficiency of the workers.

There are special reasons why the building of houses, the planning and construction of highways and the control of land development should receive further consideration by the Federal Governments of Canada and the United States. It is becoming more and more recognized that the success of both the manufacturing and agricultural industries depend on the efficiency of the worker and that the provision of good housing conditions and environment is necessary, to produce that efficiency. The building up of industries and the increase of production generally also depend on good housing conditions being provided. The permanent settlement of new immigrants in town and country and the successful colonization of the land can be promoted to a greater extent than appears to be recognized, by urban and rural housing schemes. In all these matters the Federal Government would appear to have responsibility and could give aid and



guidance which no other body—provincial or municipal—can render.

For the next year or two, we will be passing a stage of transition in connection with trade, commerce, immigration, labor and all forms of industry. There will also be changes in economic conditions from the present somewhat artificial state caused by the war. How to stabilize industrial conditions, provide employment in reproductive undertakings and spend every dollar to the best advantage in building up the country, is the supreme task of the next few years. There would appear to be no doubt that, by whatever means it is to be accomplished, the stimulation of building is one of the best methods of promoting employment and stimulating industry.

It will be particularly valuable as a means of employing men displaced as a result of cessation of industries which have been engaged in war production, and returned soldiers. Besides forming a field of employment of these classes, it will assist the returned soldier in obtaining cheaper and better shelter for himself and family in proximity to his place of employment. Under present conditions returned men will find it almost impossible to obtain suitable accommodations and this may give rise to serious discontent.

Neither the provinces nor the municipalities can deal effectively with this matter without leadership and financial aid from the Federal government. It is a problem of national proportions needing stimulus and expert guidance from the central department.

There is a danger of treating the problems of reconstruction in a piece-meal way, without sufficient regard being paid to underlying social conditions. There is also danger of treating housing as an isolated problem of reconstruction. There is probably no problem of greater importance or that more needs the co-operation of the statesmen of the country than that of housing in relation to both industrial reconstruction and rural development after the war. But it is only a part of the more comprehensive problem of development of the industrial and national resources of the country. Any scheme to ameliorate present housing conditions should be a part of a scheme of general reconstruction.

#### CONCLUSION.

I recommend:

1. That a sum of money be appropriated by the Federal Government for the purpose of assisting Provincial or State Governments to improve housing

conditions; and a further sum for the purpose of assisting in the improvement of highways and construction work in connection with the development of land for housing purposes.

2. That a Federal Development Board be appointed to administer the above fund, in co-operation with the Government departments interested in other problems of reconstruction and land development; and also with development committees or boards to be appointed in each Province or State.

3. That the Board: (a) Investigate questions of displacements of labor in relation to housing and the effect of changed economic conditions caused by scarcity of capital, labor and materials and make recommendations with regard to readjustment.

(b) Advise in connection with the securities of more complete and accurate data regarding topographical, physical and industrial and social conditions, as a basis for promoting sound schemes of housing, transportation and land development, assisting in affording employment to returned professional men, and generally promoting industry.

(c) Frame regulations to facilitate joint and speedy local action, and make reports and recommendations in respect of future policies to be adopted.

(d) Inquire into architectural, engineering, and financial problems in connection with the building of houses and the construction of local improvements and promote methods to secure greater economies by means of improved planning, standardization, or other methods.

(e) Draw up standard specifications of construction, model by-laws relating to building and sanitation, and model designs of buildings suitable for urban or rural locations, and take such other steps as may be considered desirable to promote the improvement and increase of dwellings for purposes of the industries of agriculture and manufacture.

"Have you Americans any conception of what the requirements of France will be, when the allies have won the war and our country begins its work of reconstruction?" This question was asked me a few days ago by a prominent business man of Paris, who, having been gassed, can no longer fight, and is visiting in this country, says H. H. Windsor in the *Popular Mechanics Magazine*. From what he proceeded to relate it is evident that comparatively few on this side do realize what our export trade to France is destined to become.

"For many years," he said, "our people secured their machinery, printing presses, tools, electric machinery, and lighting fixtures, etc., all from Germany. This was because German prices were lower than other countries. But now! Germany could not name a price which would induce a Frenchman to buy of her, no matter what his need. England will be busy supplying her own wants and those of her export trade, hence we are looking to your country. Our textile mills, nearly all of which were in north-east France, have long since been destroyed and the machinery carried into Germany. Our textile manufacturers are already making a new start in south-west France, securing what little machinery they can. With the end of the war this industry will be one of the first to resume, and we shall require, of textile machinery alone, over 200,000,000 francs. I could go down a list of a hundred articles whose requirements, while not so great, will in the aggregate total a vast sum. Partly because our people regard the Americans so highly, and are full of admiration for the splendid things they are doing in our country, and partly that we may know and read your language great numbers of our people are studying English, not only to be able to read it, but to speak it as well. We expect to offer such attractive opportunities, especially to constructive engineers and mechanics of all kinds, that thousands of your young men will remain in France, at least during the first two or three years of reconstruction."

All live men are advertisers, and the only man who should not advertise is the man who has nothing to offer to the world in the way of human service, and such a man is a dead one, whether he knows it or not. Advertising is a legitimate and ethical proposition. Life is too short for you to hide yourself away, mantled in your modesty, and let the world hunt you out. Even the dead are advertisers, for on visiting a beautiful cemetery the other day, I noticed that on nearly every marble slab was given a list of the virtues, talents and beautiful qualities which the dead man was supposed to have carried in stock. This is what you call non-productive advertising, or advertising from an emotional standpoint.—Elbert Hubbard.

A retailer may fool himself by failing to charge all of his expenses into his cost of doing business, but his expenses will come out of his gross profits just the same.—E.S.

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| Reserve for Sundries | - | - | 160,000.00      |
| Surplus              | - | - | 8,317,502.26    |

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\$28,477,242.66

|                                |   |   |                  |
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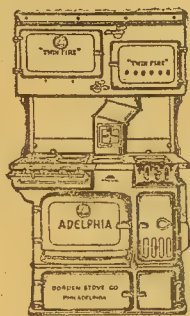
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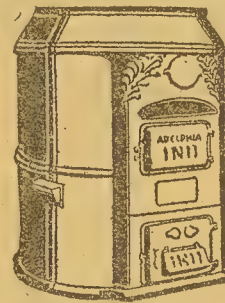
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February 5, 1919

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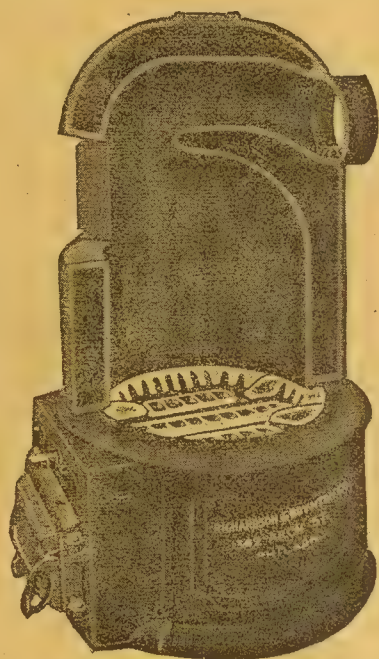
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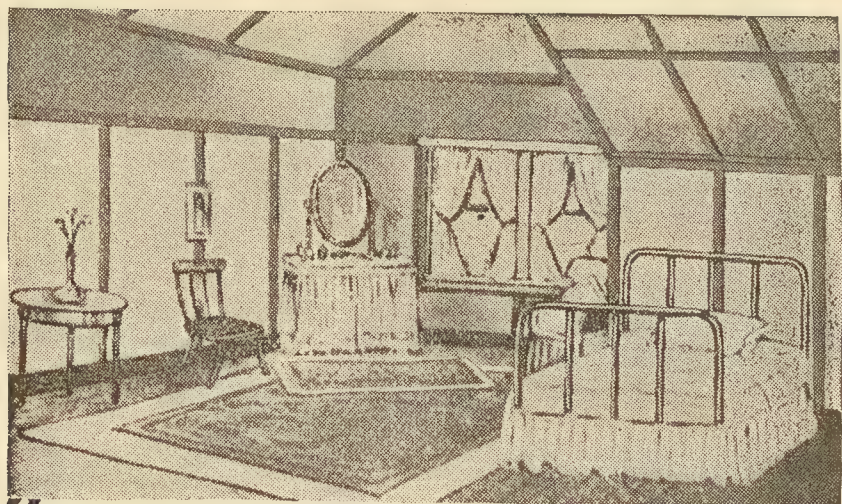


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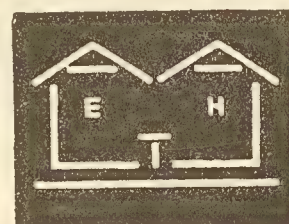
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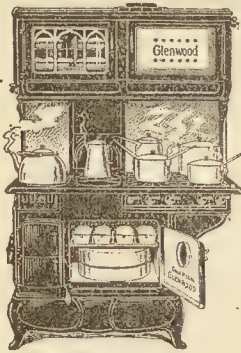
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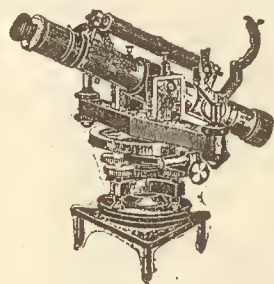
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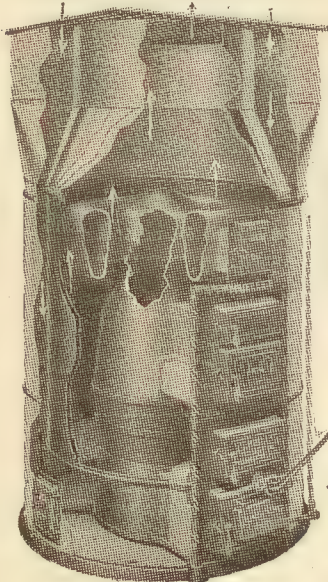
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
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VOLUME XXXIV  
Number 6

PHILADELPHIA  
February 5, 1919

## BUILDERS' GUIDE

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Sixteenth and Chestnut Sts., Philadelphia, Pa.

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## As The Editor Sees It



THE twenty-second annual meeting of the Octavia Hill Association of Philadelphia, was held last week in that city. We have before commented in these columns in the work of Octavia Hill Association, and Philadelphia should be proud of an organization which is so successfully offering a solution for the need of better housing conditions. It is of particular interest that the report of the Association shows net earnings for the year of \$8,819.71. The association owns and controls 416 buildings, providing accommodations for 731 families. The treasurer showed the amount of capital stock outstanding is \$257,700, and stock amounting to \$24,725 had been issued during the year. The income of the Association from rents on its own properties amounted to \$22,623.38. Dividends on the stock of the Philadelphia Model Homes Company amounted to \$1400. Commissions on agency collections and from other sources amounted to \$6105.87.

The Association is an active agent for the betterment of living conditions in the city, and it is high time that the citizens of Philadelphia support the investigations made by such an Association and strive for the civic betterment which is its aim. According to F. C. Feld, Superintendent of the Association, "A great pile of filth and ashes all mixed up together were found a year ago near eleven houses at Naudain and Kenilworth streets in South Philadelphia, which the

Children's Aid Society received by bequest, and the matter was properly reported to the nuisance division of the Housing and Sanitation Division of Public Health and Charities. Yesterday I was at the same property and the same pile of filth was still there."

The property in question was purchased by the Association for \$10,000, and repairs and improvements when completed will cost \$11,000. The condition of the houses when purchased was described by Mr. Feld.

"Six families were living in six rooms," he said, "the water supply had been frozen for two months and there was one toilet which was out of commission. Reports were made to the various departments of the City Hall and this is not an isolated case.

"There is initiative needed by the city departments to find out conditions which obtain in the city and to see that the needed work is done. What good are laws and all this sort of stuff when we are not at the business of enforcing the law?"

Robert D. Kohn, architect of New York City and recently chief of production, housing division, United States Shipping Board, upheld the action of the State of Massachusetts in its plan for providing houses at a low cost for workers.

Through its Homestead Commission, said Mr. Kohn, within the last two years, through the money loaned by the State

at a low rate of interest out of certain reserve funds quite a number of decent houses have been provided at low cost. This State action points the way to the solution of one of our problems.

Mr. Kohn agrees with the other authorities on this great question, that proper housing conditions apply not only to the houses themselves, but to comprehensive and intelligent town-planning, always with the future growth and development of the community in view.

"Cheap money, cheap loans," added Mr. Kohn, "are really at the basis of any scheme to meet the needs of the working classes. And provision must be made for complete community life."

The Octavia Hill Association has shown what may be accomplished in the establishment of healthful and sane living conditions; the State of Massachusetts has already established a precedent in the financing of town-planning and housing developments, how long must we wait for other States to formulate some constructive policy on this vital question? If such action does not result, then one of the most valuable lessons the war has taught us will be of no avail.

"What is the first thing the war has shown us?" asked Lloyd George of England in a recent speech. The Premier answers for us:

"The appalling waste of human material in this country. There is hardly any material placed by Providence in

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this country which is so much wasted as human life and human strength and human intellect—the most precious and irreplaceable material of all. I have previously said something about the figures of the recruiting officers. Those who were in charge of recruiting came to the conclusion that, if the people of this country had lived under proper conditions, were properly fed and housed, and lived under healthy conditions—had lived their lives in their full vigor—you could have had a million more men available and fit to put into the army. That is a very appalling figure, and it is not merely that. When you have not lost life you have depressed the vitality of life. There are millions who are below par. You cannot keep even animals in their full vigor unless you give them good conditions. You cannot do it with men and women, and you cannot bring up children under bad conditions. There are millions of men's lives which have been lost as a result of the war, but there are millions more of maimed lives in the sense of undermined constitutions through atrocious social conditions that you have got in consequence of the whole of the terrors of this great war. You must put that right. Put it at its lowest—all trade, commerce, and industry, they all suffer through it. A vigorous community, strong, healthy men and women, is more valuable even from the commercial and industrial point of view than a community which is below par in consequence of bad conditions. Treat it if you like not as a human proposition, but as a business proposition. It is good business to see that the men, the women, and the children are brought up and sustained under conditions that will give strength and vigor to their frames, more penetration and endurance to their intelligence, and more spirit and heart than ever to face the problems of life, which will always be problems that will require fighting right from the cradle to the tomb. That is the first problem. One of the ways of dealing with that is, of course, to deal with the housing conditions. Slums are not fit homes for the men who have won this war or for their children."

Looking at the question, then, from a purely business standpoint, does not the waste in lives, and human strength and human efficiency, produced by bad living conditions, outweigh any waste which may result from construction during this period of high prices?

"Camouflage" doesn't pay in advertising. Don't call your cannon a bit of landscape. Be honest and gain the confidence of the public.

## RETRAINING THE DISABLED MAN AS AN ECONOMIC SAVING COMPENSATION TO BUILDING INDUSTRY

BY DOUGLAS C. MCMURTRIE,

*Director, Red Cross Institute for Crippled and Disabled Men, Twenty-third Street and Fourth Avenue, New York City.*

In the past, our method of dealing with the man permanently disabled in the course of employment has been to pay the worker a pension in the form of compensation, and forget him and his injury. But the cost of disability to the building trade has not been alone in the premiums paid for casualty insurance. There has been the cost involved in the training experience, and adaptation of a skilled worker who does not return to his job, and the fitting of a newcomer to take his place.

There are three means of reducing and approaching the complete elimination of the cost of disability: first, accident prevention; second, thorough medical attention to minimize the disability resulting from the injury, and third, salvage of the remaining abilities of the worker through rehabilitation for self-support. The first of these has already received wide attention from employers and has wisely been encouraged in a financial way by casualty insurance companies and State funds. The values of the two latter have, however, not as yet been appreciated. Their energetic application would effect a tremendous saving to industry.

Many injuries from which men would completely recover in a short time under adequate and high-grade medical attention are treated for an insufficient time, or by incompetent physicians and, instead of a prompt return to work, the case at best drags along over an extended period and at worst becomes chronic or develops into permanent disability. Some States require the insurance carrier to provide but two weeks of compulsory free medical attention to the injured man. For the insurance company to take advantage of this limitation is the most short-sighted policy possible, because for every dollar saved in physicians' or hospital fees, the insurance carrier pays out later ten dollars in compensation. And what the insurance company pays is actually paid by the insuring employers in their regular premiums.

Unlimited medical attention of the highest grade should be an axiom of casualty practice. It should be insisted upon by employer and workman alike. The best outcome of any injury is to have the employee return to his job as a well man in the shortest possible time.

It is well to develop a science of dealing with cripples, but the ideal is to have fewer and fewer cripples with which to deal.

The third method of attack on the cost of disability is rehabilitation for self-support—the re-education of an injured man for an occupation which he can follow, or a process which he can perform, in spite of his handicap. The science of rehabilitation is new, and the experience in it has practically all been gained in the effort to make sound and just provision for the disabled soldier or sailor. Every country among the recent belligerents is to-day operating a comprehensive system of re-education for disabled soldiers, and is placing upon that system more dependence than upon the pension system.

Paying a man a small monthly or weekly stipend on which he is expected to live in idleness is not a very constructive method. With the breakdown of confidence in the pension system, it was realized that the only real compensation for disablement was restoration of capacity for self-support. It was further realized that very few jobs require all the physical faculties and that in the present-day variety of industrial processes, it is possible to find a job in which a man with a given type of disability can function 100 per cent. efficient. Some jobs are standing, some seated, others require walking about, some jobs at a bench working on small articles require but little strength, others involve great physical exertion. Still others do not require the sense of hearing, in others the sense of sight is not essential. Finding the future work of the disabled man, therefore, requires expert and painstaking choice, but a successful selection is possible even for the seriously handicapped. The first aim is to place the man back in a different job in his own trade or in a trade closely related. In such a job his past experience will stand him in good stead. Failing this, he can be re-trained for a different line.

The process of re-training the disabled is known as re-education, and can best be provided in a special school for crippled men. The first school of this kind in the United States is the Red Cross Institute for Crippled and Disabled

(Continued on Page 75.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Sunday School**, Fifty-third and Spruce sts., Philadelphia. Architect, George E. Savage, 5047 Spruce street, Philadelphia. Owners, Bethany Temple Presbyterian Church, care of Rev. Dr. Asa J. Ferry, 5013 Pine street. Stone. Preliminary plans completed. Working details not decided.

**Temporary Enclosure and Addition**, 1616 Master street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, Jewish Welfare Board, 1616 Master street, Philadelphia. Brick, 40 feet 7½ inches x13 feet, slag and asbestos single roof, steam heating, electric lighting, tile and marble work, iron work. Architect taking bids, due February 6th. Smith-Hardican Co., 1606 Cherry street; F. B. Davis, 240 North Sixteenth street; W. O. Springer, 1624 Latimer street; Lam Building Co., 1001 Wood street; B. Bornstein, 1510 North Franklin street; H. Seidman, 1312 North Sixth street, are figuring.

**Garage**, Thirteenth and Wallace streets, Philadelphia. Architect, private plans. Owner's name withheld. Brick, concrete and terra cotta, 1 story, 38x82 feet and 32x26 feet, asphalt roof, concrete floors, metal window guards, iron work. Albert Zellfelder, 151 South Broad street, is taking sub-bids.

**Moving Picture Theatre**, South Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner's name withheld. Brick, steel, hollow tile, 1 story, 76x126 feet, slag roof, cement floors, ornamental plastering, concrete foundations, steam heating, electric lighting, tile work, mill work, metal ceiling. Plans in progress.

**Factory**, Philadelphia. Architect, Jacob Naschold, 217 East Tabor Road, Philadelphia. Owner's name withheld. Brick, slow burning, 5 stories, 38x90 feet, rolled steel sash, slag roof, ventilators (2), wood floors. Plans in progress. Architect will be ready for bids in two weeks.

**Sunday School**, Eighth and Luzerne streets, Philadelphia. Architect, Albert F. Schenck, Real Estate Trust Building, Philadelphia. Owners, St. Simeon's Evangelical Lutheran Church, care of Rev. Karl L. Reisner, 4064 North Twelfth street, Philadelphia. Stone and brick, 2 stories, 64x62 feet, slag and slate roof (heating and plumbing reserved), mineral composition and pine floors, tile work, metal lath, ornamental iron work. Owners taking bids. E. J. Kreitzburg, 1345 Arch st., is figuring.

**Dwelling and Store (alts. and add.) to Stores and Apartments**, Fifty-second and Spruce streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Henry J. McLean, 907 South Forty-ninth street, Philadelphia. Brick, 2 stories, 18 feet 10 inches x91 feet, slag roof, hardwood floors, hot water heating, electric lighting, tile work, hollow metal skylight, metal bulks, metal ceiling. Owner taking bids.

Smith-Hardican Co., 1606 Cherry street, is figuring.

**Residences (20)**, 2000 block Sixty-fifth avenue, Oak Lane, Philadelphia. Architect, Malcolm Coffin, Neshaminy, Pa. Owner, Wm. H. Lebrich, 2840 Ridge avenue, Philadelphia. Brick, 2 stories, slag roof, hardwood floors, hot air or steam heating, electric lighting, tile work. Plans completed. Owner is ready for sub-bids.

**Residences (10 or 12)**, Edgemont above Cumberland street. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Drehmann Paving Co., Twenty-sixth and Parrish streets, Philadelphia. Brick, 2 stories, 14x36 feet, slag roof, stone foundations, hot air heating, gas lighting yellow pine floors. Owners are taking sub-bids.

**Garages (2)**, McCallum street and Westview street, north of Lincoln Drive, \$3,200. Architect, private plans. Owner, James N. Mitchell, Forty-sixth and Market streets, Philadelphia. Stone, 1 story, 13x20 feet, slate roof and terra cotta, 1 story, 19x19 feet, electric lighting. Owner will build.

**Garage (add.)**, 2237 North Thirtieth street, \$2,000. Architect, private plans. Owner, C. J. Williams, 3200 Arizona street, Philadelphia. Brick, 2 stories, 24x21 feet, slag roof. Owner will build.

**Ice Plant (alts.)**, 2127 Clearfield street, Philadelphia. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owner, Jacob Hornung, on premises. Lighting and refrigeration, slag roof, concrete floors. Architects taking bids, due February 5th. H. E. Grau Co., 1707 Sansom street; P. Haibach Cont. Co., Twenty-sixth and Thompson streets; F. I. Wintz, 1618 North Twenty-seventh street, Philadelphia, are figuring.

**Store and Shop**, 3954 York Road, Philadelphia, \$6,000. Architect, private plans. Owner, Thomas Hawkins, 3852 Germantown avenue, Philadelphia. Stone, 1 story, irregular size, slag roof, cement floor, electric lighting. Owner will build.

**Fire House, Police Station, Boiler House and Stable**, Twenty-fourth and Ritner streets, Philadelphia. Architect, Philip H. Johnson, 1713 Sansom street, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, City Hall. Brick and concrete, limestone, granite and terra cotta, fireproof, stone foundations, 52½x46 feet, 1 story, 96x98 feet, 2½ stories, 46x52½ feet, wing 46x103 feet, stone foundations, slate roof, cork brick, terrazzo, marble, tile, granolithic and wood block and wood floors (electric lighting, steam heating, plumbing reserved), marble and terrazzo work, rolled steel sash and skylights, steel doors, metal lockers, iron stairs, ornamental iron work, hollow tile, metal lath, safety treads, metal window guards, metal weatherstrips, waterproofing, dampproofing, wire screens, wire work. Lowest bidders: Frank G. Stewart, 1619 Sansom street, \$289,000;

No. 2, \$13.50; No. 3, \$3.50. William Linker Co., 831 Cherry street, \$290,000; No. 2, \$11.50; No. 3, \$2.50.

**Garage, Storage House and Coal Storage Shed**, add. to Boiler House, Tulip and Westmoreland streets, Philadelphia. Architect, private plans. Owner, Wm. S. Diamond, on premises. Brick, 1 and 2 stories, 266x32 feet, slag roof, stone foundations, cement floors, 1 electric elevator. Owner, care of John S. Bush, Jasper and Thayer streets, has received bids.

**Residences (6)**, St. Martins, Philadelphia. Architects, Duhring & Ziegler, Bailey Building, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Hollow tile and stucco, brick party walls, 2½ stories, 38x40 feet, stone foundations, shingle roof, hot water heating, electric lighting, tile work, oak and yellow pine floors. Plans in progress. Owner will take bids in ten days.

**Business Building (alts.)**, 112 South Fourth street, Philadelphia. Architect, Samuel D. Hawley, 34 South Seventeenth street, Philadelphia. Owners, Fourth Street Club, on premises. Alterations to second and third floors, changing partitions and heating, electric lighting, plastering, painting, plumbing. Plans in progress. Architect will be ready for sub-bids in two weeks.

**Garage**, Queen Lane and Schuyler street, Philadelphia. Architect, S. D. Hawley, 34 S. Seventeenth street, Philadelphia. Owner, C. G. Kirkpatrick, care of architect. Brick, 1 story, 60x90 feet, slag roof, stone foundations, steam heating, electric lighting, cement floor, roof ventilators. Plans in progress. Architect will take bids in about three weeks.

**Residences (27)**, North Philadelphia. Architect, J. Ethan Fieldstein, Penfield Building, Philadelphia. Owner's name withheld. Brick, 2 stories, 16x45 feet, slag roof, stone foundations, hot water heating, electric lighting. Plans in progress.

**Additional Emergency Hospital Buildings (6)**, at U. S. Naval Hospital Reservation, Spec. 3687, Gray's Ferry Road, Philadelphia. Architect, private plans. Owners, U. S. Government, care of C. W. Parks, Chief, Bureau of Yards and Docks, Navy Department, Washington, D. C. Observation Ward, Officers' Hospital and Subsistence Building, Ward Buildings, Garage and Greenhouse, hollow tile, stucco, brick, steel and reinforced concrete, 2 stories, various sizes, covering 38,500 square feet area, concrete foundations, steam and hot water heating, electric lighting, ready and slate roof, composition, cement and yellow pine floors, hollow tile, metal lath, rolled steel sash, galvanized iron skylights, fire and kalamein doors, roof ventilators, metal window guards, waterproofing, dampproofing, refrigerators, kitchen equipment, dumbwaiters, wire work. Lowest bidders: Dawson Const. Co., Union Trust Building, Washington, D. C.,

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\$227,000; Melody & Keating, 1322 Race street, Philadelphia, \$243,000.

**Recognition Booths, Shelter and Fences,** Spec. 3771, Navy Yard, Philadelphia. Architect, private plans. Owners, U. S. Government, care of Department of Public Works, Navy Yard, Philadelphia. Frame and concrete, wire fence, concrete piers, ready roof, electric lighting. Lowest bidders: Turner Concrete Steel Co., 1713 Sansom street, \$12,950; M. H. McCloskey, Jr., 1620 Thompson street, \$13,532.

**Water Tower, Pump and Tank House,** Spec. 3682, Twenty-fourth and Gray's Ferry Road, Philadelphia. Owners, U. S. Government, care of C. W. Parks, Chief, Bureau of Yards and Docks, Navy Department, Washington, D. C.,

or Commandant of Fourth Naval District, Twelfth and Chestnut streets, Philadelphia. Steel, concrete and brick, 1 story, 24x24 feet, 18½x13½ feet, 40,000 gallon capacity wooden tank, slate or ready roof, concrete floors, hollow tile, metal lath, electric lighting, waterproofing. Lowest bidder, M. H. McCloskey, Jr., 1620 Thompson street, \$15,000.

**Residences (64),** Ruscomb and B streets, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, Jacob C. Kerman, 3418 Kensington avenue, Philadelphia. Brick, 2 stories, 16x47 feet, slag roof, stone foundations, hot water heating, combination lighting, oak floors, cement work. Plans completed. Owner is ready for sub-bids.

Narberth, Pa. Brick and stucco, 1 story, 22x22 feet, stone foundations, steam heating, electric lighting, cement floor, asbestos roof. Contract awarded to Wm. T. Harris, Narberth, Pa.

**Garage (alts. and add.),** 415-17 Moore st., Philadelphia, \$2,000. Architect, private plans. Owner, Joseph Titman, 419 Moore street, Philadelphia. Brick, 32x115 feet, cement floors. Contract awarded to George H. Evans, 45 N. Thirteenth street, Philadelphia.

**Sunday School (alts.),** northeast corner of Third and Tabor Road, \$3,000. Architect, private plans. Owners, First Presbyterian Church, Olney, Philadelphia. Plastering walls and cement floor of basement. Contract awarded to F. L. Hoover & Son, Inc., 1023 Cherry street.

**Store (alts.),** Seventh and Eighth and Market streets, Philadelphia, \$5,000. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Lit Brothers, Eighth and Market streets, Philadelphia. Brick and fireproofing, steam heating, cement floors, hollow tile, safety treads, fire doors, iron work, plumbing, plastering and painting. Contract awarded to H. E. Baton, 1713 Sansom street, Philadelphia.

**Elevator Shaft, Store Building,** 1217 Sansom street, \$4,500. Architect, private plans. Owners, Bailey, Banks & Biddle, 1218 Chestnut street, Philadelphia. Steel and plaster, 6 stories, slag roof, metal lath, hollow metal skylights. Contract awarded to P. M. Sax, Franklin Bank Building, Philadelphia.

**Garage,** Sixty-fourth and Saybrook avenue, \$3,200. Architect, private plans. Owner, Hamilton J. Farrell, 6352 Paschall avenue. Brick, 1 story, 17x8 feet and 9x18 feet, slag roof, cement floor, electric lighting. Owner will build.

**Factory (add.),** northeast corner of Adams and Gaul streets, \$3,200. Architect, private plans. Owners, La Lowry Top and Body Co., on premises. Open shed, frame, 1 story, 28x71 feet. Contract awarded to A. P. Fraim, 319 Market street, Philadelphia.

**Garage (int. alts.),** 106 West Norris street, Philadelphia, \$1,850. Architect, private plans. Owners, Gates Candy Co., 106 West Norris street. Interior alterations, refrigeration. Contract awarded to Davis & Clayton, 1819 North Twentieth street, Philadelphia.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Tank Storage Building,** 1084 Beach street, Philadelphia, \$4,000. Architect, private plans. Owner, George G. Pierre, Jr., 144 E. Allen street, Philadelphia. Concrete floors for tank supports. Contract awarded to Turner Concrete Steel Co., 1713 Sansom street.

**Store and Dwelling (alts. and add.),** 1352 Wagner avenue, Philadelphia, \$3,000. Architect, private plans. Owner, Andrew McCabe, on premises. Brick, 3 stories, 15x25 feet, slag roof, steam heating, pine floors, tile work (heating, plumbing and electric work reserved). Contract awarded to George H. Evans, 45 North Thirteenth street, Philadelphia.

**Garage (add.),** 1924 Arch street, Philadelphia, \$1,500. Architect, private plans. Owners, R. R. Bringhurst Co., on premises. Brick and steel, 10x25 feet, slag roof, cement floors, electric lighting, hollow metal skylights. Contract awarded to Pomeroy Const. Co., 1608 Ranstead street.

**Storage Building,** northeast corner of Twenty-fifth and Hunting Park avenue, \$4,900. Architect, private plans. Owners, Edw. G. Budd Co., on premises. Iron and brick, 1 story, 23x100 feet, composition roof, hollow metal

skylights. Contract awarded to Steward & Stevens, Inc., 1724 North Nineteenth street.

**Store and Dwelling (alts.),** 1331 Point Breeze avenue, \$2,700. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, D. Welsh, on premises. Structural iron, cabinet work, flush bulks, metal ceiling, polished marble, electric lighting. Contract awarded to Frank & Kayser, 1522 South Sixth street.

**Store and Dwelling (alts. and add.),** 2030 N. Front street, \$3,500. Architect, private plans. Owners, S. C. & M. Marcus, on premises. Brick, 2 stories, 5x18 feet and 19x7 feet, slag roof. Contract awarded to M. Yellin, 712 N. Franklin street.

**Boiler Room,** Seventeenth and Parkway, Philadelphia, \$6,500. Architect, private plans. Owners, Medico Chirurgical Hospital, on premises. Brick, 1 story, 17x18 feet, slag roof, concrete foundations. Contract awarded to Solomon Bros., 263 South Eighth street, Philadelphia.

**Garage,** 6320 Drexel Road, Philadelphia. Architect, private plans. Owner, Wm. T. Harris,

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*At left: Sub-power Station, Boston Elevated Ry., Somerville, Mass.*

*At right: Transfer Station, Boston Elevated Ry., Fgleston Square, Boston.*

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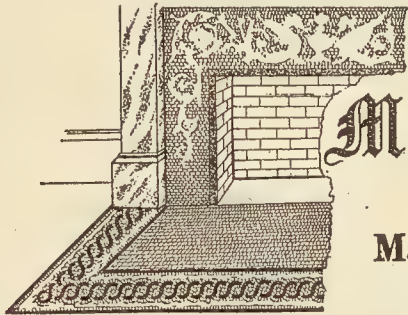
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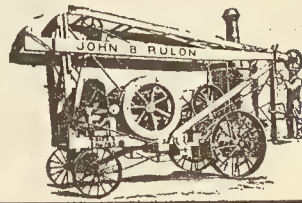
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Owners, Franklin and Marshall College, Lancaster, Pa. General interior alterations, bath rooms, etc., hardwood floors, hot water heating, electric lighting. Architect taking bids, due February 9th. H. L. Wiand, H. Wohlsen and J. P. Brennerman, all of Lancaster, Pa., are figuring.

**Operation of Residences, Harrisburg and President avenues, Lancaster, Pa., \$4,000 each.** Architect, private plans. Owner, J. F. Gallagher, care of National Bearing Co., Lancaster, Pa. Brick, 2 stories. Contemplated.

**Residence and Garage, Harrisburg College and Lancaster avenues, Lancaster, Pa., \$20,000.** Architect, private plans. Owner, F. J. Gallagher, care of National Bearing Co., 637 Lancaster avenue, Lancaster, Pa. Brick, 2½ stories. Work contemplated.

**Residences (100), Hershey, Pa., \$3,000.** Architect, C. Emlen Urban, Woolworth Building, Lancaster, Pa. Owners, Hershey Improvement Co., care of J. B. Leitheiser, manager, Hershey, Pa. Brick, frame and stucco, 2 stories. Plans in progress.

**Residences (6), Jackson street, Lancaster, Pa.** Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, Ray Clark, 124 South Ann street, Lancaster, Pa. Brick, 2 stories, 18x35 feet, composition roof, yellow pine floors, hot air heating, electric lighting. Plans in progress. Owner will take sub-bids.

**Restaurant (alts.), Penn Square, Lancaster, Pa.** Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, Charles Hall, Penn Square, Lancaster, Pa. General interior alterations. Plans in progress.

**Garage, Christiana, Pa., \$10,000.** Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, Wm. H. Brown, Christiana, Pa. Brick, 1 story, 50x120 feet, composition roof, cement floors, electric lighting, gasoline storage system. Plans in progress. Will take bids in about two weeks.

**Store Front (alts.), 142 North Queen street, Lancaster, Pa., \$2,500.** Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, Miss Anna Sprher, Lancaster, Pa. Flush bulk, glazing. Architect taking bids.

**Houses (8 or 10 blocks), Twenty-sixth and Derry streets, Harrisburg, Pa.** Architect, private plans. Owners, Solhand & Sedelerin, 36 North Third street, Harrisburg, Pa. Frame, 2½ and 3½ stories, 14x45 feet and 16x55 feet, combination lighting, all modern improvements. Work contemplated.

**Office Building, 613 Walnut street, Harrisburg, Pa., \$10,000.** Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Witman Schwarz, care of C. K. Dean, on premises. Brick, 1 story, 26x80 feet, slag roof, maple floors, electric lighting. Preliminary plans in progress.

**School, Palmerton, Pa.** Architect, C. H.

## PENNSYLVANIA Construction News

**Public Garage, Sixth and Elm streets, Reading, Pa., \$10,000.** Architect, C. J. Young, 249 Jameson street, Reading, Pa. Owners, G. & C. Eisenbrown, 300 North Sixth street, Reading, Pa. Brick, 2 stories, 40x136 feet, gasoline storage system, slag roof, cement floor. Owners are taking sub-bids.

**Candy Factory, 217 Poplar street, Reading, Pa.** Architect, George S. Gerhard, 619 Penn street, Reading, Pa. Owners, Wm. H. Luden Co., 216 North Eighth street, Reading, Pa. Brick, 4 stories and basement, mill construction, stone foundations, 100x150 feet, electric lighting. Owners taking bids.

**Houses (24), North Reading, Pa.** Architect, W. A. Fink, 426 Franklin street, Reading, Pa. Owner, J. H. Albrecht, Eleventh and Washington avenue, Reading, Pa. Brick or stone, 2½ stories, 18x76 feet, tin roof, yellow pine floors, concrete foundations, hot water heating. Plans in progress.

**Houses (20), North Reading, Pa.** Architect, W. A. Fink, 426 Franklin street, Reading, Pa. Owner, John H. Albrecht, Eleventh and Washington streets, Reading, Pa. Brick, 2½ stories, 18x76 feet, tin roof, stone and concrete foundations, hot water heating, electric lighting, yellow pine floors. Owner will take sub-bids in two weeks.

**Store Building (extension), Coatesville, Pa.** Architect, A. A. Ritcher, Sixth and Court sts., Reading, Pa. Owners, National Bank of Chester Valley, Coatesville, Pa. Brick, 1 story, 30x50 feet, composition roof, stone foundations, steam heating, electric lighting. Plans about completed. Owners will be ready for bids in a week.

**Residence and Garage, Wyneefield, Pa.** Architect, Harry Gordon McMurtrie, 1112 Walnut street, Philadelphia. Owner's name withheld. Stone, 2½ stories, 28x42 feet, wing 16x24 feet. Garage, 1 story, 25x30 feet, slate roof, cement and hardwood floors, hot water heating, electric lighting, stone foundations. Plans in progress.

**Schools (4), Bethlehem, Pa.** Architect, Verus T. Ritter, North American Building, Philadelphia. Owners, Bethlehem School District, care of H. W. Lewis, chairman, Bethlehem, Pa. Brick and stone, various sizes. Plans about completed. Architect will be

ready for bids in about two weeks.

**Residence (alts. and add.) to Farm House, near Devon, Pa.** Architect, R. Brognard Okie, 916 Crozer Building, Philadelphia. Owner, A. T. Baker, Jr., Devon, Pa. Stone and frame, 2 stories, 30x45 feet, shingle roof, stone foundations, hot air heating, electric lighting. Architect has received bids.

**Residence and Garage, Ardmore, Pa.** Architects, Seeburger & Rabenold, Weightman Building, Philadelphia. Owner, Granville B. Hopkins, Ardmore, Pa. Stone, 2½ stories, 30x100 feet. Garage, 1 story, 20x25 feet, shingle roof, stone foundations, hot water heating, electric lighting, tile work, oak floors. Plans in progress.

**Residence, Drexel Hill, Delaware County, Pa.** Architect, Edwin Grant Rorke, Drexel Hill, Pa. Owner, Mr. Kessler, care of architect. Brick and rough cast, 2½ stories, 34x44 feet, tile roof (vacuum heating, electric lighting, hardwood floors, hardware, plumbing, gas fitting, lighting fixtures, vacuum cleaner equipment reserved), tile work, concrete foundations. Architect taking revised bid from F. B. Davis, 240 North Sixteenth street, Philadelphia.

**Men's Hospital, Gettysburg, Pa., \$30,000.** Architects, Gemmill & Billmeyer, Rossmiller Building, York, Pa. Owner, J. M. Warner, Gettysburg, Pa. Brick, 2 stories, stone foundations, slag roof, steam heating, electric lighting, tile and marble work, hollow metal skylights, hardwood floors, elevators, wire work. Plans in progress.

**Residence, Red Lion, York County, Pa.** Architects, Gemmill & Billmeyer, Rossmiller Building, York, Pa. Owner, Wm. Neff, Red Lion, York County, Pa. Stucco, 2½ stories, 31x50 feet, shingle roof, hardwood floors, stone foundations, hot water heating, electric lighting, tile work. Plans in progress.

**Business Building (alts.), 34 North George street, York, Pa., \$5,000.** Architects, Gemmill & Billmeyer, Rossmiller Building, York, Pa. Owner, Edw. Herr, on premises. New front, store fixtures, general alterations. Plans in progress.

**Residence, Franklin and Marshall College Campus, Lancaster, Pa.** Architect, Emlen C. Urban, Woolworth Building, Lancaster, Pa.

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Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Palmerton School Board, care of W. M. Krewgon, secretary, Palmerton, Pa. Brick, 1 story, 150x80 feet, slate roof, stone foundations, steam heating, electric lighting, maple floors. Plans completed. Architect ready for bids, due February 16th.

Office and Recreation Building, Cameron street, Harrisburg, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Morehead Knitting Co., care of R. M. Morehead, on premises. Reinforced concrete. 2 stories, 60x125 feet, slag roof, maple floors, electric lighting. Plans in progress.

Residence, Front street, Harrisburg, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Wm. M. Hargest, 222 Market street, Harrisburg, Pa. Brick, 2½ stories, 55x30 feet, slate roof, concrete foundations, steam heating, electric lighting, tile and marble work, hardwood floors. Plans in progress.

Garages (2), Thirteenth and Market streets, Harrisburg, Pa. Architect, private plans. Owner, J. F. Sassaman, Swan and Mentor streets, Harrisburg, Pa. Corrugated iron, concrete floor. Plans in progress. Owner will build.

Garages (12), Herr, between Second and Third streets, Harrisburg, Pa., \$25,000. Architect, private plans. Owner, J. F. Sassaman, Swan and Mentor streets, Harrisburg, Pa. Corrugated iron, concrete floors. Owner will build.

Residence (alts. and add.), Haverford, Pa. Architects, Brockie & Hastings, 1713 Sansom street, Philadelphia. Owner, W. M. Anderson, 600 Schuylkill avenue, Philadelphia. Stone, general alterations, slate roof, oak floors, tile work, painting. Plans in progress.

## Pennsylvania Contracts Awarded

Bakery (add.), Third and Grape streets, Reading, Pa., \$50,000. Architect, C. J. Young, 246 Jameson street, Reading, Pa. Owners, Reading Baking Co., on premises. Reinforced concrete, 4½ stories, 60x75 feet, slag roof, concrete foundations and floors, electric lighting, elevator, steel sash, roof ventilators, waterproofing and concrete hardener, iron stairs, wire work. Contract awarded to Chas. Schlegel, Reading, Pa.

Apartment (alts. and add.), 428 West Oley street, Reading, Pa., \$5,000. Architect, C. J.

Young, 241 Jameson street, Reading, Pa. Owner, Edw. W. Moyer, on premises. Brick, 3 stories, 17x30 feet, tin roof, yellow pine floors, vapor heating, electric lighting. Contract awarded to George Kline, Reading, Pa.

Store and Apartment, Tenth and Penn sts., Reading, Pa. Architects, Muhlenberg Bros.,

511 Penn street, Reading, Pa. Owners, Geissler Bros., 730 Penn street, Reading, Pa. Stone and brick, 3 stories, 24x120 feet, tin roof, pine and tile floors, hot water heat, electric light, tile and marble work. Contract awarded to Daniel H. Hunter, Reading, Pa., who is taking sub-bids.

## DELAWARE

## Construction News

Residence (alts. and add.), Holly Oak, Del., \$8,000. Architect, Rosecoe C. Tindall, 914 Orange street, Wilmington, Del. Owner's name withheld. Frame and stucco, 2½ stories, 32x40 feet, hot air heating, electric lighting, hardwood floors, interior alterations. Plans in progress.

Church, Clayton, Del. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Rev. Father Connell, Clayton, Del. Brick, 1 story and basement, 30x65 feet, shingle roof, hot air heating, electric lighting, concrete foundations, hardwood floors. Working plans in progress.

Dwelling (alts. and add.), West Penn avenue, Wilmington, Del. Architect, private plans. Owner, Wm. M. Francis, 2303 Delaware avenue, Wilmington, Del. Stone, 3 stories, 73x57 feet. Owner will build.

Residence (alts. and add.), 701 Van Buren street, Wilmington, \$1,500. Architect, private plans. Owner, Chas. S. Lynch, on premises. Brick, 75x105 feet, plumbing and interior alterations. Owner will build.

Garages (15), rear of 305 West Twenty-sixth street, Wilmington, \$3,750. Architect, private plans. Owner, Frank R. Zebley, 1302 King street, Wilmington, Del. Brick, 1 story, 10x20 feet, slate roof, concrete foundations. Owner will build.

Club House (alts. and add.), Wilmington, Del., \$30,000. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owners, Wilmington Country Club, Wilmington, Del. Frame, 2 stories, 36x60 feet, shingle roof, hardwood floors, vapor heating, electric lighting, tile and marble work, Ball Room, Locker Room, Dining Room, general interior alterations. Owners taking bids, due February 8th. Wm. D. Haddock & Co., 804 Orange street, and John E. Healey & Son, 707 Tatnall street, both of Wilmington, Del.; Pomeroy Const. Co., 1608 Ranstead street, are figuring.

Residence and Store (add.), 715 King street, Wilmington, \$4,000. Architect, private plans. Owner, Thomas Carasarelli, 715 King street, Wilmington, Del. Brick, 1 story, 15½x28 feet. Contract awarded to Wm. Haddock & Co., 804 East Orange street, Wilmington.

Apartment, 504 West Twenty-second street, Wilmington, Del., \$7,350. Architect, private plans. Owner, Mrs. Dickerson, 2509 Van Buren street, Wilmington, Del. Brick, 2 stories, 26x35 feet, asbestos shingle roof, stone foundations, steam heating, electric lighting. Contract awarded to Rogers & Thompson, Twenty-sixth and Van Buren streets, Wilmington, Del.

## Miscellaneous Construction News

Office Building, Sparrows Point, Md. Architect, Edw. L. Palmer, Jr., 513 North Charles street, Baltimore, Md. Owners, Bethlehem Steel Co., Bethlehem, Pa. Brick and concrete, fireproof, 1 story, 102x37 feet, slate roof, concrete foundations, steam heating, electric lighting, tile and marble work, concrete floors, roof ventilators. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

### INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 30, 1919.—Sealed proposals will be opened in this office at 3 P. M., March 3, 1919, for the construction of the United States Post Office at Walden, N. Y. Drawings and specifications may be obtained from the custodian of the site at Walden, N. Y., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

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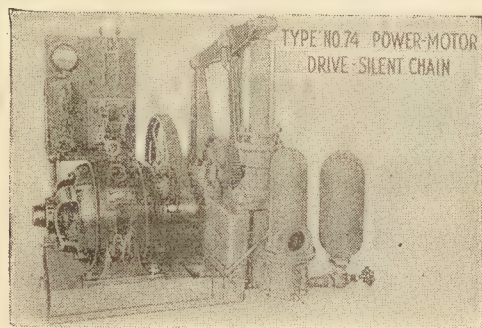
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## Permits for New Buildings

**O** is the abbreviation for owner. **C** is for contractor.

### Philadelphia

Garage, 2614-20 Harold street, \$2,500. F. M. Venzie (O), 2610 Huntingdon street. Barclay White Co. (C), 1713 Sansom street. Iron, 1 story, 72x38 feet, 8x24 feet and 63x34 feet.

Garage, 2611 Huntingdon street, \$1,500. F. M. Venzie (O), 2610 Huntingdon street. Barclay White Co. (C), 1713 Sansom street. Iron, 1 story, 32x26 feet and 18½x74 feet.

Storage Building, 3302-04 Fairmount avenue, \$4,000. Jas. J. Gault (O), 204 North Twenty-second street. E. E. Hollenback, Inc. (C), 1804 Brandywine street. Brick, 1 story, 40½x50 feet and 60½x28½ feet.

Coal Bins, Huntingdon street and Trenton avenue, \$1,750. Kensington Hygeia Ice Co. (O), on premises. P. M. Coltn (C), 3133 West Norris street. Reinforced concrete.

Garage, Chew and Upsal streets, \$1,000. Edward Wiegand, on premises. George C. Fossell (C), 5606 Utah street. Brick, 1 story, 24x22½ feet, slate roof.

Garage, Preston street and Spring Garden street, \$600. Henry Gibson (O), 4041 Spring Garden street. Brick, 1 story, 16x17 feet, slag roof.

Storage Building, northeast corner of Twenty-fifth and Hunting Park avenue, \$4,900. Edw. G. Budd Co. (O), on premises. Steward

& Stevens Iron Works (C), 1724 North Ninth street. Iron and brick, 1 story, 23x100 feet, skylights.

Store and Shop, 3954 York Road, \$6,000. Thos. Hawkins (O), 3852 Germantown avenue. Stone, 1 story, irregular in size and shape.

Garage, east side of McCallum street, north of Lincoln avenue, \$1,200. James N. Mitchell (O), Forty-sixth and Market streets. Stone, 1 story, 13½x20 feet, slate roof.

Garage, south side of Westview, north of Lincoln avenue, \$2,000. James N. Mitchell (O), Forty-sixth and Market streets. Terra cotta tile, 1 story, 19x19 feet.

Dwellings (13), \$46,800. Fifty-eighth and Ludlow streets. Calvin W. Rogers (O), 4826 Walnut street. Brick, 3 stories, 14½x40 feet and 14½x29 feet, 12x10 feet, slag roof, hot water heating.

Garage, east side of Orianna street, north of Bristol street, \$350. Charles A. Rapp (O), 620 Lycoming street. Wm. Miller (C), 4320 North Third street. Brick, 1 story, 14x15 feet, slag roof.

Ash Bin, northeast corner of C and Allegheny avenue, \$1,875. Thos. Halton's Son (O), on premises. Drehmann Paving Co. (C), 2622 Parrish street. Reinforced concrete.

Ball Co. (O), on premises. Brick, 1 story, 10x12 feet, slag roof. Addition to pump house and alterations.

Dwelling, Bottling Plant and Stable, 612-14 Moore street, \$10,500. N. Drassner (O), 1909 South Sixth street. Brick, 2 stories, 25x53 feet, 48x63 feet.

Dwelling, 4307 Spruce street, \$500. John D. Badenhausen (O), on premises. Le Roy K. Smith (C), 4007 Chester avenue. Enclosing front porch.

Dwelling, northwest corner of Cliveden st. and Wissahickon avenue, \$1,000. Chas. H. Stoer (O), on premises. H. P. Werner (C), 2345 Germantown avenue. Alterations and repairs, steam heating.

Motion Picture Theatre to Garage, 415-17 Moore street, \$2,000. Jacob Titman (O), 421 Moore street. Geo. H. Evans (C), 45 North Thirteenth street.

Store and Dwelling, 432 South Sixtieth st., \$2,000. J. Selar (O), 436 South Sixtieth street. A. Sonnenfeld (C), 287 South Sixty-third st. Brick, 2 stories, 16x8 feet.

Sunday School, northeast corner of Third and Tabor Road, \$3,000. First Presbyterian Church (O), Olney. F. L. Hoover & Son (C), 1023 Cherry street. Cement work and plastering.

Store and Dwelling, 736 South street, \$650. M. Regenberg (O), on premises. D. Goldstein (C), northwest corner of Sixth and Jackson streets. Brick, 1 story, 13½x16 feet, slag roof.

Garage, 84 West Johnson street, \$2,000. Martin J. Leater (O), on premises. Brick, 1 story, 28½x104½ feet.

Shop, 5542 Chestnut street, \$1,000. E. Schuster (O), on premises. C. E. Biddle (C), 1105 Real Estate Trust Building. Brick, 1 story, 16x24 feet.

Store (add.), \$2,000, 134 South Sixtieth st. Max Secon (O), on premises. Max Cutler (C), 1220 North Firty-second street.

Boiler Room, Parkway and Seventeenth st., \$6,500. Medico-Chi Hospital (O), on premises. Solomon Bros. (C), 263 South Eighth street. Brick, 1 story, 17x18 feet, slag roof.

Garage, 2115-19 South Second street, \$2,500. Sol Hopkins (O), Sixtieth and Pine streets.

Garage, 2237 North Thirtieth street, \$2,000. C. J. Williams (O), 3200 Arizona street. Brick, 2 stories, 24x21 feet.

Saloon and Restaurant, 4047 Lancaster avenue, \$2,000. J. W. Salus (O), Thirteenth and South streets. John W. Emery (C), 1737 N. Fifteenth street.

Dwelling and Garage, 1201 Fishers avenue, \$400. Julius Guetter (O), on premises. M. H. Hertsch (C), Logan.

Store, northwest corner of Sixty-first and Larchwood avenue, \$300. A. F. Dry Cleaning

## PERMITS FOR

## Alterations and Additions

**O** is the abbreviation for owner. **C** is for contractor.

### Philadelphia

Stores, 5604-06 Tacony street, \$800. John D. Williams (O), Ogontz. Robt. Beatty & Bro. (C), 2321 East Fletcher street. Repair fronts.

Office, 3819 Frankford avenue, \$800. J. Hilton (O), D street and Wyoming avenue. H. Crompton & Bro. (C), 4614 Oakland street. Iron on iron, 1 story, 9x10 feet.

Boiler for Steam Heating, northeast corner

of Adams and Gaul streets, \$1,800. Tacony Toy and Body Co. (O), on premises. Philadelphia Steam Heating Co. (C), Philadelphia.

Store, southwest corner of Thirteenth and Federal streets, \$800. Marion De Simone (O), on premises. Brick, 2 stories, 23½x17½ feet.

Manufacturing Building, northeast corner of Fourth and Glenwood avenue, \$400. Atlas

**We have pebbles all sizes. Cost less than what you are using. DAVID  
FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.**



## AMERICAN Metal Weather Strip Co.

**C. W. MacDOWELL, Mgr.**  
2 118 Diamond Street, Philadelphia

Co. (O), on premises. L. W. Zell (C), Cardington, Pa. rick, 1 story, 14½x28½ feet.

School, 6063 Drexel Road, \$600. Mrs. S. J. Sayward (O), 6063 Drexel Road. M. W. Young (C), 2012 North Sixtieth street. Cedar shingle.

Store and Dwelling, 1410 Point Breeze avenue, \$1,000. S. Follins (O), on premises. W. F. Rentschler & Bro. (C), 2631 Girard avenue. Heating apparatus.

Office, 132 South Fourth street, \$10,000. S. M. Weld & Co. (O), 427 Chestnut street. John Dear (C), 4544 Greene street. Brick, 1 story, 32x36 feet, and 1 story, 11x14 feet.

Store and Dwelling, southeast corner of Howard and Dauphin streets, \$1,100. John Isler (O), on premises. M. Morrison (C), 2322 Howard street. Flush bulks and alterations.

Store, southeast corner of Eighth and Filbert streets, \$9,000. Lit Brothers (O), Eighth and Market streets. Lam Building Co. (C), 1001 Wood street.

Wholesale House, 18 South Front street, \$4,580. Philadelphia Trust Co. (O), 415 Chestnut street. W. J. Burton (C), 2108 Sedgley avenue. Fire repairs.

Store and Dwelling, northwest corner of Forty-second and Leidy avenue, \$1,000. A. Susskin (O), on premises. M. J. Benamy (C), 3042 West York street. Flush bulks and alterations.

Store and Dwelling, 1732 Ridge avenue, \$300. M. Morris (O), on premises. M. Smookler (C), 2447 North Thirtieth street. New flush bulk.

Dwelling and Chauffer's Quarters, Cliveden street and Wissahickon avenue, \$4,000. Chas. H. Stoer (O), on premises. H. P. Werner (C), 3245 Germantown avenue. Brick, 2 stories, 28x30 feet, shingle roof.

Garage, 611 North Fortieth street, \$1,500. I. Sokoloff (O), 405 Market street. The Daly Corp. Co. (C), Bywood, Delaware County, Pa. New boiler and radiator.

Bank Building, 410 South street, \$12,000. People's Bank (O), Seventh and Girard avenue. Smith-Hardican Co. (C), 1606 Cherry street.

Store, 213 South Thirteenth street, \$1,200. M. Lousols (O), on premises. K. Paffi (C), 960 North Seventh street. Brick, 2 stories, 18x20 feet.

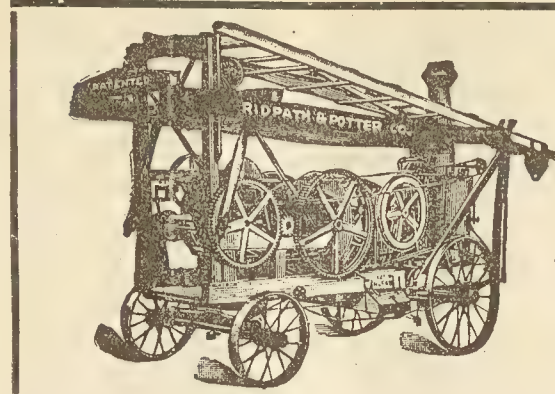
Hospital, northwest corner of Seventeenth and Summer streets, \$2,000. Orthopaedic Hospital (O), on premises. H. H. Burrell (C), 206 South Quince street.

Store, 1432 Chestnut street, \$900. Geo. B. Watson Estate (O), Pennsylvania Building. Basch & Co. (C), 1426 South Front street.

Factory, west side of Dupont street, south of Silverwood street, \$6,500. Stafford & Co. (O), Krams avenue, Manayunk, Philadelphia. Wm. H. Eddleman & Sons (C), Green Lane. Brick, 4 stories, 14x13 feet.

Dwelling and Garage, 2615-21 Huntingdon street, \$2,000. F. M. Venzie (O), 2610 Huntingdon street. Barelay White & Co. (C), 1713 Sansom street. Brick and iron, 1 story, 9x12 feet, 28x11 feet and 63x18 feet.

Dye House, southeast corner of Front and Venango streets, \$600. J. M. Kennedy, Jr. (O), 1001 Chestnut street. F. P. Kennedy (C),



## We Drill Wells and Get Water Test Borings and Soundings

LET US SUBMIT PRICES

**RIDPATH & POTTER CO**

487 Bourse Building  
Philadelphia, Penna.

Boudinot and Westmoreland streets. Boiler foundations.

Residence, 1514 South Seventh street, \$350. I. Weiss (O), on premises. A. Yermanack (C), 3828 Cambria street.

Store and Dwelling, 2637 West Girard avenue, \$645. M. Hackenburg (O), 2639 West Girard avenue. F. I. Wintz (C), 1618 North Twenty-seventh street. New flush bulk.

Dwelling, 5737 Vine street, \$800. F. Mariano (O), on premises. N. Ivacchinio (C), 2227 Moore street.

Store and Dwelling, 4911 Wayne avenue, \$1,200. Chas. Palo (O), on premises. Brick, 2 stories, 16x10 feet, tin roof.

Store, 925-27 Market street, \$120,000. L. W. Hirsch & Co., 923 Market street.

Bakery, 1218 Mifflin street, \$1,000. Rocco Cianto (O), on premises. Brick, 14½x16½ feet. James Magnatta (C), 1124 South Seventh street.

Stable, 2036-38 South Bancroft street, \$500. Wm. F. Miller (O), 2609 South Fifteenth st. Chas. G. Seidel (C), 2524 South Juniper st.

Dwelling, 1540 North Sixth street, \$400. A. Schechtman (O), on premises. Schechtman Bros. (C), 1734 North Seventh street. Brick, 1 story, 12x14 feet, tin roof.

Store and Dwelling, 1440 South Seventh st., \$300. M. Miller (O), on premises. Frank & Kayser (C), 1522 South Sixth street.

Store and Dwelling, 2030 North Front st., \$3,500. S. C. & M. Marcus (O), on premises. M. Yellin (C), 712 North Franklin street. Brick, 2 stories, 5x18 feet and 19x7 feet, slag roof.

Store and Dwelling, 1331 Point Breeze avenue, \$2,700. D. Welsh (O), on premises. Frank & Kayser (C), 1522 South Sixth street.

Sugar Refinery, 1037 North Delaware avenue, \$1,000. Pennsylvania Sugar Co. (O), on premises. O'Meara Const. Co. (C), 253 South Quince street.

Store, south side of Filbert street, east of Eighth street, \$2,500. Lit Brothers (O), on premises. Haslett Spiral Chute Co. (C), 2008 West Madison street.

## RETRAINING THE DISABLED MAN AS AN ECONOMIC SAV- ING COMPENSATION TO BUILDING INDUSTRY.

(Continued from Page 68.)

Men established in New York City through the generosity of Jeremiah Milbank. At this school, open to disabled civilians and soldiers alike, six trades are already being taught: artificial limb making, motion picture operating, oxy-acetylene welding, printing, jewelry work, and mechanical drafting. More

will be added as the demand develops. Graduates are already giving satisfaction in the jobs to which they have been graduated, so the enterprise has passed the experimental stage. And in the results attained with disabled soldiers abroad there is overwhelming evidence of the logic and practicality of rehabilitation.

The cost of soldier rehabilitation is being met by the United States Government and by the Governments of some of our Allies. It will be admitted without argument as desirable that the advantages of re-education be made available to disabled civilians as well, but will not the cost be prohibitive? The fact is that rehabilitation effects a reduction rather than an increase in the cost of disability to industry or to the community as a whole.

A typical case will illustrate how the saving is effected. A worker in Massachusetts was injured by a fall while working inside a submarine and his hand became permanently crippled. In due course his compensation rate was determined and he was referred to the insurance carrier to be paid ten dollars a week for a long period, with a maximum total payment of four thousand dollars. Since the disability was manifestly permanent the insurance company wrote the case off their books as a four thousand dollar loss and transferred that amount to reserve to cover the weekly payments. After the compensation had been paid nor nearly a year, a new official of the insurance company began looking over the list of men to whom the company was paying compensation. His attention was directed to the man in question and the latter was requested to call at the office of the company. The case was like many thousands of others susceptible of rehabilitation for self-support, so the insurance company official put a proposition to the man in very frank terms. "I believe that you can be trained to earn a good living. I want you to understand very clearly, however, that this proposal is to the financial advantage of the company, but I also believe it is to your advantage as well. A total

Our specialty is Portland Cement that will stick and pass the City Department. **DAVID FRANCE CO.,**  
Tasker Street Wharf, Delaware River, Philadelphia.



income of ten dollars a week is not very attractive to you and you would probably rather return to work at a good wage than remain idle. If you will consent, the company will send you to a school of re-education and see if we cannot get you back on your feet in good shape."

The injured man consented to the proposal and the company sent him to the Red Cross Institute in New York. They began to pay him not ten dollars a week as required by law; but forty dollars a week, twenty to him in New York and twenty to his wife at home. The company also paid liberally his traveling expenses in both directions. In the period of eight weeks he was re-educated in oxy-acetylene cutting and welding and returned home. He is now making not only a satisfactory wage, but twice as much as he had ever earned before the accident took place.

In the whole transaction every party at interest was benefited. The man was advantaged in that his general living standard was distinctly raised, and the necessity of working for his living could not be considered as a hardship. The company paid less than five hundred dollars for his rehabilitation and this expense in conjunction with the five hundred dollars already paid in weekly compensation during the first year of idleness made a total for the case of one thousand dollars. They were thus enabled to charge three thousand dollars of profit to the account of profit and loss. The community was infinitely the gainer in that the man, formerly an unproductive consumer, became a useful producer instead. The community was infinitely the gainer in that the man, formerly an unproductive consumer, became a useful producer instead. The community further gained in the elimination of the disabled man from the category of a prospective dependent, because while compensation might have taken care of him in a very insufficient way during the period of idleness, there would have come a time when compensation ceased and then he would have been in a desperate economic status indeed—confirmed in habits of idleness, untrained for skilled work, and without any source of support.

A more intelligent handling of disability by insurance carriers will, therefore, reduce their expense, and will thus cut the cost of casualty protection to the employer. There is needed also, however, some revision of compensation laws so that there may be definite encouragement to insurance carriers to offer opportunity of rehabilitation and definite

encouragement to the disabled man to take advantage of it. Practically every compensation case that has ever come to the Red Cross Institute has come on the day his compensation expired. For one year, for two years, or for four years the man has existed in idleness, drawing compensation, and cultivating habits of indolence. When his support was cut off, he then became interested in rehabilitation. Present compensation legislation tends to encourage the man to remain idle because his payments are reduced by any improvement in earning capacity. A revision of this practice will make for more constructive provision.

In short, the first effort should be to prevent injury, the second to minimize its permanent effects, the third—when disability has ensued—to offset its economic consequences. The execution of this complete program is not only sound humanitarian practice—it is good business as well.

#### HOW TO KILL A MASTER BUILDERS' ASSOCIATION.

1. If you receive a notice of meeting, tear it up, and
2. Swear blind you never got the notice or it was never sent.
3. Don't attend meetings.
4. If you do, then make it about every fourth, so that you can't possibly know what was done at previous meetings, and it makes it easier to plead ignorance if you break a rule.
5. If you do attend a meeting come late, and you won't hear the minutes.
6. If too wet or too dry, too hot or too cold, don't think of coming.
7. Kick if you are not appointed on a committee; and if you are appointed, never attend a meeting.
8. Don't have anything to say when called upon, but
9. Always discuss the most important Association matters in the street or over a bar.
10. If you do attend a meeting always find fault with the proceedings as well as the work done by other members.
11. If you are asked to furnish statistics to advance the claims of the Association or a brother builder, don't reply to the letter.
12. Never reply to any Association letters.
13. Hold back your affiliation or other fees, or don't pay them at all.
14. Never introduce a builder who you think would like to join the Association.

15. Don't attend dinners or any social function organized by the Association.

16. Don't do anything more than you can possibly help to further the aims and objects of the Association; refuse to use any talent you possess unless a grateful allusion is made to it from the chair at every meeting; never lose an opportunity of insinuating that "So-and-so" is evading all the rules; never praise a fellow-contractor, but always decry him, and always leave the impression that without you the Association would be in gross darkness.—*Cape Town Architect, Builder and Engineer.*

#### PERSONAL NOTES.

Conneen Construction Company, builders, formerly of 1737 Filbert street, have moved their offices to the Fuller Building, 10 South Eighteenth street, Philadelphia.

\* \* \*

Reuben Beard, architect, has opened his office at 1311 Commonwealth Building.

\* \* \*

"Hendricks Commercial Register of the United States," 27th annual edition, just issued, is of invaluable assistance to the man who buys for any business. Much time and energy is conserved by using this national purchasing guide. "Hendricks" furnishes the sources of supply of all kinds of products. Manufacturers are classified according to product. The work is most comprehensive and a great help to contractors and builders, as well as the general buying public. The purchase price, \$10.00, is nothing to the great value in time saved in procuring the names of concerns you are looking for to supply your demand. We act as agents, and upon receipt of \$10.00 will have copy mailed you. No delivery charge. Building News Publishing Company, Perry Building, Philadelphia.

America stands supreme in the development and use of advertising, and advertising is the seed which by implanting desire produces the fruit of social advancement. Education promotes efficiency and efficiency in turn makes possible higher earning power, higher purchasing power and improved living conditions.

All advertising pays—even that which is poorly constructed. A bad ad. is better than no ad. at all. It is worth all that it costs in the competitive world of the present day, merely to keep one's name where the possible buyer cannot help seeing it. To be out of sight in the commercial world is to be out of mind.

Many a man would do a better job if he didn't know about putty.—*Ex.*

Portland Cement, Sand or Gravel by carload. Consult DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Face, Etc.).

O. W. Ketcham.....Builders' Exchange, Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.  
Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.  
Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.  
Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.  
General Fireproofing Co.....832 Arch st., Phila.  
Henry S. Harris.....Land Title Bldg., Phila.  
Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truseon Steel Co....Commonwealth Bldg., Phila.

## Floor Plates.

Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.  
Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Insurance.

Harris J. Latta.....Penna. Bldg., Phila.  
Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Levels.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Light Iron Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lumber.

James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.  
Italian Marble Mosaic Co...433 Spruce st., Phila.  
Roman Mosaic and Tile Co..435 Green st., Phila.

## Metal Lath.

General Fireproofing Co.....832 Arch st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truseon Steel Co....Commonwealth Bldg., Phila.

## Metal Lath Construction.

Metal Lath Specialty Co.,  
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## Metal Tiles and Shingles.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Meters.

Philadelphia Meter Co.,  
Real Estate Trust Bldg., Phila.

## Mill Supplies.

The Fairbanks Co.....7th and Arch sts., Phila.

## Paints and Varnishes.

The Barrett Company,  
New York and Philadelphia.  
Felton, Sibley & Co.....136 N. 4th st., Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

## Pipe Fittings and Valves.

The Fairbanks Co.....7th and Arch sts., Phila.

## Plumbing Fixtures.

Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Preservatives (Wood and Concrete).

The Barrett Co.....New York City and Phila.

## Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Refrigerators.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.

## Reinforcing Bars.

Truseon Steel Co....Commonwealth Bldg., Phila.

## Roofing.

The Barrett Co.....New York City and Phila.

## Roofing Tile.

O. W. Ketcham.....Builders' Exchange, Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Roofing Tin.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Roofing Slate.

William Moore Co.....1506 Sansom st., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

## Sewage Disposal.

Harrison, Mertz & Emlen, Inc.,  
Commercial Trust Bldg., Phila.

## Slate.

William Moore Co.....1506 Sansom st., Phila.

## Soundings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Structural Slate.

William Moore Co.....1506 Sansom st., Phila.

## Surety Bonds.

Harris J. Latta.....Penna. Bldg., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Tile and Terrazzo Work.

Belfi Bros. & Co.....1923 Market st., Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.  
Italian Marble Mosaic Co...433 Spruce st., Phila.  
Roman Mosaic and Tile Co..435 Green st., Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Tiling.

William Moore Co.....1506 Sansom st., Phila.

## Transits.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Ventilators.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Wall Board.

## Ceil Board.

James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Water Paint.

Wm. B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Waterproofing.

The Barrett Co.....New York City and Phila.

## Water Supply.

Harrison, Mertz & Emlen, Inc.,  
Commercial Trust Bldg., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Weather Strip (Metal).

C. W. MacDowell Agency,  
2118 Diamond st., Phila.

## Window Screens.

C. W. MacDowell Agency,  
2118 Diamond st., Phila.

## Wire Work.

Audubon Wire Cloth Co., Inc....Audubon, N. J.

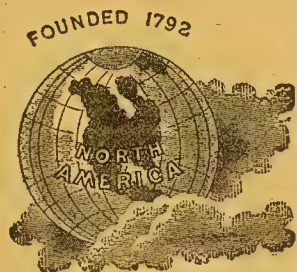


1792

1918

# Insurance Company of NORTH AMERICA

PHILADELPHIA



## 126th Annual Statement

December 31, 1917

|                      |   |   |                 |
|----------------------|---|---|-----------------|
| Cash Capital         | - | - | \$ 4,000,000.00 |
| Reserve for Premiums | - | - | 10,630,740.40   |
| Reserve for Losses   | - | - | 4,419,000.00    |
| Reserve for Taxes    | - | - | 950,000.00      |
| Reserve for Sundries | - | - | 160,000.00      |
| Surplus              | - | - | 8,317,502.26    |

## TOTAL

\$28,477,242.66

|                                |   |   |                  |
|--------------------------------|---|---|------------------|
| Surplus to Policyholders       | - | - | \$ 12,317,502.26 |
| Losses Paid Since Organization | - | - | 192,518,273.33   |

## The Oldest American Stock Insurance Company

Fire Insurance  
Tornado  
Sprinkler  
Explosion  
Inland Transit  
Salesman's Floater

Automobile  
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Rent  
Leasehold  
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Registered Mail

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and

FIRE-PROOF STEEL PRODUCTS

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Hollow Tile Fireproofing

Fire Clay

Fire Brick

Panic-Proof Product Corp's

Panic-Proof and Fire-Proof

Hollow Steel Doors and

Trim and Art Metal Products

HENRY S. HARRIS

LAND TITLE BUILDING

PHILADELPHIA, PA.

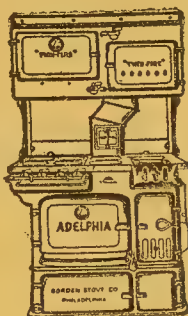
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Ranges for either Coal or Gas or Combination Coal and Gas

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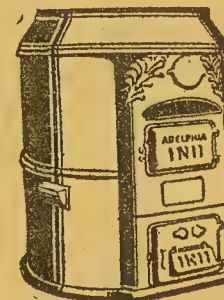
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BORDEN Stove Company

1313 ARCH STREET

PHILADELPHIA





# Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND CLASS MATTER

Vol. XXXIV., No. 7  
February 12, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

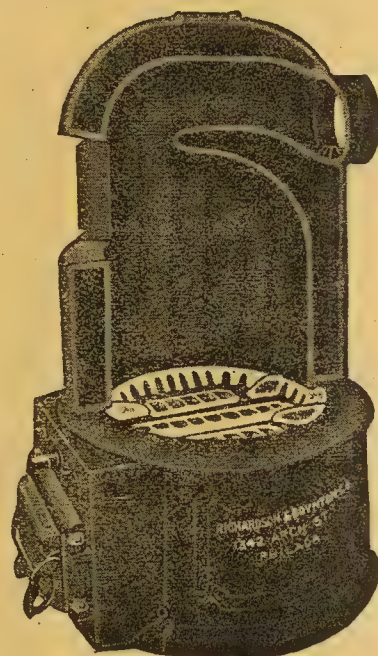
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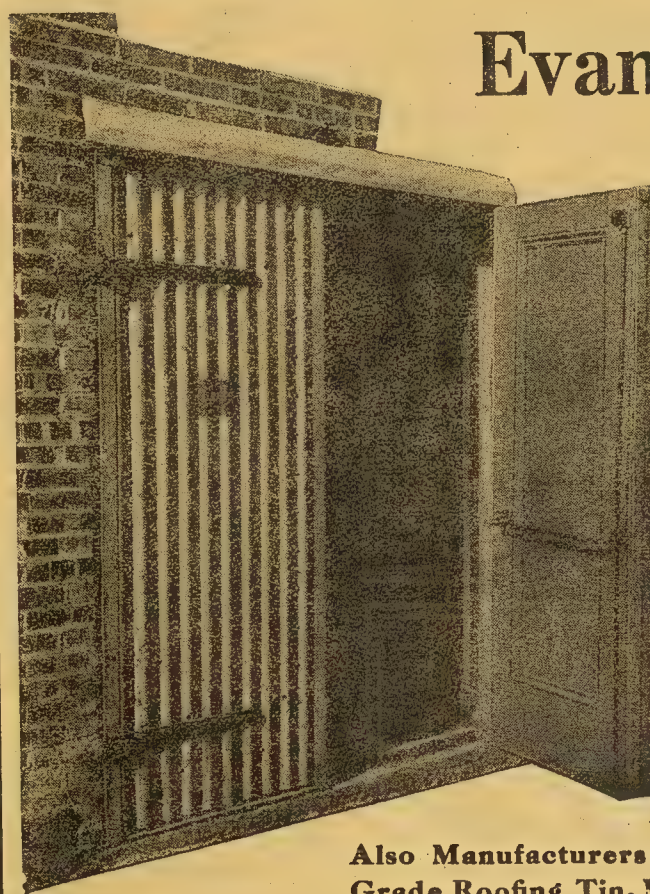
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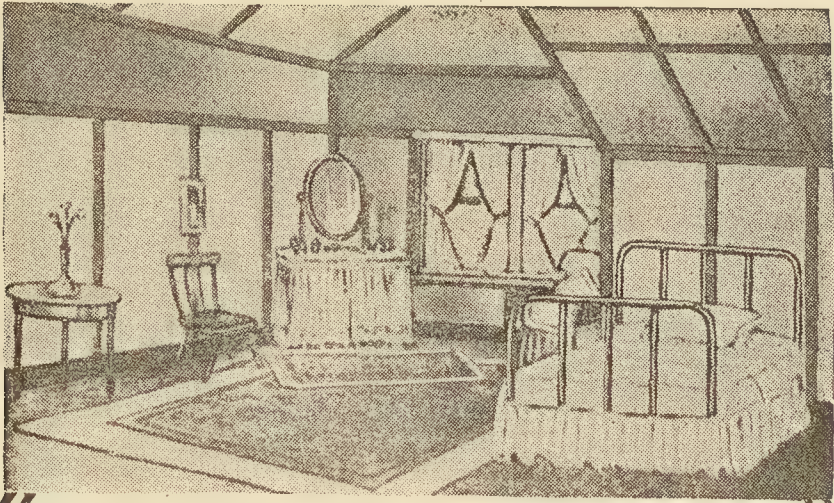


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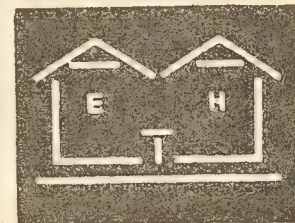
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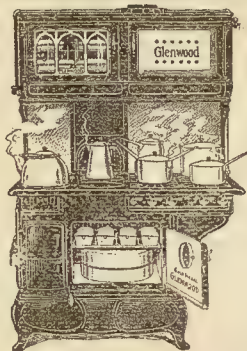
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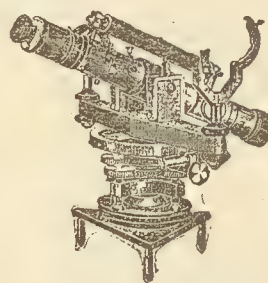
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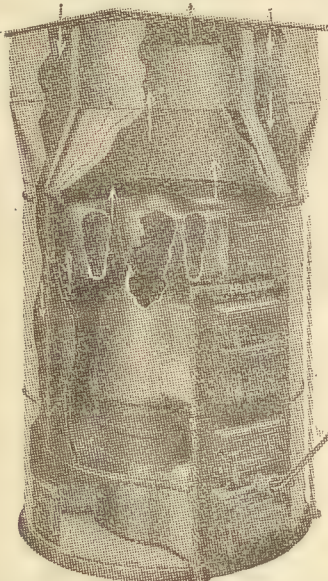
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 7

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February 12, 1919

## BUILDERS' GUIDE

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## As The Editor Sees It



**R**EPORTS from the Department of Labor indicate that the construction industries throughout the country are looking forward to a readjustment of conditions in the near future and a resultant resumption of building and construction work. All indications point toward high wages and high material prices for some time to come, and it is merely a question of readjustment to these conditions. The same uncertainty and hesitancy existed in the first few months of the war, and there is no reason to believe that the conditions now will not, as then, be satisfactorily met.

"American building industries," says the statement of the Department of Labor, "will be called upon to furnish tremendous quantities of materials for European construction. If no other elements were present to keep up material prices, Europe's demand would prevent any immediate drop in them, according to the opinion of many material manufacturers and contractors. Reduced production during the war in the building materials industries, and the market curtailment—almost suspension—of private building undertakings, have fomented market conditions, which do not make for lower prices."

Of course, certain materials will be barred from this export trade, due to difficulty of shipping. Stone, for instance, which forms the foundation and cellars of most of the western European

houses, is too heavy to ship in normal times, and it is now entirely out of the question, due to the need of shipping space for shipments such as foodstuffs, etc.

"Therefore," says L. W. Alwyn-Schmidt, Director, New York Economic Service Bureau, in the *American Contractor*, "a careful selection of building materials therefore should be made, and only such should be forwarded in the near future which can be easily shipped and fill an actual want. This eliminates also bricks and similar materials which, by the way, never have formed a very suitable export material and can be shipped in normal times only with slow shipping in place of any better paying freight. Instead of these we might with advantage center our efforts on cement, timber, builders' hardware, roofing materials, and finally on all such articles which are an American specialty and which might form a valuable addition to the builders' ware generally in use in Europe.

"Cement has always formed an article of international trade and can be easily shipped. American cement no doubt will have to enter competition with the European cement mills, but it is doubtful whether these will be able to take care of the very considerable demand which is expected to come from the destroyed parts of Europe. Belgium and France were receiving most of their imported cement in pre-war times from

England and Germany. The distribution was facilitated a good deal by the very extensive net of canals connecting northern Germany and the lower basin of the Rhine, which served both the transport of English and German cement. Germany will hardly be able to supply much cement during the next year, as its labor situation is much upset by the political situation. England, on the other hand, has made great preparations to handle the French and Belgian cement business after the war, and English cement will prove a very strong competitor against the American product. Few orders for cement can be expected during the next two months, and the real business will not start in before the coming of the spring, as no building can be done in the regions in question before the return of warmer weather. This will give time to the American cement manufacturers to study the situation more closely and to see how they can be best of use. Cement mills having a surplus of cement may possibly find it to their advantage to make advance shipments to one or the other European ports, in order to be able to supply immediately when the building activity begins, which will greatly assist the future development of the business. The cement should be made available to the consumer not only in barrel lots, but also in smaller quantities, as much cement doubtless will be required by smaller builders for general

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repair work, which has been much neglected during the war. This refers not only to the reconstruction work in France and Belgium, but also to many other European countries, especially the Netherlands. The business most likely will be governed by the prices for English cement.

"As far as bulk is concerned timber probably may form the largest item amongst the American supplies to be shipped to Europe. Some time ago the French Government had made an investigation of the approximate building loss in the departments Nord, Pas de Calais, Somme, Oise, Seine et Marne, Aisne, Ardennes, Marne, Meuse, Meurthe et Moselles, and Vosges, which covers 790 communes. During this time 250 French communes were still in the actual fighting zone and 2,500 others were under German occupation. From this estimate it appears that France will have to rebuild 4,680,000 cubic yards of masonry, 2,080,000 of stone construction, 543,000,000 cubic yards of brick construction. It will require 297,000 tons of lime, 1,343,000 cubic yards of sand, 513,000 cubic yards of copper work, 591,000 cubic feet of timber, 195,000 of joinery, 27,300 tons of iron frame work, 5,000 tons of builders' hardware, 91,000,000 tiles and 32,700,000 slate plates for the investigated communes only. It can, therefore, be estimated that France will require at least 1,500,000 cubic yards of timber and 600,000 cubic yards of joinery. Only a very small part of that can be had in France. The forests of France have suffered very heavily by the war. Many of the best French timber lands have been fought over during the war and have been uprooted by gunfire. Much timber also had to be cut to be used for military building and emergency constructions. So France will have to rely practically entirely for the timber part of her rebuilding supplies on foreign assistance. This has been realized already early in the war, and French agents have approached repeatedly timber interests in this country and in Canada with the intention of securing the necessary supplies. Before the war France imported timber valued at nearly \$250,000,000 every year, and Belgium required approximately an import value at \$24,000,000 to supplement its own very small supply."

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## IMMEDIATE RESUMPTION OF BUILDING ACTIVITIES AS A NATIONAL ASSET

Chief of Division of Public Works and Construction Development U. S. Department of Labor says United States Is a "Going Concern" with an assured Future

By F. T. MILLER, DIRECTOR.

The main issue now before our country is—are we in a state of liquidation, trying to settle up our affairs, or are we a going concern?

This country has two hundred and sixty-five billion dollars of wealth; wealthier than four of the wealthiest nations of the world combined; we have \$2,500,000,000 worth of gold in this country—the greatest amount ever known in the possession of this country, and considerably more than half of the gold of the world. We are over the war. We have shown moral characteristics in accepting the draft that have enabled us to put men on the Western front in numbers second only to France, and our men have fought well.

The war is over—and we do not expect attack from anybody, but we are still wondering what we are going to do, —how we are going to get along. After the Civil War was over, when we had foreign complications and when we had but \$133,000,000 in gold against \$346,000,000 greenbacks, Secretary Sherman came out and said, "The way to resume specie payment is to resume." Payment was resumed and we did business, because the people had faith in the country.

This is the greatest, strongest, wealthiest, healthiest country in the world, and it is a country that should be doing business, and not a country in a state of liquidation; and yet, because of a psychological status, everybody is waiting to see if somebody else is going to reduce his price on something. Copper consumption is down. Iron consumption is down. The great question is one of consumption. If we do not buy, we cannot exist and do business—this is the issue.

Now, if we had the four million immigrants that this country would have received if the war had not commenced—if we had our two million soldiers home again, if adjustments had been made and if we were all working steadily in the pursuits of peace—if we had the three to five billion dollars' worth of domestic structures of which we are short, and the shortage of which is causing increase in rents (and rentals growing out of this shortage cumulatively increase the cost of every necessity of life)—if

we had these things and were all working steadily, and if there were no exceptional draft on our products from abroad, prices might again be what they used to be.

When the European war broke out we expected it to last but a few months and looked immediately for return to old conditions. In the meantime, different conditions have been arising and we still have our minds fixed on a return to the old conditions. The thought of a nation is one of an *ante-bellum* character. But conditions have come about which have changed this country far more than conditions which came about from the Civil War. We cannot turn the clock back.

When the armistice was signed in a Pullman car in France, and people tossed a lot of newspapers out of windows here, we all thought we were back to the old conditions. Many now know we are not to go back to those conditions, but it is hard to realize that we must adjust ourselves to new conditions and act promptly.

The inertia of economic events is a continuing force and we must all take the new hand of cards that has been dealt to us, familiarize ourselves with them as quickly as possible and play with them. It will do us no good to sit and look at them and hope that in some mysterious way they will change back into the old hand we had before the war.

After the Civil War we characterized people who maintained their old ideas as "*ante-bellum*." The darkies said "befo' the wah," but the majority of people in this country now are still in the mental hoop skirts and pantelettes of the before-the-war attitude of mind, and they do not fully realize the strength of the nation or the close political and economic contacts that have been brought about with the world in general, and which will influence all of our future activities.

We are not going to get the immigrants which we received formerly; prices of labor are higher in Europe than they were; prices of materials are higher in Europe than they have been for years, in some cases higher than they are here,

(Continued on Page 88.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Restaurant Building (alts. and add.),** 1604 Chestnut street. Architect, Charles E. Oelschlager, 1615 Walnut street, Philadelphia. Consulting architect, Paul J. Henon, 10 South Eighteenth street, Philadelphia. Owner, Cheri, Inc., care of John G. Patton, 15th and Chestnut streets. Rear addition, 4 stories, general remodeling of entire building, slag roof, tile and composition floors, steam heat, electric lighting, tile and marble work, freight elevator, hollow metal skylights, kitchen equipment. Plans in progress. Will take bids in a week.

**Stores and Apartments (15),** Frankford, Philadelphia. Architects, Lachman & Murphy, Drexel Building, Philadelphia. Owners, name withheld. Brick, 3 stories, 20x70 feet, slag roof, stone foundations, steam heating, electric lighting, tile work, yellow pine floors, ornamental terra cotta, metal bulks. Plans in progress. Architect will be ready for bids in ten days.

**Loft Building (alts.),** 729 Arch street, Philadelphia. Architect, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Max S. and Morris Apt, 723 Arch streets, Philadelphia. New toilets, new bulk, metal lath (heating, electrical work, plumbing and sprinklers reserved). Architects taking bids due February 12th. P. Haibach Contracting Co., Twenty-sixth and Thompson streets; H. E. Grau Co., 1707 Sansom street; Frank I. Wintz, 1618 North Twenty-seventh street, are figuring.

**Dwelling (alts.) to Apartments,** northwest corner Fifteenth and Oxford streets. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, Francis Hughes, on premises. Brick, 4 stories, changing partitions, oak floors, plastering, hot water heating extension, combination lighting and fixtures, tile work. Plans about completed. Owner will take sub-bids in a few days.

**Cantonment,** Frankford Arsenal, Philadelphia. Architect, private plans. Owners, United States Government, care of Major Huckendorn, Frankford Arsenal. Frame, 2 stories, 43x120 feet, ready roof, yellow pine floors, steam heating, electric lighting, roof ventilators. Owners taking bids due February 17th. Wm. Steele & Sons Co., Sixteenth and Parkway; F. W. Mark Contracting Co., Finance Building; Wills-Ludwick Co., 1706 Sansom street; Wm. R. Dougherty, 1610 Sansom street, and Wark & Co., 1737 Filbert street, are figuring.

**Court Building (alt. and add.),** 1131 Wood street, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owner, County Commissioners, care of George F. Holmes, President, City Hall. Brick, 1 story, 30x40 feet, slag roof, composition floors, electric lighting,

metal lath, plumbing, painting. Owners taking bids due January 17th. Thomas C. Trafford, 1613 Sansom street; Mitchell Bros., 2125 Race street; Pomeroy Construction Co., 1609 Ranstead street, and E. E. Hollenback, Inc., 1804 Brandywine street, are figuring.

**Building for Municipal Court (alt. and add.),** 223 North Twenty-first street. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owner, County Commissioners, care of George F. Holmes, resident, City Hall. Brick, reinforced concrete, 2 stories, 35x21½ feet and 24x15 feet, slag roof, cement and North Carolina pine floors, metal lath, electric elevator, stone foundations, roof ventilators, metal window guards, ornamental iron work. Owners taking bids due February 18th. Thomas C. Trafford, 1613 Sansom street; Mitchell Bros., 2125 Race street; Pomeroy Construction Co., 1609 Ranstead street, and E. O. Hollenback, Inc., 1804 Brandywine street, are figuring.

**Store Building (alts.),** Fifty-second and Ludlow streets, Philadelphia. Architect, J. Wilmer Thompson, 703 South Sixtieth street, Philadelphia. Owner, name withheld. New bulk, mill work, painting, electric lighting, tile and marble work. Architect taking bids due February 12th. Smith-Hardican Co., 1606 Cherry street, is figuring.

**Church (alts.),** Sixty-third and Woodbine avenue, Philadelphia. Architect, Paul J. Henon, 10 South Eighteenth street, Philadelphia. Owner, Our Lady of Lourdes, care of Rev. James Mullin, on premises. Marble wainscoting, changing heating system, linoleum floor. Architect is sub-letting.

**Store (alt. and add.),** 110 South Fifty-second street, Philadelphia. Architect, J. Wilmer Thompson, 703 South Sixtieth street, Philadelphia. Owner, Henry Felt, Fifty-second and Girard avenue, Philadelphia. Brick and steel, 1 story, 21x27 feet, slag roof, stone foundation, electric lighting, tile and marble work, hollow metal skylights, new bulk, oak and cement floors, metal lath. Architect taking bids due February 12th. Smith-Hardican Co., 1606 Cherry street; Hogg Construction Co., 1634 Sansom street; Hasch & Co., South Front street, and B. Bornstein, 1510 North Franklin street, are figuring.

**Residence,** Chestnut Hill, Philadelphia. Architects, Folson & Stanton, 1328 Walnut street, Philadelphia. Owner, Edward R. Sorber, care of Pelham Trust Company, Pelham and Germantown avenues, Germantown. Stone and plaster, 2 stories, 24 feet x40 feet, shingle roof, stone foundations, hot air heating, electric lighting, tile work, pine floors. Plans in progress. Ready for bids in ten days.

**Residence and Garage (alts. and add.),** 2116 Venango street, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, A. P. Maloney, 2116 Venango street, Philadelphia. Brick or hollow tile, 1 story addition various sizes, slag roof, oak floors, heating and lighting extensions. Plans about completed. Architects will be ready for bids in a few days.

**Towers and Elevators (2),** Thirty-fourth and Pine streets, Philadelphia. Architect, Philip H. Johnson, Land Title Building, Philadelphia. Owner, Philadelphia General Hospital, care of Department of Health and Charities, Philadelphia. Brick, 3 stories, 8 feet x9 feet, (2) elevators, hollow metal sash and skylights. Plans in progress. Architect will take bids in one week.

**Store Building (alts.),** Silver street and Germantown avenue, Philadelphia. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner, name withheld. General alterations, flush bulks, marble work, electric lighting, new partitions, etc. Architect taking bids due in a few days. Smith-Hardican Co., 1606 Cherry street, B. Bornstein, 1510 North Franklin street, Basch & Co., 1610 South Front street, and Frank I. Wintz, 1618 North Twenty-seventh street, are figuring.

**Garage and Rear Building,** Seventh and Allegheny avenue, Philadelphia. Architect, William H. Wooters, 816 West Allegheny avenue, Philadelphia. Owner, John J. Kelly, on premises. Brick and stone, slag roof, structural iron, cement floors, mill work, electric lighting, plastering. Plans in progress.

**Residence (alt.),** Walnut lane, Germantown. Architect, William H. Wooters, 816 West Allegheny avenue, Philadelphia. Owner, C. A. Rowell, care of architect. Brick and stone, cabinet work, mill work, tile work, electric lighting, hardwood floors. Plans in progress.

**Store (alts.),** 2836 Germantown avenue. Architect, William H. Wooters, 816 West Allegheny avenue, Philadelphia. Owner, Mark Lipschutz, care of architect. Flush bulks, mill work, glazing, painting, electric lighting. Architect will take sub-bids.

**Pier,** Kenilworth street, Philadelphia. Architect, private plans. Owners, City of Philadelphia, Department of Wharves, Docks and Ferries, 522 Bourse Building, Philadelphia. Yellow pine, Norway pine or cypress piling, steel reinforced concrete, 1 story, 547 feet 10 inches x120 feet, slag roof, ornamental terra cotta mastic floors, hollow tile, metal lath, safety treads, rolled steel sash, rolled steel skylights, kalamein and rolling steel doors, granite blocks, asphalt paving. Owners taking bids due

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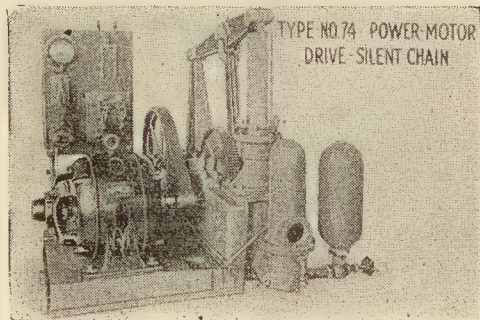
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February 14th. Hogg Construction Co., 1634 Sansom street, and Wark & Co., 1737 Filbert street, Wm. Steel & Sons Co., Sixteenth and Parkway, H. E. Baton, 1713 Sansom street, Warren-Moore Co., Colonial Trust Building, Hughes-Foulkrod Co., Commonwealth Building, and Snare & Triest, Pennsylvania Building, Wills-Ludwick Co., 1706 Sansom street.

**Garage**, Front and Girard avenue, Philadelphia. Architect, Reuben Beard, 1311 Commonwealth Building. Owner, name withheld. Brick, slow burning construction, 1 story, 190x210 feet, slag roof, cement floors. Preliminary plans in progress. Too early for details.

**Sub-Station for Piers "A and B"**, Spec. 3798, Navy Yard, Philadelphia. Architect, Private plans. Owners, United States Government, Department of Public Works, Philadelphia Navy Yard. Brick, 1 story, 21 feet high, 40½x49 feet 3 inches, concrete foundations, slag roof, rolled steel sash, reinforced cement floor, drainage (heating, plumbing and lighting reserved). Owners taking bids due February 14th. Wark & Co., 1737 Filbert street; W. O. Springer, 1624 Latimer street; F. A. Havens & Co., 845 North Nineteenth street; M. H. McCloskey, Jr., 1620 Thompson street; Lam Building Co., 1001 Wood street; Wm. R. Dougherty, 1610 Sansom street; F. L. Hoover & Son, 1023 Cherry street; Thomas O. Trafford, 1613 Sansom street; H. H. Wehmeyer, 509 West Cumberland street; Turner Concrete Steel Co., 1713 Sansom street; J. S. Rogers Co., Drexel Building; John M. Yardley, 1716 Sansom street, and J. H. Roberts, Lansdowne, Pa., are figuring.

**Garage**, 3612-14-16 Fairmount avenue, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, John Daly, 654 North Thirty-sixth street, Philadelphia. Brick, 1 story, 50x100 feet, stone foundations, slag roof, steam heating, electric lighting, cement

floors, millwork, hollow metal skylights, metal ceilings, waterproofing, gasoline storage system. Plans in progress. Architect will be ready for bids in ten days.

**Manufacturing Building (alt. and add.)**, Farrell's road and Woodland avenue. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, name withheld. Brick and concrete stone foundations, 1 story, building complete 114x112x160 feet, slag roof, hot water heating, gas lighting, cement and pine floors, hollow tile, metal lath, hollow metal sash and skylights, roof ventilators. Architect taking bids due February 12th. Thomas O. Trafford, 1613 Sansom street; Hogg Construction Co., 1634 Sansom street; Barclay White Co., 1713 Sansom street; Harry R. Rust, 725 Ludlow street, and Charles Colgan, 2605 South Salford street, are figuring.

**Residences (104)**, South Philadelphia. Architects, Reuben Beard, 1311 Commonwealth Building, Philadelphia. Owners, Eastern Development Co., care of architect. Brick, 2 stories, 15x50 feet, brownstone front, stone foundations, slag roof, hardwood floors, cement work, hot water heating, electric lighting, plumbing. Plans in progress. Architect will take sub-bids in three weeks.

**Garage**, South Philadelphia. Architect, Reuben Beard, 1311 Commonwealth Building Philadelphia. Owner, Eastern Development Co., care of architect. Brick, 1 story, 60x110 feet, slag roof, stone foundations, hot water heating, electric lighting, cement floor, mill work, roof ventilators, wire work. Plans about completed. Architect will be ready for bids in a week.

**Stable**, Fifth and Pine streets, Philadelphia. Architect, Reuben Beard, 1311 Commonwealth Building, Philadelphia. Owner, name withheld. Brick, 2 stories, 50x290 feet, general restoration, slag roof, steam heating, electric lighting, cement and plank

floors, stable fixtures, ornamental and structural iron work. Preliminary plans in progress.

**Club House (alts. and add.)**, 239-41 South Camac street, Philadelphia. Architect, David B. Bassett, 420 Perry Building, Philadelphia. Owner, Poor Richard Club, 239 South Camac street, Philadelphia. Brick, 1 story, 23x27 feet, general interior alterations, slag roof, electric lighting. Work contemplated. Sketches completed.

### INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 8, 1919.—Sealed Proposals will be opened in this office at 3 P. M., March 3, 1919, for furnishing and delivering at the site the materials required for the construction of Hospital Unit A-special, Hospital Unit B-1, Attendants' Quarters and additions to and changes in the Kitchen and Mess Hall, for the United States Hospital at Baltimore, Md., including materials for concrete, brickwork, felt and composition roofing, sheet metal work, plastering, wall-board, lumber, millwork, painting, hardware, etc. Bills of quantities and specifications may be obtained at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., January 30, 1919.—Sealed proposals will be opened in this office at 3 P. M., March 3, 1919, for the construction of the United States Post Office at Walden, N. Y. Drawings and specifications may be obtained from the custodian of the site at Walden, N. Y., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

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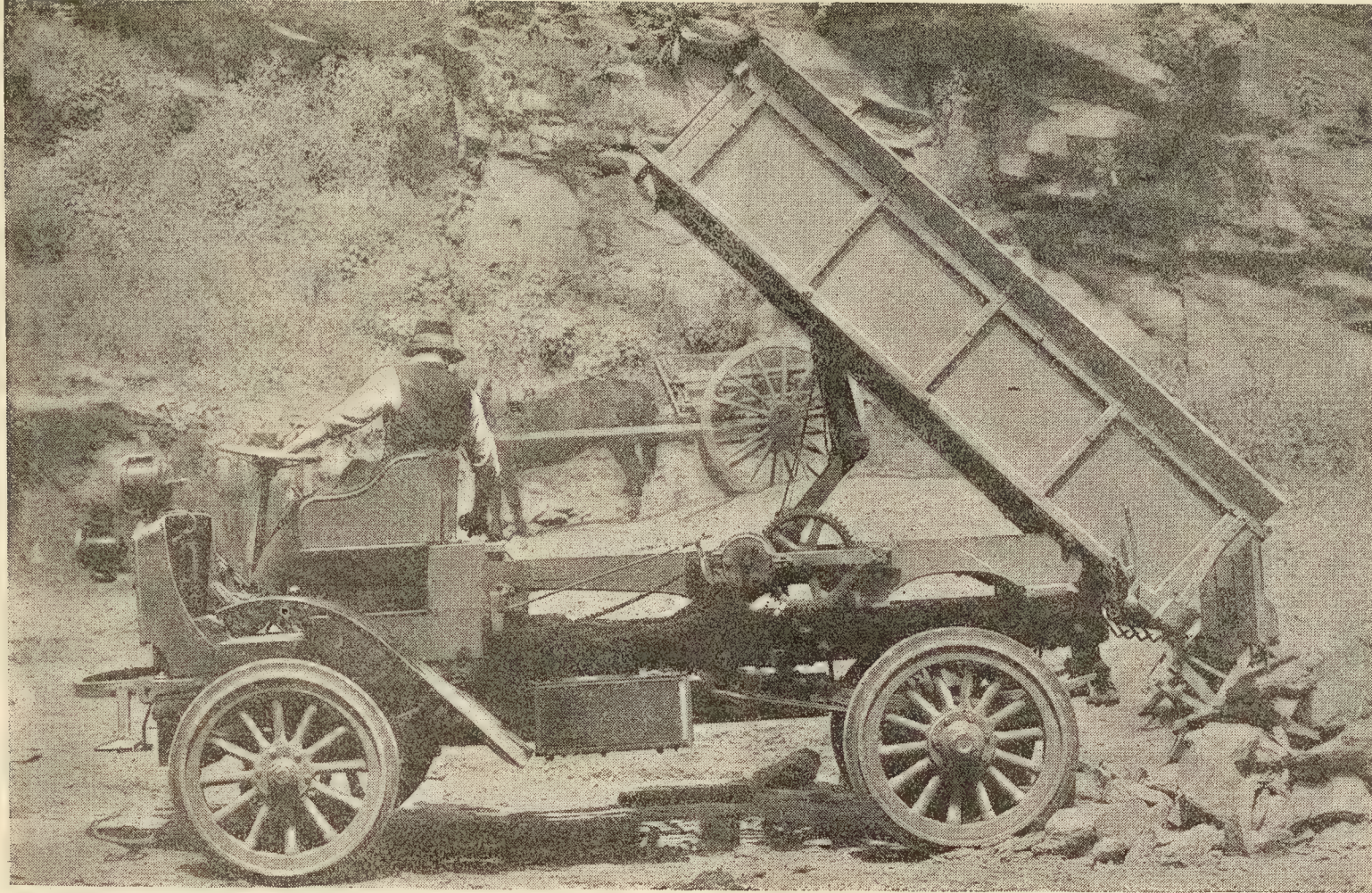
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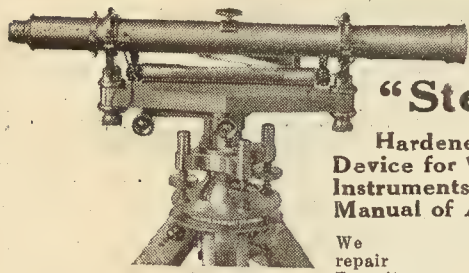
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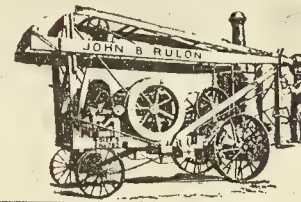
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## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Office Building (alts.)**, 345-47 North Third street, Philadelphia, \$60,000. Architect, private plans. Owners, Sternfeld-Weil Co., on premises. Hot water heating, electric lighting, composition floors, metal lath, millwork, plastering, painting, cut stone. Contract awarded to Conneen Construction Co., 10 South Eighteenth street, Philadelphia.

**Dwellings (2)**, Horrock and Herbert streets, Philadelphia, \$13,000. Architect, private plans. Owner, George Rimer, 4342 Hawthorne street, Philadelphia. Brick and frame, 3 stories, 16½x54 feet, shingle roof, hot water heating, electric lighting, stone foundations. Owner will build.

**Garage**, rear 5233-35 Columbia avenue, Philadelphia, \$1200. Architect, private plans. Owner, Sophia Elgart, 1617 North Fifty-second street, Philadelphia. Brick, 1 story, 40x18 feet, slag roof, electric lighting, cement floor. Contract awarded to Samuel Elgart, 1617 North Fifty-second street, Philadelphia.

**Toilet Rooms (alts.)**, 410 Race street, Philadelphia, \$1000. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, Whitall Tatum Co., on premises. Electrical work, plumbing, painting, mill work. Contract awarded to H. E. Grau Co., 1707 Sansom street, Philadelphia.

**Warehouse and Beef Cooler**, 22-24 South Delaware avenue, \$20,000. Architect, private plans. Owners, Armour & Co., 917 Noble street, Philadelphia. General interior alterations, hollow tile and brick partitions. Contract awarded to A. R. Raff Construction Co., 1635 Thompson street.

**Bakery and Garage**, 5013-15 Lancaster avenue, Philadelphia, \$8200. Architect, private plans. Owners, Liberty Cake Co., on premises. Brick, 2 stories, 40x54 feet

and 66x9 feet, slag roof, general alterations and additions. Contract awarded to James C. Fernald, 5532 Wyalusing avenue.

**Ice Storage Plant**, Fifty-seventh and Hoffman streets, Philadelphia, \$28,000. Architect, private plans. Owner, Eagle Ice Co., on premises. Brick, 1 story, 54x64 feet, slag roof, cement floor, electric lighting. Contract awarded to Herman Voight, 1251 North Twenty-ninth street, Philadelphia.

**Garage**, 6112-14 West Girard avenue, Philadelphia, \$1900. Architect, private plans. Owner, John Hayes, 6112 Girard avenue, Philadelphia. Brick, 1 story, 72x20 feet, 1 side wing 18x22 feet, slag roof. Contract awarded to John P. Fallon, 449 South Sixtieth street, Philadelphia.

**Shop**, Sydenham street, north of Courtland street, \$1750. Architect, private plans. Owner, Frank Rice, Thirteenth and Courtland streets. Brick, front, 2 stories, 20x30 feet, rear, 1 story, 20x30 feet, slag roof. Contract awarded to John J. Hurley, 4416 Cresson street.

**Bakery and Store, Dwelling (2), Garage and Stable**, Bermuda and Orthodox streets, Philadelphia, \$17,000. Architect, private plans. Owner, M. Niemio, 4540 Stiles street, Philadelphia. Brick, 2 and 1 stories, 71x17 feet and 55x83 feet; 3 stories, 16½x28 feet; 2 stories, 16 x28 feet; 1 story, 48x24 feet, and 2 stories, 25x48 feet, slag roof, electric lighting. Owner will build.

**Water Tower, Pump and Tank House**, Spec. 3682, Philadelphia, \$15,567. Architect, private plans. Owners, United States Government, care of Department of Wharves and Docks, Washington, D. C. Steel, concrete and brick, 1 story, 24x24 feet and 18½x13½ feet, 40,000-gallon

capacity wooden tank, slate or ready roof, concrete floors, hollow tile, metal lath, electric light, waterproofing. Contract awarded to M. H. McCloskey, Jr., 1620 Thompson street.

**Store (fire repairs)**, 912 Arch street, Philadelphia. Architect, private plans. Owners, Phoenix Building & Loan Association, 623 Vine street, Philadelphia. General fire repairs. Contract awarded to Wm. F. Koelle Co., Twenty-sixth and Oxford streets.

**Tenement House (alts.)**, 4224-34 Parkside avenue, \$3000. Architect, private plans. Owners, J. P. Stoughten and George B. Clopp, Stephen Girard Building. Interior and exterior alterations. Owners will build.

**Car Repair Shop (alts.)**, 245 North Thirtieth street, Philadelphia, \$3000. Architect, private plans. Owners, Atlantic Refining Co., 3144 Passyunk avenue. Wood partitions, elevator shaft, skylights. Contract awarded to Metzger & Fisher, Otis Building.

## Pennsylvania Construction News

**Residence (alt. and add.)**, Jarrettown, Montgomery county, Pa. Architects, Mellor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owner, name withheld. Stone, 2 stories, 26x30 feet add., stone foundations, shingle roof, hot air heating, electric lighting, tile work, oak floors (electrical work and sewage disposal, reserved). Plans in progress.

**Residence**, Chestnut Hill, Pa. Architects, Mellor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owner, name withheld. Stone, 2 stories, 21x60 feet, 19x34 feet and 21x16 feet, shingle roof, oak floors, stone foundations, vapor heating, electric lighting, tile work. Plans in progress.

**Residences (14)**, Wood street, Norristown, Pa. Architect, private plans. Owners, Land Brothers, Norristown, Pa. Brick,

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2 stories, 16x42 feet, slag roof, yellow pine floors, stone foundations, hot water heating, electric lighting. Plans in progress. Owners will take sub-bids in about ten days.

**Gardener's Cottage**, Bryn Mawr, Pa. Architects, Stewardson & Page, 316 Walnut street, Philadelphia. Owner, C. C. Perkins, Bryn Mawr, Pa. Stone, 2 stories, 20x34 feet and 16x22 feet, shingle roof (hot air heating, electric lighting and plumbing reserved), yellow pine floors. Architects have received bids.

**Residence and Garage (alts. and add.)**, Wynnewood, Pa., \$18,000. Architects, Mills & Van Kirk, Harrison Building, Philadelphia. Owner, Langdon Lea, Wynnewood, Pa. Stone, 2½ stories, add. (2) wings, 20x25 feet, stone foundations, slate roof, vapor heating, electric lighting extension, lighting fixtures, oak floors, tile and marble work, fireplaces, cabinet work, painting, papering. Plans in progress.

**Store and Apartment Building**, Broad street, Tamaqua, Pa. Architect, Benjamin R. Stevens, 1737 Filbert street, Philadelphia. Owner, Dr. George A. Wilford, Tamaqua, Pa. Brick, concrete foundations, 4 stories, 22x150 feet, slag roof, hot water heating, electric lighting, tile and marble work, tile and oak floors, hollow tile, metal bulks. Plans about completed. Will be ready for bids in one week.

**Residence (alt.)**, Yardley, Pa. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owner, Harry Whitehead, Trenton, N. J. Remodeling entire residence, slate roof, tile porch floor, hollow tile, hot water heating, electric lighting, tile work, plumbing. Plans in progress. Architects will take sub-bids.

**Garage, Apartments and Store Front**, Chambersburg st., Gettysburg, Pa., \$5000. Architect, private plans. Owner, C. A. Timinous, Chambersburg st., Gettysburg, Pa. Brick and concrete, 2 stories, 100x29½ feet, slag roof, pipeless heating, metal sash, metal bulks (electric lighting reserved), plumbing. Owner is taking bids due February 15th.

**Stable (alt. and add.) to Cottage**, 25 Bala avenue, Bala, Pa. Architect, Oliver Randolph Parry, 1631 Chestnut street, Philadelphia. Owner, Mrs. Lfah Trymby, on premises. Brick and concrete, 1½ stories, 30½x20 feet, shingle roof, hot water heating, electric lighting, yellow pine floors. Architect taking bids due February 12th at 9 A. M. Wills-Ludwick Co., 1706 Sansom street; George H. Evans, 45 North Thirteenth street; Thomas C. Trafford, 1613 Sansom street, Philadelphia, and P. J. Lawler, Bala, Pa., are figuring.

**School**, Jackson, Mahanoy Township, Pa. Architect, Clyde S. Adams, 1409 Arch street, Philadelphia. Owner, School Board of Mahanoy Township, Mahanoy Township, Pa. Frame, 1 story (4 rooms), shingle roof, warm air heating, electric lighting, yellow pine and composition floors. Plans completed. Owners will take bids.

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**Duplex Apts. (6), 4 Family House (1), Double House (1)**, Yeadon, Pa. Architect, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Theo. Presser, 1712 Chestnut street, Philadelphia. Brick or hollow tile and plaster, 2 stories, various sizes, concrete foundations, hot water heating, electric lighting, tile and marble work, slate roof, North Carolina pine floors. Architects taking bids due February 17th. H. E. Baton, 1713 Sansom street; Wills-Ludwick Co., 1706 Sansom street; Lam Building Co., 1001 Wood street; J. Charles Yundt, 301 North Tabor road, and Warren-Moore Co., Colonial Trust Building, are figuring.

**Residence**, Drexel Hill, Delaware County, Pa. Architect, Edwin Grant Rorke, Drexel Hill, Pa. Owner, Mr. Kessler, care of architect. Brick and rough cast, 2½ stories, 34x44 feet, tile roof (vacuum heating, electric lighting, hardwood floors, hardware, plumbing, gas fitting, lighting fixtures, vacuum cleaner, equipment reserved), tile work, concrete foundations. Architect taking revised bid from John M. Yardley, 1716 Sansom street.

## Pennsylvania

### Contracts Awarded

**Residence (alts.)**, Elkins Park, Pa. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Harry B. Hirsh, 2215 Green street, Philadelphia. Tile and marble work, oak floors, shingle roof (lighting, heating and painting reserved). Contract awarded to Specht & Sperry, Heed Building, Philadelphia.

**Store Front and Alterations**, Centre Square, Gettysburg, Pa., \$6000. Architect, John Crow, Gettysburg, Pa. Owner, R. P. Funkhouser, on premises. Tile and marble work, millwork, plastering, electric lighting, metal ceiling and bulks, steel work. Contract awarded to James Weikert, York street, Gettysburg, Pa.

**Shop and Apartment (alts.)**, Gettysburg, Pa., \$25,000. Architect, Robert A. Stair, York, Pa. Owner, W. L. Hafer, Gettysburg Times, Gettysburg, Pa. Brick, concrete and terra cotta, 3 stories, slag roof, tile work, metal sash, fire escape, steam heating, electric lighting, stone foundations, 60x40 feet. Contract awarded to James Weikert, York street, Gettysburg, Pa.

## NEW JERSEY

### Construction News

**Residence**, Nottingham avenue, Trenton, N. J. Architect, R. A. Schuman, 932 Lamberton street, Trenton, N. J. Owner, F. Stein, 1950 Chestnut avenue, Trenton, N. J. Brick, 1½ stories, 28x32 feet. Plans in progress. Will take bids in three weeks.

**Store (alts. and add.)**, 339 Reservoir street, Trenton, N. J., \$15,000. Architect, R. A. Schuman, 932 Lamberton street, Trenton, N. J. Owner, H. M. Michales, on premises. Brick, 2 stories, 18x72 feet. Plans in progress.

**Stable and Garage**, New Egypt, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owner, F. S. Kazenbach, Jr., Trenton, N. J. Frame, 2 stories, 24x70 feet, shingle roof, concrete and wood floors, brick foundations, warm air heating, gas lighting, billiard room.

Architects have received bids.

**Tire Factory**, Bethlehem, Pa., \$250,000. Architect, J. O. Hunt, 114 North Montgomery street, Trenton, N. J. Owner, Travelling Tire Co., Bethlehem, Pa. Steel, brick and concrete, 2 stories, 80x175 feet and 75x50 feet, concrete foundations, steam heating, electric lighting, concrete floors, electric elevator, metal lath, iron stairs, slag roof. Plans in progress.

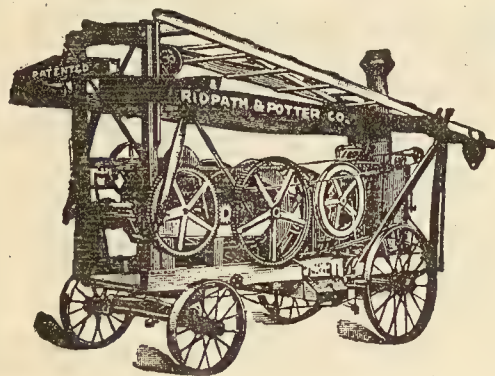
**Apartment House**, South Broad street, near Livingston street, Trenton, N. J. Architect, H. A. Hill, Broad Street Bank Building, Trenton, N. J. Owner, Harry Siegel, Trenton, N. J. Brick, 3 stories, 51x165 feet, slag roof, concrete foundations, steam heating, combination lighting, tile work, pine floors. Plans in progress. Owner will be ready for bids in two weeks.

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**Residence**, Pendercias avenue, Trenton, N. J. Architect, William Slack, St. Regis Theatre, Trenton, N. J. Owner, name withheld. Brick, stone foundations, 30x39 feet, slate roof, stone foundations, electric lighting, tile work, pine floors. Plans in progress.

**Residence (alt. and add.)**, North Broad street, Trenton, N. J., \$3000. Architect, H. A. Hill, Broad Street Bank Building, Trenton, N. J. Addition to and remodeling of rear building, 16x40 feet, tin roof, pine floors. Plans in progress. Owner, name withheld.

**Garage**, 23 Arctic avenue, Atlantic City, N. J., \$7000. Architect, W. S. Hewitt, Girard Trust Building, Atlantic City, N. J. Brick, 1 story, 51x80 feet, slag roof, concrete foundations, electric lighting, cement floors. Owner is taking bids.

**Apartment House**, Atlantic avenue, Atlantic City, N. J., \$15,000. Architect, Seward G. Dobbins, 18 South Virginia avenue, Atlantic City, N. J. Owner, name withheld. Brick, 3 stories, 23x10 feet, slag roof, pine floors, concrete foundations, hot water heating, electric lighting. Preliminary plans in progress.

**Residence (alt. and add.)**, Plaza, Ventnor, N. J., \$10,000. Architect, Seward G. Dobbins, 18 South Virginia avenue, Atlantic City, N. J. Owner, name withheld. Brick, 2 stories, slate roof, new boilers, parquet floors, tile work, glazing. Plans in progress.

**Residence**, Cambridge avenue, Ventnor, N. J. Architect, Seward G. Dobbins, 18 South Virginia avenue, Atlantic City. Owner, Benjamin R. Fox, Santa Rita Building, South Carolina avenue. Brick, stucco and hollow tile, 2 stories, 35x40 feet, slate roof, concrete foundations, electric lighting, tile work, hollow tile. Owner will take sub-bids in a few days.

**School (add.)**, Ninth and Florence streets, Camden, N. J., \$25,000. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owner, Board of Education, Camden, N. J. Twelve-room addition and auditorium. Architect selected. Sketches now being drawn.

## Delaware

### Construction News

**Manufacturing Plant**, Wilmington, Del., \$14,000. Architect, E. L. Rice, 815 Mar-

ket street, Wilmington, Del. Owner, name withheld. Brick, 4 stories, 39x54 feet, slag

roof, stone foundations, vapor heating, combination lighting, wood floors, elevators, rolled steel skylights, roof ventilators. Architect has received bids.

**Store and Apartments (add.)**, 1803 Market street, Wilmington, \$1500. Architect, private plans. Owner, J. J. Kelly, on premises. Brick, 2 stories, 5x38 feet. Contract awarded to Eastlack Contracting Co., 2306 Jefferson street, Wilmington, Del.

**Store**, Vandever and Lamsiti streets, Wilmington, Del., \$4000. Architect, private plans. Owners, Seabury & Blackwell, Wilmington, Del. Brick, 2 stories, 28x43 feet, slag roof. Contract awarded to J. M. Smyth, Wilmington, Del.

## MARYLAND

### Construction News

**Apartment**, 700 South Broadway, Baltimore, Md. Architect, George W. Callis, Jr., Melvin avenue, Catonsville, Md. Owner, Louis Mozer, 421 South Broadway, Baltimore. Brick, 3 stories, 21x81 feet, slag roof, steam heating, electric lighting, terrazzo work, dumb waiters. Plans in progress.

**Apartment House**, Eutaw Place near Brooks Lane, Baltimore, \$1,000,000. Architects, Walter M. Gieske, 65 Gunther Building, and Clyde M. Friz, Munsey Building, Baltimore. Owner, Knickerbocker Realty & Investment Co., care of L. Weinberg, Munsey Building. Steel, reinforced concrete, terra cotta, hollow tile, and marble, 10 stories, 110x150 feet, tile, marble, slate and terrazzo work, hardwood floors, elevators, dumbwaiters, refrigerators, fire escapes, steam heating, electric lighting. Plans in progress. Too early for details.

**Bank (alts.)**, Park avenue and Fayette street, Baltimore, Md., \$50,000. Architect, Robert L. Harris, Baltimore, Md. Owner, Seaboard Bank, care of B. W. Duke, President, Baltimore, Md. Alterations to first floor, new vault, counter screen, electric lighting, elevators, ornamental iron, skylights, ventilators, fireproofing, hollow tile, plastering, dumbwaiters, tile and marble work. Plans in progress.

**Bank**, Aberdeen, Md., \$45,000. Architect, Smith & May, Calvert Building, Baltimore. Owner, First National Bank, care of D. R. Jamison, Aberdeen, Md. Brick and steel (granite and marble), 1 story, 75x50 feet, concrete foundations, marble floors and counter, steam heating. Plans in progress.

**Bank**, Glenburnie, Md., \$12,000. Architect, Robert L. Harris, Baltimore, Md. Owner, Glenburnie Bank, care of P. Morgan, Cashier, Glenburnie, Md. Brick, 1 story, 42x36 feet, steel doors, slate roof, steam heating, electric lighting, hollow tile, bank fixtures. Ready for bids in three

weeks.

**Church**, North avenue and St. Paul street, Baltimore. Architect, Clyde N. Friz, Munsey Building, Baltimore. Owner, Seventh Baptist Church, care of Rev. C. H. Pinchbeck, on premises. Rebuilding structure, marble, 50x150 feet, slate roof, wood floors, hot water heating, electric lighting. Plans in progress. Too early for details.

**Residence**, Guilford, Md., \$30,000. Architect, Edw. L. Palmer, Jr., 513 North Charles street, Baltimore. Owner, Dr. E. P. Carter, 4219 Greenway avenue, Guilford, Md. Brick, 2½ stories, 30x45 feet, slate roof, metal lath, tile work, hardwood floors, vacuum cleaning system, hollow tile and stucco. Plans in progress.

## Maryland

### Contracts Awarded

**Hotel (alts.)**, 437 North Charles street, Baltimore, \$10,000. Architect, Joseph E. Sperry, Calvert Building, Baltimore. Owner, Allovizto & Corlis, on premises. General alterations. Contract awarded to R. B. Mason, 308 West Madison street, Baltimore.

**Dwellings (11)**, 3100-28 Windsor avenue and (4) 2200-06 Rosedale street, Baltimore, \$55,000. Architect, George Wessel, 614 North Dukeland street, Baltimore. Owner, Millard F. Carter, Frederick and Melvin avenues, Baltimore. Brick, 2 stories, slag roof, hot water and hot air heating, electric lighting. Owner is sub-letting.

**Dwellings (53)**, Ashburton, Winchester and Denison streets, near Harlem and Edmondson avenue, Baltimore, \$96,000. Architect, J. E. Beall, 1335 Gilmor street, Baltimore. Owner, James Kealty, on premises. Brick, 2 stories, 14x42 feet, slag roof, hot air heating, electric lighting, skylights, plumbing, tile work. Owner is taking sub-bids.

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# Permits for New Buildings

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## Philadelphia

Dwelling, Linden avenue, west of Ditman. J. W. A. Daubert (O and C), Marsden street, Torresdale, Philadelphia. Brick, concrete, 2 stories, 24x30 feet, slate roof.

Garage, Walnut Lane and Green street, \$600. Alferd Mellor (O), on premises. Wm. C. Wright (C), 22 Harvey street. Iron on iron, 1 story 12x13 feet.

Garage, 1530 Poplar street, \$500. J. J. Bridgeford (O), on premises. Jean J. Walters (C), 1536 Stiles street. Brick, 1 story, 11x28 feet, slag roof.

Garage, east side of Sixty-fourth street, south of Saybrook avenue, \$3,200. Hame-ron J. Farrell (O), 6352 Paschal avenue. Brick, 1 story, 17x18 feet.

Shop, west side of Sydenham, north of Cumberland street, \$1,750. Frank Rice (O), Thirteenth and Courtland streets. J. J. Hurley (C), 4410 Cresson street. Brick, 2 stories, 20x30 feet.

Garage, 6112-14 West Girard avenue,

\$1,900. John Hayes (O), on premises. J. P. Fallen (C), 449 South Sixtieth street. Brick, 1 story, 72x20 feet.

Garage, 4434 aul street, \$700. Simon Yankovetz (O), 4252 Frankford avenue. Wm. Brillinger (C), northeast corner of Lewis and Milner streets. Brick, 1 story, 27x17 feet.

Garage, 5233-35 Columbia avenue, \$1,200. Z. Elgart (O), 1617 North Fifty-second street. Samuel Elgart (C), 1617 N. Fifth-second street. Brick, 1 story, 31x21 feet.

Garage, rear of 5233-35 Columbia avenue, \$1,200. Sophia Elgart (O), 1617 N. Fifty-second street. Samuel Elgart (C), 1617 N. Fifty-second street. Brick, 1 story, 40x18 feet.

Dwellings (2), Horricks and Herbert streets, \$6,500. George Rimer (O), 4842 Hawthorn street. George Rimer (C). Brick, 3 stories, 16x54 feet.

Store and Dwelling, 1853 South Conestoga street, \$1,280. Margaret Robinson (O), 1150 South Conestoga street. John Droagoole (C), 1108 South Twenty-second street. Brick, 1 story, 16x9 feet, flush bulks.

Store and Dwelling, northeast corner of Orthodox and Tacony streets, Philadelphia, \$1,200. Samuel Ruripoff (O), 2346 Orthodox street. M. Kravitz (C), 815 Marshall street. Flush bulks, cellar door, alterations.

Garage, 6709 Yocum street, \$500. B. H. Cavanaugh (O), 6922 Woodland avenue. Paulson & Jones (C), 6829 Woodland avenue. Brick, 1 story, 29x16 feet, addition.

Store (alts.), 1208-10 Market street, \$1,000. S. Dalsimer (O), on premises. Smith-Hardican Co. (C), 1606 Cherry street. Alterations.

Warehouse and Factory, 245-47 Arch st., \$575. Woolworth Manufacturing Co. (O), 245 Arch street. Frederick V. Yeager (C), 9 South Thirty-sixth street, Philadelphia.

Dwelling, 1012 North Forty-third street, \$700. Joseph Snyder (O), on premises. Changing parlor to Dutch hall, changing stairway, alterations.

Garage, 6503 Chew street, \$400. Edward Wiegand (O), on premises. Geo. C. Fossell (C), 6503 Chew street, Philadelphia. Slate, second story, 22½x24 feet, slate roof.

Store and Dwelling, 18 South Twentieth street, \$400. Daniel Beaw (O), 1925 Venango street. Jos. Price (C), 2048 Rittenhouse street. New flush bulk.

Office, 345-47 North Third street, \$6,000. Sternfeld West Co. (O), 402 North Third street. Conneen Const. Co. (C), 10 South Eighteenth street. New stairway, alterations and repairs.

Warehouse and Beef Cooler, 22-24 South Delaware avenue, \$20,000. Armour & Co. (O), 917 Noble street. A. R. Raff Cont. Co. (C), 1635 Thompson street. Hollow tile and brick partitions, interior alterations.

Bakery and Garage, 5013-15 Lancaster avenue, \$8,200. Liberty Cake Co. (O), on premises. Jas. C. Fernald (C), 5522 Wyalusing avenue. Brick, 2 stories, 40x54 feet, 66x9 feet, alterations and additions, slag roof.

## THE LOCK-STEP NEXT.

Scot—"The Kaiser is melting up his builders' hardware."

Yank—"I knew that some day we would get his knobs."—*Building Age*.

An old legend tells of a magician's vase; the magician could get out of it only that which he put in. Advertising is just that. If you don't get into it the "kick" of salesmanship it is going to miss by just that much the pulling power it ought to have.

Business is founded on reciprocity and co-operation. Any other plan than this spells bankruptcy. The successful business nowadays has a heart and a soul.

Don't be a Rip Van Winkle. Advertise and let everybody know you are awake and abreast of the times.

## PERMITS FOR

# Alterations and Additions

O is the abbreviation for owner. C is for contractor.

## Philadelphia

Garage (int. alt.), 106 West Norris street, \$1850. Gates Candy Co. (O), on premises. Davis & Clayton (C), 1819 North Twentieth street.

Garage & Auto Supply (add. and alt.), 3943 North Broad street, \$2500. Stephen Hass (C), 1809 North Seventh street. Brick, 2 stories, 20x56 feet.

Office and Storage (alt.), 311-15 North Third street, \$10,000. Janney & Burroughs (O), 315 North Third street. Irwin & Leighton (C), 126 North Twelfth street.

Factory, 1218 Chestnut street, \$4500. Bailey, Banks & Biddle (O), on premises. Percival M. Sax (C), 1205 Franklin Building. Elevator shaft to extend from third to seventh.

Store, Southeast Corner Fifty-second and Race streets, \$1000. Bacharach Bros. (O), 1114 Chestnut street. Basch Co. (C), 1426 South Front street. Flush bulk alt.

Store and Dwelling, 2201 Coral street, \$800. C. F. Eggleston (O), Bailey Building. H. Cooper (C), 411 Tasker street.

Garage, 3508 Brandywine street, \$775. John Kelley (O), 3509 Spring Garden street. J. R. Brown (C), 614 Union street. Repair fire damages.

Storage and Ash Handling, Christian and Twenty-eighth streets, \$8000. Philadelphia Electric Co. (O-C), 1000 Chestnut street.

Tank Storage Building, 1084 Beach street, \$4000. G. G. Piere, Jr., 144 East Allen street. Turner Concrete & Steel Co. (C), 1713 Sansom street. Concrete floors.

Store, 1821 Chestnut street, \$500. E. W. Harris (O-C), 2214 Chestnut street.

Dwelling (add.), 7515 Ridge avenue,

\$1250. C. Copper (O), 2900 Ridge avenue. W. K. Collter (C), 2009 North Twenty-ninth street. Frame, 2 stories, 16x10 feet.

Dwelling, 5812 Chestnut street, \$475. M. Reny (O), on premises. Max Chipin (C), 73 Third street. Frame, 1 story, 10x8 feet.

Store and Dwelling, 3112 West York street, \$325. M. Scindere (O), on premises. Phil Miller (C), 3208 West Arizona street. Brick, 1 story, 10x12 feet.

Store and Dwelling, 700-702 Master street, \$850. B. Finberg (O), 717 Walnut street. A. Barsky (C), 636 Pine street.

Factory, Open Shed, Adams and Gaul streets, \$3200. Lowry Top & Body Co. (O), on premises. A. P. Fram (C), 319 Market street. Frame, 1 story, 28x71 feet.

Ice Storage Plant (add.), Fifty-seventh street, north of Hoffman street, \$28,000. Eagle Ice Co. (O), on premises. Herman Voight (C), North Twenty-ninth street. Brick, 1 story, 54x64 feet.

Dwelling, 1703 South Chadwick street, David Goldman (C), 746 Morris street. Brick, 1 story, 12x48 feet.

Store, 2744-46 North Front street, \$305. Morris Steven (O), on premises. N. Lithman (C), 2030 South Fifth street.

Store and Dwelling, 1352 Wagner avenue, \$2500. A. L. McCabe (O), on premises. G. H. Evans (C), 45 North Fifteenth street. Brick, 3 stories, 15x20 feet.

Dwelling, 1733 North Thirty-third street, \$400. A. H. Lazowick (O), on premises. Interior alterations.

Our specialty is Portland Cement that will stick and pass the City Department. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



## IMMEDIATE RESUMPTION OF BUILDING ACTIVITIES AS A NATIONAL ASSET.

(Continued from Page 80.)

and the influence of the European markets on our prices must be taken into consideration.

Prices of materials in the building line have increased sixty per cent. in the face of a declining demand. Prices of other commodities have increased one hundred and nine per cent.

Former Secretary McAdoo said in substance on November 17, 1918, in instructing the supervising architect to commence building for the Treasury Department, "the normal activity of the building industry will facilitate the transition of general industry from a war to a peace basis."

The purpose of this Division of the Department of Labor is to interest the nation in public work and private construction. When figures and principles are submitted to the public, each must use his own judgment as to the prudence of his individual undertaking. We are simply helping to bring about realization in this great basic industry that conditions have changed.

During the reconstruction period the labor and materials which might otherwise be idle can be fixed through this basic industry into permanent wealth which has earning power and pays taxes. Otherwise this labor and materials will go to waste. The activity of this industry is literal *reconstruction*.

Deferred construction is a part of our war debt—the first part to be paid, because through reconstruction we are making good our impaired facilities and putting ourselves into better condition to repay the remainder of our debt.

This Division is composed of men with practical training. Their desire is to present the truth to the nation.

Information obtained is being furnished to the public and transmitted directly to parties interested.

The Labor Department stands for increased production, while preserving the efficiency of the capital value of the individual worker, as it is only by increased production that the comforts of life may be made more universal. A decrease in consumption may make them cheaper, but the comforts of life become thus less and less available to all.

All recognize that the working man would have been ground out of existence before now if it had not been for the union, but the value of the dollar received by him as wages is the value he

established by the quality of the service he renders.

It is probable that the cost per cubic foot of modern fireproof buildings, up to three years ago at least, was less than the cost per cubic foot of the old six-story, non-elevator, non-fireproof building of thirty years ago. This is because of the rapid advance in the art, the manufacture of materials in large quantities, and the more ready assembling of the component parts through standardization of forms. In the assembling of these materials there are one to two hundred skilled artisans. As inventions and improvements occur—as metal lath is substituted for the wooden, reinforced concrete for brick, and the kalamine doors for wooden doors, etc., these trades suffer successively and yet the public is benefited. In the adjustment of the incidental trade disputes over such matters occurs our greatest trouble—yet this is just the same kind of trouble which occurred in Manchester, England, on the introduction of the textile machinery, and as has occurred in every great industrial center upon the introduction of the labor saving devices and improvements, each temporarily injuring one trade yet benefiting society as a whole. Less than 10 per cent. of our labor difficulties in the building line are due to contests for wages. Home building and home owning is the basis of the strength of the nation. While the home is not a negotiable investment, history has shown that it pays very large financial returns in the increased efficiency of the family. The home-owning spirit is awakened in about 120 cities throughout the United States in which end agitation is now active.

One of the greatest factors in making home owning possible is Building Associations. These associations are unable to supply the demand for money made on them because they are dependent upon the weekly payments of their members, but they possess nearly two billion dollars' worth of securities which they desire to pool in Home Loan Banks in each Federal Reserve district, in order that they may borrow upon these collateral assets, and with the proceeds furnish home builders with the money to undertake their small projects.

There are 7,200 such institutions throughout the country. Loss is practically unknown to them. Their directors serve without compensation and are the reliable men of the community. Last year they did a business of \$1,250,000,000 at a cost of eight-tenths of one per cent.

One factor in getting ourselves out of this state of liquidation is settlement by the government on war contracts, either verbal or written. It is confidently expected that during the current week Congress will give legal sanction to the moral commitments given by officials during our war emergencies, and that thus not only a large amount of capital will be immediately freed, for general industry, but, also, the past having been closed, thought and initiative may be directed to future undertakings.

## TERRAZZO FLOORS LAID IN A. D. 900.

A writer by the name of Sagredo, states an exchange, in referring to building construction in Venice, tells how Venetian pavement—today referred to as terrazzo floors—was laid. In A. D. 900 the usual method was to lay down a floor of heavy planks, upon which a thick layer of mortar and small pebbles was spread out and beaten down to a hard surface; upon this again a second layer of cement mixed with pounded bricks was spread, and this was beaten with heavy wood beaters till it was perfectly hard and even. It was from this beginning that the so-called "Venetian pavement" soon developed. For rich people caused small pieces of colored marble, and even mother-of-pearl, to be set into the cement of the second layer, which was then no longer beaten, but rolled with a ponderous stone roller and then rubbed down with a smooth stone and sand and water, and at last polished to a brilliant surface. So the roller for finishing concrete pavement is not so much of an innovation after all.

All live men are advertisers, and the only man who should not advertise is the man who has nothing to offer to the world in the way of human service, and such a man is a dead one, whether he knows it or not. Advertising is a legitimate and ethical proposition. Life is too short for you to hide yourself away, mantled in your modesty, and let the world hunt you out. Even the dead are advertisers, for on visiting a beautiful cemetery the other day, I noticed that on nearly every marble slab was given a list of the virtues, talents and beautiful qualities which the dead man was supposed to have carried in stock. This is what you call non-productive advertising, or advertising from an emotional standpoint.—Elbert Hubbard.

Portland Cement, Sand or Gravel by carload. Consult DAVID FRANCE CO.,  
Tasker Street Wharf, Delaware River, Philadelphia.



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Face, Etc.).

O. W. Ketcham.....Builders' Exchange, Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.  
Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.  
Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.  
Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.  
General Fireproofing Co.....832 Arch st., Phila.  
Henry S. Harris.....Land Title Bldg., Phila.  
Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truscon Steel Co....Commonwealth Bldg., Phila.

## Floor Plates.

Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.  
Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Insurance.

Harris J. Latta.....Penna. Bldg., Phila.  
Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Levels.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Light Iron Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lumber.

James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.  
Italian Marble Mosaic Co...433 Spruce st., Phila.  
Roman Mosaic and Tile Co.435 Green st., Phila.

## Metal Lath.

General Fireproofing Co.....832 Arch st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truscon Steel Co....Commonwealth Bldg., Phila.

## Metal Lath Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Metal Tiles and Shingles.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Meters.

Philadelphia Meter Co.,  
Real Estate Trust Bldg., Phila.

## Mill Supplies.

The Fairbanks Co.....7th and Arch sts., Phila.

## Paints and Varnishes.

The Barrett Company,  
New York and Philadelphia.  
Felton, Sibley & Co.....136 N. 4th st., Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

## Pipe Fittings and Valves.

The Fairbanks Co.....7th and Arch sts., Phila.

## Plumbing Fixtures.

Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Preservatives (Wood and Concrete).

The Barrett Co.....New York City and Phila.

## Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Refrigerators.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.

## Reinforcing Bars.

Truscon Steel Co....Commonwealth Bldg., Phila.

## Roofing.

The Barrett Co.....New York City and Phila.

## Roofing Tile.

O. W. Ketcham.....Builders' Exchange, Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Roofing Tin.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Roofing Slate.

William Moore Co.....1506 Sansom st., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

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Harrison, Mertz & Emlen, Inc.,  
Commercial Trust Bldg., Phila.

## Slate.

William Moore Co.....1506 Sansom st., Phila.

## Soundings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Structural Slate.

William Moore Co.....1506 Sansom st., Phila.

## Surety Bonds.

Harris J. Latta.....Penna. Bldg., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Tile and Terrazzo Work.

Belfi Bros. & Co.....1923 Market st., Phila.  
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Italian Marble Mosaic Co...433 Spruce st., Phila.  
Roman Mosaic and Tile Co...435 Green st., Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Tiling.

William Moore Co.....1506 Sansom st., Phila.

## Transits.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Ventilators.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Wall Board.

## Ceil Board.

James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Water Paint.

Wm. B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Waterproofing.

The Barrett Co.....New York City and Phila.

## Water Supply.

Harrison, Mertz & Emlen, Inc.,  
Commercial Trust Bldg., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Weather Strip (Metal).

C. W. MacDowell Agency,  
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## Window Screens.

C. W. MacDowell Agency,  
2118 Diamond st., Phila.

## Wire Work.

Audubon Wire Cloth Co., Inc....Audubon, N. J.



1792

1918

# Insurance Company of NORTH AMERICA PHILADELPHIA

FOUNDED 1792



## 126th Annual Statement

December 31, 1917

|                      |   |   |                 |
|----------------------|---|---|-----------------|
| Cash Capital         | - | - | \$ 4,000,000.00 |
| Reserve for Premiums | - | - | 10,630,740.40   |
| Reserve for Losses   | - | - | 4,419,000.00    |
| Reserve for Taxes    | - | - | 950,000.00      |
| Reserve for Sundries | - | - | 160,000.00      |
| Surplus              | - | - | 8,317,502.26    |

## TOTAL

\$28,477,242.66

|                                |   |   |                  |
|--------------------------------|---|---|------------------|
| Surplus to Policyholders       | - | - | \$ 12,317,502.26 |
| Losses Paid Since Organization | - | - | 192,518,273.33   |

## The Oldest American Stock Insurance Company

Fire Insurance  
Tornado  
Sprinkler  
Explosion  
Inland Transit  
Salesman's Floater

Automobile  
Use and Occupancy  
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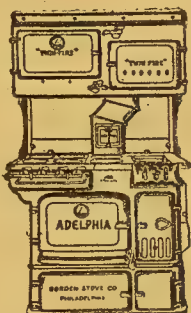
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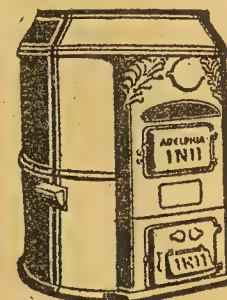
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## BORDEN Stove Company

1313 ARCH STREET

PHILADELPHIA





# Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 8  
February 19, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

LESS THAN ONE YEAR  
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(Pat. Pending)

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IMPORTANT! Mark Your Inquiries for Dept. 20

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DIAMOND MESH LATH  
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## TRUSCON STEEL WINDOWS

**TRUSCON STEEL COMPANY**  
Formerly TRUSSED CONCRETE STEEL COMPANY  
810 Commonwealth Building  
Philadelphia





### An important part of a fence is in the ground

It's the anchorage of the posts that determines whether the fence will keep its alignment and stand straight and true after years of service.

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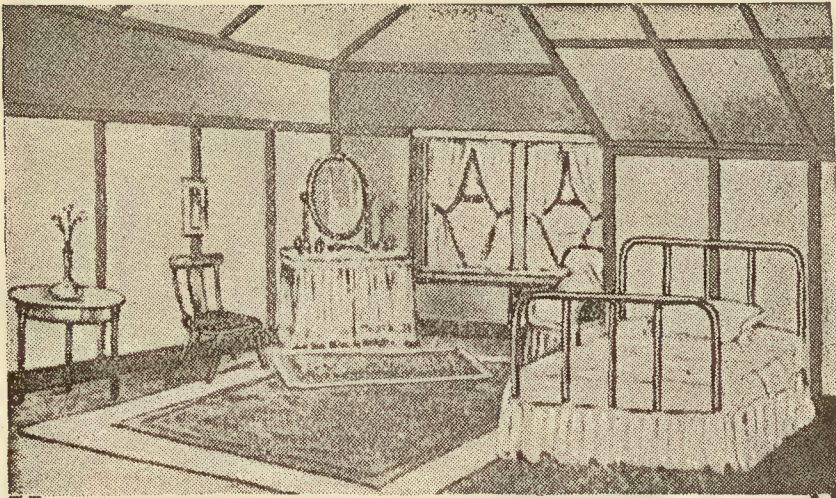


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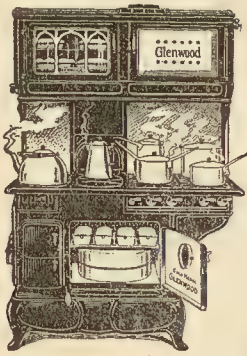
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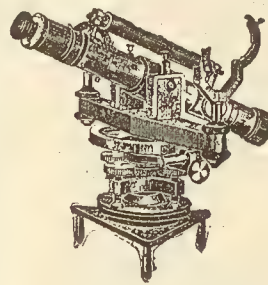
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
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February 19, 1919

## BUILDERS' GUIDE

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## As The Editor Sees It



THERE is no doubt existing in the minds of the prominent men of the country as to the importance of the construction industries in piloting America through the days of the reconstruction period. If, however, the plans for construction of public works, great office buildings, schools, roadways, and all other necessary buildings, remain only as plan for any great length of time America will have lost her great opportunity.

America stands today as a great creditor country, with unlimited possibilities for foreign trade; but, if the wheels of industry are not set in motion here at home; if the money available is not put in circulation, the country may have to realize that this time it is too late.

In order that the best results may be obtained; that the country may indeed take advantage of the opportunity knocking at her doors, the Department of Labor, through its Division of Public Works and Construction Development, is enlisting the co-operation and support of many Governors and Mayors in stimulating local and private initiative in the industrial readjustment.

Recent correspondence between State and municipal executives and the Information and Education Service of the Department discloses an enthusiastic approval of aims of the recently-created Division of Public Works and Construction Developments, a branch of the Information and Education Service,

which has been placed at the disposal of State, municipal and private interests desiring information on industrial conditions.

Governors Charles H. Brough, of Arkansas; Marcus H. Holcomb, of Connecticut; Sidney J. Catts, of Florida; D. W. Davis, of Idaho; Frank O. Lowden, of Illinois; James P. Goodrich, of Indiana; W. L. Harding, of Iowa; Henry J. Allen, of Kansas; Emerson C. Harrington, of Maryland; Calvin Coolidge, of Massachusetts; Theodore G. Bilbo, of Mississippi; Frederick D. Gardner, of Missouri; S. R. McKelvie, of Nebraska; Alfred E. Smith, of New York; O. A. Larrazola, of New Mexico; Lynn J. Frazier, of North Dakota; James M. Cox, of Ohio, are among the chief executives who are in touch with and interested in the work of the Department of Labor in stimulating public construction work.

Governor Frazier, of North Dakota, advises the Division of Public Works and Construction Developments his State now proposes "a permanent industrial commission shall undertake a program of public works and of State industries together with a special drive for home building and farm improvement." Governor Withycombe, of Oregon, writes that his State has a comprehensive road-building program for this season which will employ thirty-eight hundred men. In all States where Legislatures now are in session the subject

of expediting public work and encouraging private building is being discussed, special attention being given to the possibilities of this public work as a stimulus to industry and its effect on the labor situation.

In his message to the California Legislature, Governor Stephens emphasized the importance of immediate work on public undertakings in the following language:

"Immediate employment for our returning men may be provided by pushing forward, with utmost speed, the completion of the State highways, for which the people already have voted bonds. On this necessary work employment can be found for every California soldier who does not secure work immediately upon his return."

With reports from the industrial centers showing an increase in the labor surplus, the Department of Labor submits it is prudent for States and municipalities to be devising a way to do what Governor Stephens says road building will do in California—provide employment for every returning soldier until industry gets back to normal.

Hon. Ernest Lister, Governor of Washington, in his message to the State Legislature, made a statement of the industrial problem which is very similar to the representations now being made by the United States Department of Labor. He said:

"The problem of readjustment has

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been discussed by many persons solely on the basis of providing properly for and furnishing employment to the returning soldier. That portion of the problem involves our sense of honor. It is imperative and primary, and must have first attention. But the bringing about of such a result is only a partial solution of the whole problem of national welfare. In addition to approximately 4,500,000 men who entered the military and naval establishments proper, there are many additional millions who became a part of the great war-time industrial army engaged in the manufacture of arms, ammunition, clothing and in countless other lines of war activity. Many of the plants engaged in such production have already closed down; others have materially reduced their working forces. For the future well-being of our State and Nation it is absolutely essential that those who were employed in war industries and are now or will soon be without employment, be promptly provided for.

"Most of the men who put on the uniform were promised the return of their positions by their employers upon their discharge from the army. Those promises should not now be forgotten, nor ought we to overlook the fact, in keeping them, that many persons who filled the positions during the absence of the soldiers will presently find themselves out of employment.

"Speaking from the standpoint of the State, I believe it is our duty and responsibility so to adjust conditions that there will be employment available in the State for every able-bodied person willing to accept it.

"All of the responsibility for furnishing employment should not be shoved over upon the government agencies. It is true that the Nation, State, counties, municipalities and other political subdivisions can assist greatly in handling the problem. But it is equally true that the investor who had contemplated the erection of a business building, the individual who has desired to erect a new residence, the manufacturer who intended improvements in his factory, all of whose plans were delayed by war conditions, ought now quickly to so arrange their affairs that they may proceed with these contemplated improvements and thus aid in providing employment for those who desire and need it. I sincerely hope our people will not overlook this individual responsibility. They should not expect the entire problem to be worked out through public improvements that may be undertaken, for if this be the case the time will come when public work will cease and the labor problem will remain unsolved."

**W**HAT is holding back building and construction work?

More than five hundred opinions on this question have been received in the last two weeks by the Information and Education Service of the United States Department of Labor. Many building authorities blame Congress, others charge the financial interests of the country with responsibility. In the central west freight rates are said to be exerting an injurious influence. In the main, high costs of materials are held to be the chief obstacle.

"Don't expect private capital to build merely for the sake of furnishing jobs for workmen," writes a well-known architect from Buffalo. "That is the obligation of the government, be it local, State or national. Let public works be started at once for the benefit of the public. The cost will be high and the public will have to pay the price, but the public will reap the benefit in the reduction of unemployment, the absorption of the products of many industries and the use of many works of which there is great need."

From Passaic, N. J., comes the following statement: "I am greatly hindered in progress of this work by not being able to procure loans by ways of mortgage, in large amounts, say, in the neighborhood of \$150,000. The banking institutions and mortgage companies are making only small loans around here, and even where there is ample security will not consider investing a large amount of money in one place."

Labor conditions and demands are held to be unfavorable to immediate building operations by many of the authorities writing to the Information and Education Service. An architect, writing from Lincoln, Neb., makes the following statement, typical of the complaints along this line:

"Construction work in these parts is now and has been impeded not a little, due to the unreasonable demands of labor not only for exorbitant wages, but more by the fact certain very undesirable trade rules are being enforced by labor organizations, which run up the cost of doing work enormously."

Many of the contractors and builders in the central west assert freight rates are the chief trouble. Typical of these arguments is the following from Greenville, Ohio:

"We have no complaint to make in the matter of securing credits, building materials and labor. It is true that wages are quite high and yet not prohibitive. The greatest detriment to our industry through the central west is prohibitive freight rates on sand and gravel. It is not only threatening to destroy our industry, but at the same time it is impeding

highway construction and other building projects which demand a high grade of these basic materials."

Lack of co-operation on the part of financial interests seems to be the outstanding obstacle in New York. One of the best authorities on the building industry in New York City sums up the situation there in this fashion:

"We have in the United States serious difficulty owing, principally, to the unwillingness of financial interests to co-operate in building projects with the material and labor market in its present condition. We are working on a total of nine industrial projects involving approximately 6,000 workmen's homes, to be carried out by private interests in various important industrial centers, but in each case we are hampered by the building loan situation. The only definite work we expect to carry out without delay is located outside of the United States."

From St. Louis, Mo., a well-known architect writes: "I am firmly convinced that the one thing the building public wants to know is the cost of building today as compared to the next three to five years. If they could be assured that the cost will not drop within that time there would be a tendency to proceed with the needed work."

As for the last question the Information and Education Service of the Department of Labor, through the Division of Public Works and Construction Development now is seeking authoritative information as to what can be expected in material prices for the next five years. While the investigation lacks completeness at this time, no definite conclusions may be stated. Many eminent building and material authorities, however, insist that no marked decrease in material prices may be expected for the next five years. They assert with some positiveness that pre-war prices on building materials will not be re-established for several years, if ever. These assert that persons who delay building in the hope of marked reductions in building costs probably will be disappointed and will have denied themselves the use of needed property and the revenues which would be derived therefrom.

In response to the Department of Labor's inquiry as to future rates on building and construction materials, the United States Railroad Administration asserts there is to be no general thirty per cent. advance on freight rates for sand, gravel, crushed stone and slag. The rumor that such advances were contemplated was arousing anxiety in the central west. Under date of January 20 the Railroad Administration put out a circular which says: "There is no foundation

(Continued on Page 99)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Residence, Queen Lane Manor, Philadelphia.** Architect, Samuel D. Hawley, 34 South Seventeenth street, Philadelphia. Owner, Logan Howard-Smith, 1006 Arch street, Philadelphia. Hollow tile, 2½ stories, 25x42 feet, wing 10x20 feet, slate roof, hot water heating, electric lighting, tile work, hardwood doors. Plans in progress. Architect will be ready for bids in about one week.

**Service Building, Broad and Mellon streets, Philadelphia.** Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Samuel Gerson, 238 North Broad street, Philadelphia. Brick, 2 stories, size of lot 20x87 feet, slag roof, reinforced concrete floors, steam heating, electric light. Architect will be ready for bids in about one week.

**Store and Dwelling, 704 South street, Philadelphia.** Architect, Reuben Beard, 1311 Commonwealth Building, Philadelphia. Owner, J. Beifeld, on premises. Brick, 3 stories, 20x27 feet, slag roof, stone foundations, hot water heating, electric and gas lighting, tile and marble work, flush bulk, metal ceiling. Revised plans in progress. Owner will be ready for bids in a few days.

**Shipbuilding Slips Nos. 2 and 3 (adds.), Spec. 3781, Navy Yard, Philadelphia, \$325,000.** Architect, private plans. Owners, U. S. Government, care of C. W. Parks, Chief, Bureau of Yards and Docks, Navy Department, Washington, D. C. Reinforced concrete and steel, 148x128 feet and 169x122 feet. Extension with lobbies, storeroom and driveway, Trigger Pit, foundations for extension in shore of Crane Runways for Slips Nos. 2 and 3, timber and concrete piles, tinclad doors, plumbing, heating, electric lighting, slag roof, reinforced concrete floors, hollow tile, hot water heating, glazed steel sash, safety treads, roof ventilators. waterproofing. Owners taking bids, due February 24th at 11 A. M. Wm. Linker Co., 831 Cherry street; Hughes Foulkrod Co., Commonwealth Building; Thos. Reilly, 1616 Thompson street; Wm. Steele & Sons, Sixteenth and Parkway; H. M. McCloskey, Jr., 1620 Thompson street; Warren-Moore Co., Colonial Trust Building, are figuring. Deposit of \$20.00 required.

**Office Building, Third and Venango streets, Philadelphia.** Architect, private plans. Owners, Allen Iron and Steel Co., care of W. C. Stoddart, president, on premises. Brick, 2 stories, 35x50 feet, slag roof, cement and yellow pine floors, steam heating, electric lighting, concrete foundations, plumbing. Owners have received bids.

**Dwelling and Store (alts. and add. to Stores and Apartments), 281 South Fifty-second st., Philadelphia.** Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Henry J. McLean, 907 South Forty-ninth street, Philadelphia. Brick, 2 stories, 18 feet 10 inchesx91 feet, slag roof, hardwood floors, hot water heating, electric lighting, tile work, hollow metal skylights, metal bulks, metal ceiling. Owner taking bids. A. Sonnenfeld,

287 Cobb's Creek Boulevard, additional bidder.

**Garage, Front and Girard avenue, Philadelphia.** Architect, Reuben Beard, 1311 Commonwealth Building, Philadelphia. Owner's name withheld. Brick, slow burning construction, 1 story, 190x210 feet, slag roof, cement floors, electric lighting. Working plans in progress.

**Apartments and Store, Seventeenth and Norris streets, Philadelphia, \$3,000.** Architect, LeRoy K. Rothschild, 1225 Sansom street, Philadelphia. Owner, A. F. Schaeffer, 1603 Norris street, Philadelphia. Changing present building into store and apartments, brick work, steam heat, electric light, maple floors, tile work, gas ranges, flush bulks. Owner will sub-let.

**Sub-Station for Piers A, B and C, Spec. 3798, Navy Yard, Philadelphia.** Architect, private plans. Owners, U. S. Government, Department of Public Works, Philadelphia Navy Yard. Brick, 1 story, 21 feet high, 40½x49 feet, concrete foundations, slag roof, rolled steel sash, reinforced cement floor, drainage (heating, plumbing and lighting reserved). Lowest bidder: Wark & Co., 1737 Filbert street, \$7,695, 45 days.

**Drill Shed, Thirty-second and Market sts., Philadelphia.** Architect, Philip H. Johnson, Presser Building, Philadelphia. Owners, State of Pennsylvania, care of State Armory Board, Harrisburg, Pa. Brick and steel, 1 and 2 stories, Thirty-second to Thirty-third to Cuthbertson streets, ready roof, rolled steel sash. Plans approved. Owners will advertise for bids in a few days.

**Residence (alts.), Forty-eighth and Regent streets, Philadelphia.** Architect, Bart Tourison, Land Title Building, Philadelphia. Owner, Joseph Rogers, on premises. Consists of interior alterations, painting, plastering, electric lighting, plumbing, new partitions and bath rooms. Architect is taking sub-bids.

**Theatre (alts.), 1018 Market street, Philadelphia.** Architects, Hoffman Co., Finance Building, Philadelphia. Owners, Princess Theatre, care of James Martin, manager, on premises. Interior alterations. Plans in progress. Will be ready for bids in one week.

**Theatre (alts.), 1214 Market street, Philadelphia.** Architect, Paul J. Henon, Jr., 10 S. Eighteenth street, Philadelphia. Owners, Palace Theatre, on premises. Steam heating, electric lighting, concrete floors, metal lath, cabinet work, painting, plumbing, decorating. Architect will be ready for sub-bids in one week.

**Residence and Garage, St. Martins Lane and Hartwell Road, Germantown.** Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner's name withheld. Hollow tile and stucco 2½ stories, 45x30 feet, wing 20x30 feet; Garage, 1 story, 16x22 feet, slate roof, oak and cement floors, stone foundations, hot air heating, electric lighting, tile and marble work. Architects taking bids, due February 20th. Wm. J. Gruhler Co., 219 East High

street; J. Sims Wilson Co., 1125 Brown st.; Milton W. Young, Overbrook, Pa., and Specht & Sperry, Heed Building, are figuring.

**Sales and Service Building, 818 North Broad street, Philadelphia.** Architect, LeRoy K. Rothschild, 1225 Sansom street, Philadelphia. Owners, Hartford Realty Co., 1012 Liberty Building, Philadelphia. Brick and stone, 2 stories front, 1 story rear, 20x100 feet, slag roof, concrete floors, stone foundations, steam heating, electric lighting, tile work, hollow metal skylights, metal bulks. Plans about completed.

**Garage, Store and Offices, 1736-48 North Broad street, \$150,000.** Architect, private plans. Owners, Clark & Craighead, on premises. Brick, 2 stories, 103x194 feet, slag roof, steam heating, general rebuilding. Owners are sub-letting.

**Hotel, southwest corner of Darien and Catherine streets, Philadelphia.** Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, Frank Palumbo, 824 Catherine street. Brick and terra cotta, 4 stories, 68x84 feet, slag roof, hot water heating, electric lighting, marble and tile work, metal lath, fire doors, kalamein doors, vacuum cleaning system. Revised plans in progress. Architect will be ready for bids in two weeks.

**Club House (alt.), Chestnut Hill, Philadelphia.** Architect, R. W. Pollock and E. R. Rust, 1802 Chestnut street, Philadelphia. Owner, Whitmarsh Country Club, Chestnut Hill, Pa. Millwork, plumbing, plastering, painting, interior decorating. Architects are ready for bids.

**Residence and Garages (7), Wingohocking street and Boulevard, Logan.** Architect, I. Demchick, 2430 South Third street, Philadelphia. Owners, Rose Const. Co., Inc., Widener Building, Philadelphia. Stone and stucco, 2½ stories, 24x60 feet, slate and slag roof, stone foundations, hot water heating, electric lighting, tile and marble work, metal lath, oak and yellow pine floors. Owners are taking sub-bids.

**Residences (30), Fisher's lane, Second to Third streets, Olney, Philadelphia.** Architects, Robert W. Pollock and E. G. Rust, 1802 Chestnut street. Owner, F. W. Storck, 1616 West Passyunk avenue, Philadelphia. Brick, 2 stories, 16x75 feet, slag and tin roof, yellow pine floors, hot water heating, electric lighting, stone foundations, tile work. Plans in progress. Architect will take bids in ten days.

**Residence (alts.), 1926 Rittenhouse street.** Architects, R. W. Pollock and E. G. Rust, 1802 Chestnut street. Owner, name withheld. Three stories, hot water heating, electric lighting, tile and marble work, copper and tin roof, oak floors, ornamental iron work, millwork, plumbing, plastering. Plans in progress. Ready for bids in one week.

**Bank (alts. and add.), Kensington and Allegheny avenues, Philadelphia.** Architects, Heacock & Hokanson, Bailey Building, Phila-

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**Factory**, 1220-24 Sansom street, Philadelphia. Engineer, P. M. Sax, Franklin Bank Building, Philadelphia. Owner, name withheld. Brick, steel and concrete, 12 stories, 43x80 feet, slag roof, concrete foundations, steam heating, electric lighting, rolled steel sash, kalamein and rolling steel doors, concrete floors, metal lath, elevators, safety treads. Plans about completed. Engr. ready for bids.

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## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Pier**, Kenilworth street, Philadelphia. Architect, private plans. Owners, City of Philadelphia, Department of Wharves, Docks and Ferries, Bourse Building, Philadelphia. Yellow pine, Norway pine or cypress piling, steel reinforced concrete, 1 story, 547 feet 10 inches x120 feet, slag roof, ornamental terra cotta, mastic floors, hollow tile, metal lath, safety treads, rolled steel sash, rolled steel skylights, kalamein and rolling steel doors, granite blocks, asphalt paving. Contract awarded to F. W. Mark Cont. Co., Finance Building, \$763,800.

**Post Office**, southwest corner of Second and Ionic streets, Philadelphia, \$27,000. Architect, private plans. Owner, J. W. Hallowell, 113 South Broad street, Philadelphia. Brick, 1 story, 73x25x95 feet, slag roof, hot water heating. Contract awarded to Doyle & Co., 1519 Sansom street.

**Office (alts.)**, southwest corner of Broad and South Penn Square, \$2,500. Architect, private plans. Owners, West End Trust Co., on premises. Steel and terra cotta partitions. Contract awarded to LeRoy K. Smith, Forty-first and Chester avenue.

**Cooling Tower**, southeast corner of Germantown and Sedgley avenue, \$6,000. Architect, private plans. Owners, Air Reduction Co., 120 Broadway, New York City. Brick, concrete and steel. Contract awarded to the Cooling Tower Co., 15 John street, New York City.

**Bank (alts.)**, 517 Chestnut street, Philadelphia, \$3,500. Architect, private plans. Owners, Pennsylvania Co., 517 Chestnut street, Philadelphia. New lavatory, tile and marble work, plumbing. Contract awarded to John Duncan, 920 Walnut street, Philadelphia.

**Storage Warehouse**, 2709-2713 North Broad street, Philadelphia. Architect, private plans. Owners, Miller North Broad Storage Co., 2715 North Broad street. Reinforced concrete and brick, 6 stoies, 52x100 feet, slag roof, steam heat, electric light, dampproofing, fire doors, terrazzo work. Builders, John N. Gill & Co., Otis Building, taking sub-bids.

**Refrigerator and Ice Plant**, 2127 W. Clearfield street, \$7,700. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owner, Jacob Hornung, 2125 West Clearfield street. Brick, 1 story, 30x63 feet, slag roof, concrete floors, electric lighting. Contract awarded to P. Haibach Cont. Co., Twenty-sixth and Thompson streets.

**Packing Plant (add.)**, 425 Fairmount avenue, Philadelphia, \$25,000. Architect, private plans. Owners, H. C. Derby & Co., care of T. C. Robinson, Const. Engr., Swift & Co., Ninth and Girard avenue, Philadelphia. Brick, concrete and steel, 2 stories and basement, 95x20 feet, Barrett roof, concrete foundations, electric lighting, concrete and asphalt floors, hollow tile, electric lighting, rolled steel sash, fire and kinnear doors, water cooling tower. Contract awarded to J. Sims Wilson Co., 1125 Brown street, Philadelphia.

**Store and Dwelling**, 745 South Second street, Philadelphia, \$6,400. Architect, J. Ethan

Fieldstein, Penfield Building, Philadelphia. Owner, Mrs. Jennie Goldsmith, 841 South Second street, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, steam heating, electric lighting, tile and marble work, metal ceiling. Contract awarded to Frank Lucci, 1603 Ellsworth street.

**Restaurant (fire repairs)**, 1203 Cuthbert st., Philadelphia, \$485. Architect, private plans. Owners, Horn & Hardart Co., 214 South Tenth street, Philadelphia. Fire damage repairs. Contract awarded to Harry R. Rust, 19 South Eighth street.

**Support and Tower**, east side of Third st., south of Norris st., \$1,200. Architect, private plans. Owners, Norris Market Ice Manufacturing Co. and Cold Storage, on premises. Steel support and water cooling tower. Contract awarded to P. Haibach Cont. Co., Twenty-sixth and Thompson streets.

**Fire House, Police Station, Boiler House and Stable**, Twenty-fourth and Ritner streets, Philadelphia. Architect, Philip H. Johnson, 1713 Sansom street, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, City Hall. Brick and concrete, limestone, terra cotta, fireproof, 52½x46 feet, 1 story, 96x98 feet, 46x52½ feet, wing 46x103 feet, stone foundations, slate roof, cork brick, terrazzo, marble, tile, granolithic and wood block and wood floors (electric light, steam heat, plumbing reserved), marble and terrazzo work, metal lockers, iron stairs, ornamental iron work, metal lath, safety treads, metal window guards, metal weatherstrips, waterproofing, dampproofing, wire work and screens. Contract awarded to Frank G. Stewart, 1619 Sansom street.

**Loft Building (alts.)**, 729 Arch street, Philadelphia, \$1,800. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Max S. & Morris Apt, 723 Arch street, Philadelphia. New toilets, new bulk, metal lath (heating, electrical work, plumbing and sprinklers reserved). Contract awarded to Frank I. Wintz, 1618 North Twenty-seventh street.

**Shop Building**, Thirty-third and Woodland avenue, Philadelphia. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owners, Peters Eng. Co., 3202 Chestnut street, Philadelphia. Brick (slow burning), 1 story, 43x67x157x104 feet, slag roof, cement floors, electric lighting, ventilators, skylights. Owners will build.

**Department Store**, 925-27 Market street, Philadelphia, \$195,000. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, L. W. Hirsch Co., 923 Market street, Philadelphia. Extensive remodeling of building, 5 stories and basement, 40x200 feet, carpentry, cabinet work, steam heating, electric lighting, marble and terrazzo work, hollow metal sash, kalamein doors, metal bulks, fire towers, iron stairs, ornamental iron work, tile, hardwood and maple floors, metal lath, (3) elevators, safety treads, roof ventilators, waterproofing, dampproofing. Contract awarded to Melody & Keating, 1322 Race street,

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Philadelphia.

**Pier**, Kenilworth street, Philadelphia, \$763,800. Architect, private plans. Owners, City of Philadelphia. Department of Wharves, Docks and Ferries, Bourse Building, Philadelphia. Yellow pine, Norway pine or cypress piling, steel reinforced concrete, 1 story, 547x120 feet, slag roof, ornamental terra cotta, mastic floors, hollow tile, metal lath, safety treads, rolled steel sash, rolled steel skylights, kalamein and rolling steel doors, granite blocks, asphalt paving. Contract awarded to F. W. Mark Cont. Co., Finance Building.

**Dwelling**, 505 Pine street, Philadelphia. \$5,000. Owner, Dr. I. Schechter, on premises. Brick, 2 stories, slag roof, steam heating, electric lighting, general fire restoration. Contract awarded to Louis Swerdloff, 228 South Fifty-ninth street, Philadelphia.

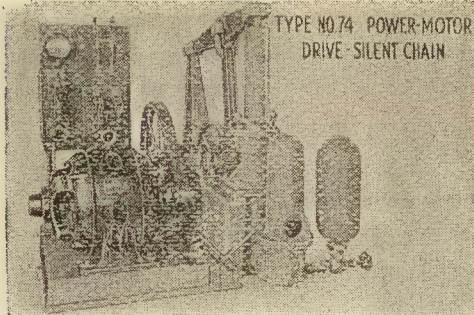
**Dwelling**, Cottman and Duncan streets, Philadelphia. \$3,500. Architect, private plans. Owner, James Griffith, 836 North Orianna street. Frame, 1 story, 24x40 feet. Contract awarded to Neveling Bros., 121 Sylva avenue, Rockledge, Pa.

**Warehouse**, Philadelphia. \$30,000. Architect, private plans. Owner, name withheld. Brick (mill construction), 3 stories, 42x100 feet, slag roof, cement and maple floors, vapor heating, electric lighting, hollow metal sash, and skylights, steel rolling doors. Contract awarded to Henry P. Schneider, 3713 Old York road.

**Dormitories (alts.)**, Broad and Fairmount avenue, \$20,000. Architect, private plans. Owners, Salvation Army, on premises. Brick, 5 stories, steam heating, electric lighting, yellow pine floors, metal lath, hollow metal skylights, kalamein doors, roof ventilators, fire escapes. Contract awarded to F. L. Hoover & Son, 1023 Cherry street, Philadelphia.

**Recognition Booths, Shelter and Fences**, Spec. 3771, Navy Yard, Philadelphia. \$12,950. Architect, private plans. Owner, United States Government, care of Department of Public Works, Navy Yard, Philadelphia. Frame and concrete, wire fence, concrete piers, ready roof, electric lighting. Contract awarded to Turner Concrete Steel Co., 1713 Sansom street.

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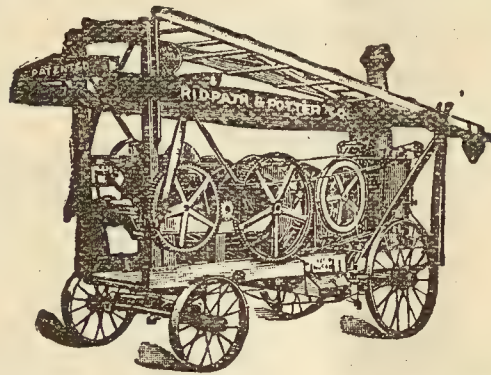


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## PENNSYLVANIA Construction News

**Parish House**, Garrett Road and Riverview ave., Drexel Hill, Pa. Architect, private plans. Owner, Episcopalian Chapel of the Incarnation, care of Mr. Cassalf, chairman of Building Committee, Drexel Hill, Pa. Stone, 1 story and basement, 28x74 feet, 20x17 feet, 13x16 feet, slate roof, stone foundations, steam heating, electric lighting, cement and yellow pine floors, hollow tile, iron work. Owners taking bids, due February 22nd. Doyle & Co., 1519 Sansom street, are figuring.

**Theatre and Office Building**, Allentown, Pa. Architects, Hoffman Co., Finance Building, Philadelphia. Owners, Wilmer & Vincent Theatre Co., 33 West Forty-second street, New York City. Brick, steel, stone and concrete, 7 stories. Work contemplated. Sketches being drawn.

**Memorial**, Gorgas Park, Roxboro, Pa. Architect, Herman Miller, Crozer Building, Philadelphia. Owners, Twenty-first Ward Memorial Association, Philadelphia. Granite, bronze and mosaics, 15x29 feet. Will be ready for bids in about one week.

**Factory (add.)**, North Eighth street, Reading, Pa. Architect, Leo L. Gerhard, 619 Penn street, Reading, Pa. Owner, W. H. Luden, N. Eighth street, Reading, Pa. Brick, mill construction, 4 stories and basement, 99x156 feet, composition roof, maple floors, stone foundations, electric lighting, waterproofing. Plans in progress.

**Twin Houses**, Spring Valley, Reading, Pa. Architect, W. A. Fink, 426 Franklin street, Reading, Pa. Owner, O. W. Seward, 103 Fifth street, Reading, Pa. Stucco, 2½ stories, 30x40 feet, tile roof, concrete foundations, hot water heating, electric lighting. Owner will be ready for bids in ten days.

**Residence**, Schuylkill Haven, Pa., \$9,000. Architect, L. L. Gerhard, 619 Penn street, Reading, Pa. Owner, G. P. W. Sawl, Schuylkill Haven, Pa. Hollow tile, 2 stories, 30x52 feet, slate roof, oak floors, hot water heating.

electric lighting. Plans in progress. Owner will take bids in a week.

**Houses (10)**, Front and Robinson streets, Reading, Pa. Architect, C. J. Young, 246 Jameson street, Reading, Pa. Owner, W. I. Renninger, 620 North Front street, Reading, Pa. Brick, 2½ stories, 14x60 feet, slate roof, stone foundations, hot water heating, electric lighting. Plans in progress. Owner will be ready for bids in two weeks.

**Residence**, Park Hill, Pa., \$100,000. Architect, Fritz Ehrlsam, 922 Penn street, Reading, Pa. Owner, Wm. Luden, 216 N. Eighth street, Reading, Pa. Stone, 84x120 feet, hardwood floors, hot water heating, electric lighting. Architect will take sub-bids about March 1st.

**Residence (alts.)**, Yardley, Pa. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owner, Harry Whitehead, Trenton, N. J. Remodeling entire residence, slate roof, tile porch floor, hollow tile, hot water heating, electric lighting, tile work, plumbing. Plans in progress. Architects will take sub-bids.

**Garage, Apartments and Store Front**, Chambersburg street, Gettysburg, Pa., \$5,000. Architect, private plans. Owner, C. A. Tininous, Chambersburg street, Gettysburg, Pa. Brick and concrete, 2 stories, 100x29½ feet, slag roof, pipeless heating, metal sash, metal bulks (electric lighting reserved), plumbing. Owner has received bids.

**Woodworking Plant (add.)**, Boyertown, Pa. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Boyertown Burial Casket Co., 1211 Arch street, Philadelphia. Brick, 1 story (part basement), 100x200 feet, stone foundations, steel truss reinforced, slag roof, steam heating, electric lighting, hollow metal skylights, yellow pine floors. Plans in progress. Architects will be ready for sub-bids in 10 days.

**Tire Factory**, Bethlehem, Pa., \$250,000. Ar-

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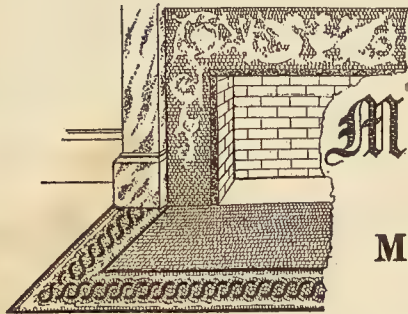
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Warehouse, 432 Manning Street, Philadelphia

chitect, J. O. Hunt, 114 North Montgomery street, Trenton, N. J. Owners, Traveling Tire Co., Bethlehem, Pa. Steel, brick and concrete, 2 stories, 80x175 feet and 75x50 feet, concrete foundations, steam heating, electric lighting, concrete floors, electric elevator, metal lath, iron stairs, slag roof. Plans in progress.

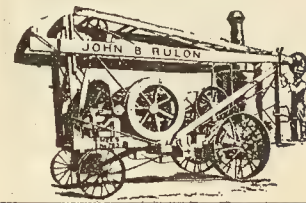
**Country Residence** (alts. and add.), near Reading, Pa. Architect, Fritz Ehrsam, 922 Penn street, Reading, Pa. Owner, D. B. Gates, 640 Penn street, Reading, Pa. Stone, conservatory addition to main residence and general

alterations to frame building. Plans in progress.

**Printing House and Apartments**, Chester, Pa. Architects, Lachman & Murphy, Drexel Building, Philadelphia. Owner, H. P. Bartow, Chester, Pa. Brick, 3 stories, 20x100 feet, slag roof, oak floors, stone foundations, vapor heating, electric lighting, tile work, yellow pine floor, hollow metal skylights, ventilators. Plans about completed. Will take bids in about one week.

## ARTESIAN WELLS DRILLED

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escapes, roof ventilators. Plans in progress.

**Bungalows** (20), Chelsea, N. J. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owner, Wm. Cummings, care of architects. Asbestos lumber, 1 story, 16x24 feet, asbestos shingle, pine floors, electric lighting. Plans in progress.

**Residence**, Atlantic City, N. J. Architect, Harry Gordon McMurtrie, 1012 Walnut street, Philadelphia. Owner's name withheld. Hollow tile and plaster, 2½ stories, 34x50 feet, tile roof, oak floors, brick foundations, hot water heating, electric lighting. Plans in progress. Will be ready for bids in three weeks.

**Machine Shop**, North Indiana avenue, Atlantic City, N. J. Architect, J. R. Ogden, 143 South Carolina avenue, Atlantic City, N. J. Owners, Mack & Philpot, on premises. Brick, 1 story, 48x100 feet, slag roof. Architect is taking bids.

**Cottage** (add.), 20 North Georgia avenue, Atlantic City, N. J. Architect, J. R. Ogden, 143 South Carolina avenue, Atlantic City, N. J. Owner, care of Frank Miller, 2300 Atlantic avenue, Atlantic City, N. J. Brick, 3 stories, 16x20 feet. Owner is taking bids.

**Twin Houses** (2), South Winsor avenue, Atlantic City, N. J. Architect, J. R. Ogden, 143 South Carolina avenue, Atlantic City, N. J. Owner, Joseph McMenamin, Mississippi and Pacific avenue, Atlantic City, N. J. Stone and frame, 2½ stories, hot water heating, electric lighting, tile work, hardwood floors. Owner is taking bids.

**Court of Honor**, Trenton, N. J. Architects, Wm. Slack & Son, St. Regis Theatre Building, Trenton, N. J. Owners, City of Trenton, City Hall, Trenton, N. J. Frame, 340 feet long, ornamental plaster. Plans in progress. Will take bids in about three weeks.

**Residence**, Hopewell, N. J. Architects, Wm. Slack & Son, St. Regis Theatre, Trenton, N. J. Owner's name withheld. Frame, 2½ stories, 38x30 feet, slate roof, stone foundations, electric lighting, tile work, pine floors. Plans in progress.

**Store and Dwelling** Broadway and Kaighn avenue, Camden, N. J. Architect, Reuben Beard, Commonwealth Building, Philadelphia. Owner, Morris Erfer, on premises. Brick, 2 stories, 18x100 feet, slag roof, stone foundations, hot water heating, electric lighting, tile work, hardwood floors, metal ceilings, flush bulks. Plans in progress. Architect will be ready for bids in ten days.

**High School**, Burlington, N. J. Architect, H. A. Brown, First National Bank, Trenton, N. J. Owner, Burlington School Board, care of W. E. Ridgeway, secretary, on premises. Brick, 2 stories, slag or slate roof, maple floors, stone foundations, steam heating, electric lighting. Plans in progress.

## PENNSYLVANIA

# Contracts Awarded

**Residence** (alts. and add.) to Farm House, near Devon, Pa. Architect, R. B. Okie, Crozer Building, Philadelphia. Owner, A. T. Baker, Jr., Devon, Pa. Stone and frame, 2 stories, 30x45 feet, shingle roof, stone foundation, hot air heating, electric lighting. Contract awarded to Wm. H. Parlaman, Devon, Pa.

**Store and Apartment**, 316 Penn street, Reading, Pa., \$5,000. Architect, Calvin J. Young, 246 Jameson Place, Reading, Pa. Owner, J. D. Neff, 316 Penn street, Reading, Pa. Brick, 2 stories, alterations to second floor, plumbing, electric lighting, hardwood floors. Contract awarded to George Kline, Reading, Pa.

**Store Front and Alts.**, Centre Square, Gettysburg, Pa., \$6,000. Architect, John Crow, Gettysburg, Pa. Owner, R. P. Funkhouser, on premises. Tile and marble work, mill work, plastering, electric lighting, metal ceiling and bulks, steel work. Contract awarded to Jas. Weikert, York street, Gettysburg, Pa.

**Shop and Apartment** (alts.), Gettysburg, Pa., \$25,000. Architect, Robert A. Stair, York, Pa. Owner, W. L. Hafer, Gettysburg Times, Gettysburg, Pa. Brick, concrete and terra cotta, 3 stories, slag roof, tile work, metal sash, fire escape, steam heating, electric lighting, stone foundations, 60x40 feet. Contract awarded to James Weikert, York street, Gettysburg, Pa.

**Public Garage**, Sixth and Elm streets, Reading, Pa., \$10,000. Architect, C. J. Young, 246 Jameson street, Reading, Pa. Owners, G. & C. Eisenbrown, 300 North Sixth street, Reading, Pa. Brick, 2 stories, 40x136 feet, slag roof, concrete floors, electric lighting, steam heating. Owner will build.

**Garage** (alts.), Rydal, Pa.. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owner, Eugene Fry, Commercial Trust Building, Philadelphia. Stone and timber, general alterations. Contract awarded to E. D. Leber, Abington, Pa.

## NEW JERSEY

# Construction News

**Piano Salesroom**, Broadway, Camden, N. J., \$12,000. Architect, private plans. Owners, Riggins-Piano Co., 400 Haddon avenue, Camden, N. J. Brick and steel, marble trim, 3 stories, 26x85 feet, slag roof, hardwood floors, stone foundations, steam heating, electric lighting, marble work, metal ceilings, plate

glass. Plans in progress. Mockett Const. Co. will take sub-bids.

**Theatre and Storage**, Audubon, N. J. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owner's name withheld. Brick, 2 stories, 50x130 feet, slag roof, concrete foundations, electric lighting, pine floors, fire

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## MARYLAND

### Construction News

**Residence**, Lenape and West State street, Trenton, N. J., \$10,000. Architect, R. A. Schuman, 932 Lambertson street, Trenton, N. J. Owner, S. Chapen, Trenton, N. J. Brick and stucco, 2½ stories, 30x50 feet, tile roof, steam heating, electric lighting, hardwood floors. Plans in progress.

**Bungalow**, Nottingham and Camp streets, Trenton, N. J. Architect, R. A. Schumann, 932 Lambertson street, Trenton, N. J. Owner, Frank Stein, Trenton, N. J. Brick, 1½ stories, 28x22 feet, concrete foundations, slate roof, pipeless heater, pine floors, electric lighting. Plans about completed.

**Store and Dwelling**, 339 Reservoir street, Trenton, N. J. Owner, R. A. Schuman, 932 Lambertson street, Trenton, N. J. Owner, H. Michaels, 339 Reservoir street, Trenton, N. J. Brick, 2 stories, 75x18 feet, slag roof, electric lighting. Plans in progress. Architect will take bids.

**Cottage**, Bordentown, N. J. Architect, F. H. Bent, Capitol Building, Trenton, N. J. Owner, State Board of Education, Bordentown, N. J. Frame and stucco, 2½ stories, 30x21 feet, shingle roof, hot water heating, electric lighting, wood floors. Owners taking bids due February 21st.

**Pork Packing Plant**, 61 Bellevue street, Trenton, N. J. Architect, R. A. Schumann, 932 Lambertson street, Trenton, N. J. Owner, Israel Wagner, 65 Bellevue street, Trenton, N. J. Brick. Plans in progress. Too early for details.

**Office Building**, Flemington, N. J. Architect, J. O. Hunt, 114 Montgomery street, Trenton, N. J. Owner, Dual Rubber Co., care of E. Wilson, Flemington, N. J. Brick, 1 story, 30x66 feet, slag roof. Owner will sublet.

**Store and Warehouse (add.)**, York and Anderson streets, Trenton, N. J. Architect, R. A. Schumann, 932 Lambertson street, Trenton, N. J. Owner, Max Introligater, 700 Anderson street, Trenton, N. J. Brick, 2 stories, 28x100 feet, slag roof, cement floor, electric lighting. Plans in progress.

**Church**, Stockton, N. J. Architect, William Slack, St. Regis Theatre Building, Trenton, N. J. Owner, Roman Catholic Church, Stockton, N. J. Stone, 1 story and basement, 60x40 feet, slate roof, stone foundations, steam heating, electric lighting, wood floors. Plans in progress.

The "Builders' Guide" is in its thirty-third year of continuous publication.

**Attendants' Quarters, Kitchen and Mess Hall (alts. and add.)**, U. S. Marine Hospital, Baltimore, Md. Architect, Jas. A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, care of Supervising Architect or custodian of site. Brick and concrete, composition roof, mill work, plastering, hardware, electric lighting, painting, plumbing and heating materials. Owners are ready for bids, due March 3rd. Plans and specifications may be obtained from J. A. Wetmore, Treasury Department, Washington, D. C., or custodian of site.

**Factory (add.)**, 704 Durham street, Baltimore, Md. Architect, Callis & Callis, 2055 Kennedy avenue, Baltimore, Md. Owner, E. H. Joselyn, on premises. Reinforced concrete, brick and steel, 4 stories, 25x125 feet, slag roof, steam heating, electric lighting, electric elevators, fire escapes, mill work, ventilators, fireproofing, painting, plastering, painting, steel and iron work. Owner is taking bids.

**Ship Repairing Plant**, Arundel Shore, Md. \$5,000,000. Engineers, Norton, Bird & Whitman, Munsey Building, Baltimore. Owners, Barlett Hayward Co. and F. A. Furst, Fidelity Building, Baltimore, Md. Piers, docks and various buildings, area of plant 100 acres. Plans in progress. Too early for details.

**Store Building**, Charles and Clay streets, Baltimore, Md. \$50,000. Architect, Theo. Wells Pietsch, American Building, Baltimore, Md. Owners, Safe Deposit & Trust Co., care of J. J. Nelligan, President, 13 South street, Baltimore, Md. General alterations and addition. Preliminary plans in progress.

**Store (alts.)**, Eastern avenue and Broad-

way, Baltimore, Md. Architect, George R. Callis, Jr., Melvin avenue, Catonsville, Md. Owner, Baltimore Five and Ten-Cent Store, on premises. New front, brick and marble, plate glass, steam heating, electric lighting, steel and iron work, metal ceilings, plumbing, skylights, ventilators, tile, slate and terrazzo work, wood floors. Plans in progress.

**Dwelling and Garage**, near Towson, Md. \$25,000. Architect, Thos. Bond Owings, 347 North Charles street, Baltimore, Md. Owner, Julian White Ridgeley, Mutual Building Ins. Co., Union Trust Building, Baltimore. Brick and stone, size of lot 50x195 feet, slate roof, electric lighting, oak floors, tile work. Revised plans in progress.

**Residence**, Guilford, Md. \$30,000. Architect, E. L. Palmer, Jr., 513 North Charles street, Baltimore. Owner, Clinton Summers, 101 Roland avenue, Baltimore, Md. Stone or brick, 2½ stories, 46x31 feet. Preliminary sketches being drawn.

**Bakery (add.)**, 318-24 North Gay street, Baltimore, Md. Architect, John Freund, 16 East Biddle street, Baltimore, Md. Owners, Rice Brothers, care of City Baking Co., 310 North Gay street, Baltimore. Reinforced concrete, brick and marble trim, 4 stories, 58x110 feet, slag roof, steam heating, electric lighting, electric elevators, fire escapes, steel sash, metal doors, hollow metal skylights, ventilators, fireproofing, dampproofing, terracotta, hollow tile, plastering, painting, plumbing, tile, slate and terrazzo work, composition floors, dumb waiters. Plans completed. Architect is ready for bids.

## MARYLAND

### Contracts Awarded

**Residence (alts.)**, Valley Road, Baltimore County, Md. Architects, Archer & Allen, Central Savings Bank Building, Baltimore. Owner, Mrs. T. O'Donnell Hillen, Stafford

Hotel, Baltimore. Stone, slate roof, hardwood floors, hot water heating, electric lighting. Contract awarded to Hicks, Tase & Norris, 106 West Madison street, Baltimore.

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**Dwellings (35)**, Reistertown Road, Ulman avenue, Hilldale street, Milton avenue and Lanvale street, near Milton, Md. \$75,000. Architect, private plans. Owners, Acme Building Co., 511 Equitable Building, Baltimore. Brick, 2 and 3 stories, tin and slag roof, hot water and hot air heating, electric lighting, plastering, painting, plumbing. Owners are taking sub-bids.

**Dwellings (7)**, Guilford avenue, Baltimore, Md. Architect, private plans. Owner, Edward J. Storek, 623 Munsey Building, Baltimore, Md. Brick, 2 stories, 22x34 feet, slag roof, hot water heating, electric lighting. Owner is taking sub-bids.

**Factory**, 704 North Durham street, Baltimore, Md. \$10,000. Architects, Callis & Callis, 2055 Kennedy avenue, Baltimore, Md. Owner, E. H. Josselyn, on premises. Brick and stone, 1 story, 25x125 feet, slag roof, steam heating, electric lighting. Owner will build.

## Delaware

### Construction News

**Garage**, Seventh and Broome streets, Wilmington, Del. \$5,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, J. I. Ford, on premises. Brick and concrete, 1 story, 25x30 feet, concrete foundations, concrete roof, hot water heating, electric lighting, concrete floors. Architect ready for bids.

**Residences (3 double)**, Twenty-second and Harrison streets, Wilmington, \$10,000. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, Wm. H. Bramble, 6 West Ninth street, Wilmington, Del. Brick, 2½ stories, 42x35 feet, electric lighting. Plans in progress.

#### INVITATION FOR PROPOSALS.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., February 8, 1919.—Sealed Proposals will be opened in this office at 3 P. M., March 3, 1919, for furnishing and delivering at the site the materials required for the construction of Hospital Unit A-special, Hospital Unit B-1, Attendants' Quarters and additions to and changes in the Kitchen and Mess Hall, for the United States Hospital at Baltimore, Md., including materials for concrete, brickwork, felt and composition roofing, sheet metal work, plastering, wall-board, lumber, millwork, painting, hardware, etc. Bills of quantities and specifications may be obtained at this office, in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., February 17, 1919. Sealed Proposals will be opened in this office at 3 P. M., March 25, 1919, for remodeling of the United States Post Office, Court House and Custom House at Providence, R. I. Drawings and specifications may be obtained from the Custodian or at this office, in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

### Philadelphia

Boiler and Engine House, southeast corner of Frankford and Worrell streets, \$1,000. J. Kyle Dudley (O), 1305 Orthodox street. Geo. J. Stetz (C), 1922 East Hozzard street. Brick, 1 story, 16x28 feet.

Garage, 1200 Butter street, \$1,000. J. Y. Leonx (C), 3721 York Road. Wm. Mark (O), on premises. Brick, 1 story, 19x19 feet 5 inches.

Rooming House, change to Dwelling, \$2,000. George W. Kane, O and C), 1107 Cottman street.

Garage, Waid Pierce street, south of Orthodox street, \$1,000. M. Niemiec (O and C), 4540 Stiles street. Brick, 1 story, 48x24 feet.

Bakery and Store, east side of Bermuda street, south of Orthodox street, \$7,000. M. Niemiec (O and C), 4540 Stiles street. Brick, 2 stories, 71x17 feet, 1 story, 55x83 feet, steam heating.

Dwellings (2), east side Bermuda street, south of Orthodox. \$3,500 each. M. Niemiec (O and C), 4540 Stiles street. Brick, 3 stories, 16 feet 4 inches x28 feet, hot water heat.

Stable, west side Pierce street, south of Orthodox street. \$2,000. M. Niemiec (O and C), 4540 Stiles street. Brick, 3 stories, 25x48 feet.

Car Repair Shop, 245 North Thirtieth street, \$3,000. Atlantic Refining Co., 3144 Passyunk avenue. Metzger & Fisher (C), 1108 Otis Building.

Garage, Store and Office, 1736-48 North Broad street, \$150,000. Clark & Craighead (O and C), on premises. Brick, 2 stories, 103x194 feet.

Dwelling and Garage, east side Lawnton, north Ninth street, \$4,000. Charles W. Shremire (O), Sixty-ninth avenue and Lawnton street. H. J. Werner (C), 3245 Germantown avenue. Stone, 2 stories, 24 feet 8 inches x34 feet 8 inches, slate roof.

Garage, 6320 Drexel Road, \$1,000. W. T. Harris (O), N arberth. Brick, 1 story, 22x22 feet.

Post Office, Second and Ionic streets, \$27,000. J. W. Hallowell (O), 113 South Broad street. Doyle & Co. (C), 1519 Sansom street. Brick, 1 story, 73 feet 9 inches x75 feet.

Cooling Tower, Germantown avenue and Sedgley avenue, \$6,000. Air Reduction Co. (O), 120 Broadway, N. Y. The Cooling Tower Co. (C), 15 John street, N. Y.

Bank, 517 Chestnut street, \$7,500. Penn Co. (O), 517 Chestnut street. John Duman (C), 920 Walnut street. New lavatory.

Garage, 922 North Sixty-fourth street, \$1,000. Moss & Taylor (O and C), Fifty-eighth and Girard. Stone, 1 story, 14x21 feet.

Garage, Wakeling street, east Melrose street, \$1,000. Thamsan & Hattie (O), on premises. E. Binder (C), 6014 Torresdale avenue.

## PERMITS FOR

### Alterations and Additions

O is the abbreviation for owner. C is for contractor.

### Philadelphia

Store (interior alterations), Northwest Corner Seventh and Market streets, \$5,000. (O) Lit Brothers, Eighth and Market streets. (C) H. E. Baton, 1713 Sansom street.

Store and Dwelling, 5117 Market street, \$350. (O) Simon Cohen, on premises. Brick, 1 story, 12x15 feet, slag roof. (C) A. P. Lueker, 5136 Parkside avenue.

Dwelling, 1236 North Eighteenth street, \$400. (O) J. C. Cooney, on premises. Alterations, new brownstone front, 4-inch facing. (O) Joseph P. Simms, Thirtieth and Thompson streets.

Dwelling and Store and Dwelling, Northeast Corner Sixth and Snyder avenue, \$1,000. (O) Louis Fritz, on premises. Alterations. (C) Louis Solgovitz, 528 Mercy street.

Store and Dwelling, Paul street and Unity

street, \$525. (O) J. Jardini, 4356 Unity street. Brick, 1 story, 16x6 feet, addition. (C) Nichol Olivievi, 1578 Adams street.

Store, 912 Arch street, \$2,000. (O) Phoenix Building Association, 623 Vine street. Fire repairs. (C) Wm. F. Koelle Co., Twenty-sixth and Oxford streets.

Heating Apparatus, 1907 Spruce street, \$460. (O) Samuel P. Kerr, on premises. (C) Makin Heating Co., 1827 Filbert street.

Store and Dwelling, Southeast Corner Sixth and Montgomery avenue, \$1,000. (O) Grossman & Weisman, 1008 North Second street. Alterations. (C) J. Dondi, 855 North Fifth street.

Store and Dwelling, 442 South Sixtieth street, \$300. (O) Henry Gelb, on premises. Veranda, frame, 13x6 feet.

**We have pebbles all sizes. Cost less than what you are using. DAVID  
FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.**



Bakery, Southwest Corner Twenty-second and Huntingdon streets, \$500. (O) George Kemmerer, on premises. Alterations, excavation under pavement for storage. (O) J. G. Miller, 2315 West Clearfield street.

Dwelling, 7214 Woodland avenue, \$775. (O) Leon Silberman, on premises. Brick, 1 story, 14x14 feet. (O) John Scholtz, 8800 Eastwick avenue.

Lodge Rooms, 2823-25-27 Dauphin street, \$1,000. (O) Camp No. 478, P. O. S. of A., 2829 Dauphin street. Fire repairs. (C) Charles L. Gunn, 2546 North Twenty-ninth street.

Store, 720 Chestnut street, \$700. (O) Dr. George Fales Baker, Lafayette Building. Flush bulk. (C) F. T. Mercer Co., 1706 Delancey street.

Store and Dwelling, 1542 North Fifteenth street, \$1,000. (O) Francis S. Hughes, on premises. Interior alterations. (C) H. H. Walls, 1542 North Fifteenth street.

Shop, 1710 West Venango street, \$650. (O) J. B. Troescher, 3807 North Nineteenth street. Brick, 1 story, 40x17 feet and 34x3 feet addition. (C) John Mortimer, 3377 Emerald street.

Supply House, Cedar street and Allegheny avenue, \$335. (O) Port Richmond Funeral Supply Co., on premises. Alterations to elevator shaft.

Store, 644 South street, \$560. (O) Hyman Mackowitch, 710 South street. Alterations. (C) Sol Shestack, 528 Reed street.

Shop, 1634 Seybert street, \$1,500. (O) A. R. Raff Co., 1635 Thompson street. Brick, 2 stories, 15½x35 feet addition.

Store and Apartments, 897 Belmont avenue, \$460. (O) M. S. Skiles, on premises. Fire repairs. (C) J. Buter, 404 North Fifty-second street.

Storage Building, 245 North Thirtieth street, \$3,000. (O) Atlantic Refining Co., 3144 Passyunk ave. Alterations. (C) Metzger & Fisher, Otis Building.

Tenement House, 1603 North Fifteenth street, \$700. (O) Mrs. J. F. Kelley, on premises. Interior alterations. (C) H. G. Evans, 1417 North Warnock street.

Office, 926 North Third street, \$4,000. (O) Geo. Sachsenmeier Co., 143-45 North Third street. Brick, 1 story, 18x36 feet, slag roof, concrete floors, addition.

Store, 3300-02 Woodland avenue, \$850. (O) Paul E. Huttinger, on premises. Alterations. (C) A. Shestack 528 Reed street.

Milk Dairy, 859 North Forty-eighth street, \$300. (O) Scott Powell Dairies, on premises. Addition, 16x32 feet.

Store, 1204 Race street, \$800. (O) Benj. Alexander 1920 North Thirteenth street. Alterations. (C) Frank Lucci, 1603 Ellsworth street.

Shop, Tenth and Erie avenue, \$1,500. (O) H. W. Banarlough, 3649 North Tenth street. Addition, mansard, 1 story, 16x32 feet.

Tenement, 4130 Parkside avenue, \$3,000. (O) J. P. Stoughton and Geo. B. Clopp, 928 Stephen Girard Building. Interior and exterior alterations. (C) J. P. Stoughton, Stephen Girard Building.

Store and Tenement, Northwest Corner Seventeenth and Norris streets, \$3,000. (O) A. L. Schaeffer, 1603 Norris street. New bulks, stairs, partitions and skylights.

Refrigerator and Ice Plant, 2127 West Clearfield street, \$7,700. (O) Jacob Hornung, 2125 West Clearfield street. Brick, 1 story, 30x63 feet, addition and alterations. (C) Philip Haibach Cont. Co., 1261 North Twenty-sixth street.

Garage, 200 Green Lane, \$2,500. (O) Isaiah T. Ryan, 160 Green Lane. Stone, 1 story

addition, 38x33 feet. (C) E. L. Cuthbertson, 334 Roxborough avenue.

Garage, 1911 Atlantic street, \$500. (O) Jas. McCurdy, on premises. Alterations. (C) F. E. Wallace, 1220 Chancellor street.

Store and Dwelling, 3017 Frankford avenue, \$1,400. (O) John Greenwood, 3021 Frankford avenue. Flush bulk alterations. (C) A. Shestack, 528 Reed street.

Office, Southwest Corner Broad and South Penn Square, \$2,500. (O) West End Trust Co., on premises. Alterations, steel and terra cotta partitions. (C) LeRoy K. Smith, Fortv-first and Chester avenue.

Factory, Cresson street, east of Ridge avenue, \$300. (O) John Wilde & Brother, on premises. Addition, iron, 1 story, 6x8 feet.

Store and Dwelling, 1149 South Ninth street, \$800. (O) Guiseppe Sanpano, 1139 South Ninth street. Brick, 1 story, 10x12 feet, flush bulk, alterations. (C) Tony Cipriano, 937 Federal street.

### AS THE EDITOR SEES IT.

(Continued from Page 92)

for the report that the Railroad Administration has given or is giving any consideration to any increase in present basis of rates."

The Department of Labor points out that building, being a basic industry, will stimulate general business and is, therefore, very vital to continued financial prosperity. The national economic loss resulting from the idleness of thousands of men cannot be permitted and its injurious effects escaped. Present building costs are not so high that they equal in the aggregate the wealth the country loses through the idleness following in the wake of building stagnation. Homes are needed, business quarters are needed, public works are needed! The United States is the wealthiest country in the world! The most reliable authorities in the country assert that unprecedented prosperity is ahead! Why longer delay the revival of building?

**W**HILE in Washington, Congress is investigating Bolshevism and the United States Department of Labor is issuing bulletins on strikes and labor surplus, Indiana is preparing to fight both radicalism and unemployment through a home-building and home-owning campaign.

H. V. Haymaker, who, as a representative of the United States League of Building and Loan Associations, is co-operating with the Information and Education Service of the Department of Labor in investigating and stimulating building and construction work, brought to Washington the first word of the Hoosier strategy. On his return from Indianapolis, Mr. Haymaker said:

"I shall not be surprised if Indiana makes a remarkable showing this year in

a campaign against radicalism and unemployment through home-building and home-owning. In his address before the annual convention of the Indiana League of Savings and Loan Associations in Indianapolis, President W. B. Reed insisted that the cure for both these menaces was homes and more homes. Reed's appeal for a State-wide campaign for home owning met an enthusiastic response, and out of it will come, I believe, a State-wide home-building drive that will have the encouragement of the State and municipal officials. The effect of such a campaign is bound to be profoundly beneficial for the home-owning man in every community takes the responsibilities of citizenship seriously and is not prone to quickly take up untried social and political theories and experiments."

While the figures are by no means complete, data obtained by the Division of Public Works and Construction Development of the Information and Education Service clearly indicate a revival of home building in Illinois, Indiana, Iowa and Ohio. Activities in this field not yet are normal, but from week to week an increase is shown, indicating a growing confidence on the part of private building interests.

All authorities in the building industries agree there is a pressing demand for residential buildings. The Department of Labor reports show a steadily increasing labor surplus. With the Department's figures may be considered Frank Morrison's statement. As secretary of the American Federation of Labor, Mr. Morrison's estimate is significant. He says there are 500,000 men now out of employment in the United States. There is money, and America has come to be the wealthiest nation by far in the world.

With these elements favorable to building and construction work, the results of the investigation of the Division of Public Works and Construction Development as to why building is not being resumed more rapidly is interesting. High prices for material and the reluctance of banks to make loans appear to be the two large flies in the ointment.

A concise statement of the situation as it appears to him is made for the Information and Education Service by Mr. William M. Garland, of Los Angeles, who now is in Washington. Mr. Garland is President of the National Association of Real Estate Boards, and, since March, 1918, has been in Washington co-ordinating the work of his association with the efforts of various government departments. Mr. Garland says:

"I am especially pleased that the Secretary of Labor is taking an active inter-



est in stimulating co-operative endeavor on the part of laboring men, industrial associations and industrial professions to bring about a much-needed resumption of building activities.

"Many members of the National Association of Real Estate Boards specialize in building and selling houses, and, by reason of an acute housing situation in many cities, were actively engaged in building operations until about a year ago, when the Secretary of the Treasury made a statement that all building not necessary to war activities should cease.

"Since the armistice was signed the housing demand has increased. There is a desire on the part of real estate men to resume operations, but they find everywhere a lack of funds for building purposes.

"In my opinion the resumption of building is one of the most important things to be encouraged during the readjustment from a war to a peace basis. It will be the means of employing thousands of skilled artisans, take care of the demand for homes, and develop a spirit of real Americanism throughout the United States.

"In addition to home building there are many industries which can now meet their requirements only by increasing their buildings. A large amount of municipal and Government building is needed and has long been delayed.

"I also heartily favor a Federal system of highways, extending from Coast to Coast and from Canada to the Gulf of Mexico. These should be under Federal control to insure proper maintenance and speedily should be gotten under way.

"Realtors, meaning members of the National Association of Real Estate Boards, are anxious to do their share toward a revival in building, believing that conditions are favorable and that delays are fraught with serious possibilities.

"If the Government will initiate this movement, by starting the numerous buildings throughout the country which were stopped by reason of the war, it will have a marked influence upon municipal and private building, with realtors, contractors, building supply houses and hundreds of thousands of artisans immediately becoming active by reason of the resumption of building, it will be possible for all these citizens to subscribe liberally to the Victory Liberty Loan, which is announced for the latter part of April.

"'Own Your Own Home' is a popular sentiment; it is distinctly an American propaganda. I believe that the encouragement of home owning and general

building now will give an impulse to a general business revival everywhere. The one result can be no other than to establish happiness and contentment, and these, after all, are the foundation stones of the Nation and the inspiration of loyalty to the Flag."

### CONCRETE FOR INDUSTRIAL HOUSING

"Concrete houses fit in admirably with any landscape scheme," says the Portland Cement Association in a bulletin on "Concrete for Industrial Housing." Continuing, the bulletin says: "Good exterior appearance depends only upon architectural design and workmanship. Fireproof concrete houses help to reduce the cost of living. Insurance costs are lowered. Where industrial communities are developed with concrete improvements throughout, the neighborhood assumes a truly permanent aspect. Concrete streets and alleys insure easy access for fire departments. Concrete paving, front and back, makes utmost cleanliness of surroundings possible.

"Cost of keeping concrete-improved communities clean is considerably lower than that required for the unpaved, poorly-built district. Peace of mind is a valuable return secured from permanent, fireproof concrete improvements. It cannot be reduced to dollars and cents, but most certainly increases the earning capacity of individuals.

"There is not an instance where industrial housing has been worked out with particular reference to the comforts of those most interested—the workers—that their self-respect and general efficiency have not greatly improved. Today the inducement of high wages without attractive home surroundings will not foster contentment in the workingman with his position. No matter how dirty his work may be, he wants to keep himself and his home surroundings clean. He has learned to appreciate and value attractive, comfortable, modern, sanitary quarters. He, as well as his employers, realize that these are conducive not only to his personal efficiency, but to his health and general welfare. The concrete house makes these ends attainable.

"For the untrained, ignorant foreign laborer who has not learned the value of these things, the concrete house is still the solution. He is exceptionally difficult to provide for because by habit due to lack of proper environment he is likely to be uncleanly and destructive in the use of whatever home he may occupy. He can-

not afford to pay much rent, so the housing provided for him must consider a type of construction which is of low upkeep. He must be housed in a home that will provide for his general welfare as regards sanitary appointments and comfort, and also in one that will withstand the general abuse to which in his ignorance he may subject it.

"Several distinct types or systems of construction have been developed for building concrete houses. Briefly these are as follows:

"1. Walls, partitions, floors and roofs of monolithic concrete construction, reinforced where and as necessary. Such houses are built by depositing the concrete mixture into previously erected forms of wood or metal.

"2. So-called unit systems, which mean that slabs constituting walls and partitions, also columns and beams, are manufactured or precast at a place or in a plant arranged for the purpose, and after the units have been properly hardened they are brought to the building site and set in place in a very short time and at small expense. Walls, partitions, floors and roofs may be solid or hollow.

"3. Walls of concrete block or similar units, with partitions, floors and roof as in the preceding system. Walls, partitions, floors and roofs may be solid or hollow.

"4. A metal frame, resembling that used in a house built of wood, to which metal lath or fabric is fastened and the exterior covered with portland cement stucco. Metal lath is also attached to this frame on the interior, which is plastered with ordinary plaster. Partitions may be of metal frame and lath, like the exterior walls, or of hollow cement tile or other fireproof partition material. Floors and roofs may be solid slabs of reinforced concrete or may have metal joists, covered by thin reinforced concrete slabs. Metal lath is attached underneath the joists, then plastered.

"Hollow walls in concrete houses, regardless of how they may be secured, are quite desirable, since the air space so produced protects the interior of the house against sudden or extreme changes in outside temperature—contribute to keeping the house cool in summer and make it easier to heat in winter."—*"The Architect and Engineer."*

Advertising is nothing more nor less than good salesmanship reduced to print. The business man who can put "sales talk" into type has learned the cardinal principle of good advertising.



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
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## Blue Print Paper.

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F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Face, Etc.).

O. W. Ketcham.....Builders' Exchange, Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
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Tasker st. wharf, Delaware River, Phila.  
French, Samuel H., & Co.,  
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Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.  
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Woodoleum Manufacturing Co.,  
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## Dampproofing.

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## Drawing Materials.

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## Electrical Construction.

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Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.  
General Fireproofing Co.....832 Arch st., Phila.  
Henry S. Harris.....Land Title Bldg., Phila.  
Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truscon Steel Co.....Commonwealth Bldg., Phila.

## Floor Plates.

Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.  
Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Insurance.

Harris J. Latta.....Penna. Bldg., Phila.  
Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Levels.

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## Light Iron Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lumber.

James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.  
Italian Marble Mosaic Co...433 Spruce st., Phila.  
Roman Mosaic and Tile Co..435 Green st., Phila.

## Metal Lath.

Consolidated Expanded Metal Co.,  
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General Fireproofing Co.....832 Arch st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
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## Meters.

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Real Estate Trust Bldg., Phila.

## Mill Supplies.

The Fairbanks Co.....7th and Arch sts., Phila.

## Paints and Varnishes.

The Barrett Company,  
New York and Philadelphia.  
Felton, Sibley & Co.....136 N. 4th st., Phila.  
French, Samuel H., & Co.,  
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Richardson and Boynton Co.1332 Arch st., Phila.

## Refrigerators.

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Henry M. Miller.....46-48-50 N. 2d st., Phila.

## Reinforcing Bars.

Truscon Steel Co.....Commonwealth Bldg., Phila.

## Roofing.

The Barrett Co.....New York City and Phila.

## Roofing Tile.

O. W. Ketcham.....Builders' Exchange, Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Roofing Tin.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Roofing Slate.

William Moore Co.....1506 Sansom st., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

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Harrison, Mertz & Emlen, Inc.,  
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## Slate.

William Moore Co.....1506 Sansom st., Phila.

## Soundings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Structural Slate.

William Moore Co.....1506 Sansom st., Phila.

## Surety Bonds.

Harris J. Latta.....Penna. Bldg., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

## Test Borings.

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Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Tile and Terrazzo Work.

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French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.  
Italian Marble Mosaic Co...433 Spruce st., Phila.  
Roman Mosaic and Tile Co..435 Green st., Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Tiling.

William Moore Co.....1506 Sansom st., Phila.

## Transits.

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F. Weber & Co.....1125 Chestnut st., Phila.

## Ventilators.

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2035 Washington ave., Phila.

## Wall Board.

## Ceil Board.

James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Water Paint.

Wm. B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Waterproofing.

The Barrett Co.....New York City and Phila.

## Water Supply.

Harrison, Mertz & Emlen, Inc.,  
Commercial Trust Bldg., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Weather Strip (Metal).

American Metal Weather Strip,  
2118 Diamond st., Phila.

## Wire Work.

Audubon Wire Cloth Co., Inc....Audubon, N. J.



1792

1918

# Insurance Company of NORTH AMERICA

PHILADELPHIA



## 126th Annual Statement

December 31, 1917

|                      |   |   |                 |
|----------------------|---|---|-----------------|
| Cash Capital         | - | - | \$ 4,000,000.00 |
| Reserve for Premiums | - | - | 10,630,740.40   |
| Reserve for Losses   | - | - | 4,419,000.00    |
| Reserve for Taxes    | - | - | 950,000.00      |
| Reserve for Sundries | - | - | 160,000.00      |
| Surplus              | - | - | 8,317,502.26    |

**TOTAL**

\$28,477,242.66

|                                |   |   |                  |
|--------------------------------|---|---|------------------|
| Surplus to Policyholders       | - | - | \$ 12,317,502.26 |
| Losses Paid Since Organization | - | - | 192,518,273.33   |

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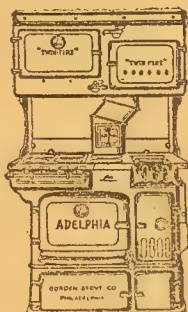
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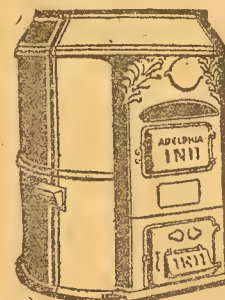
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# Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 9  
February 26, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

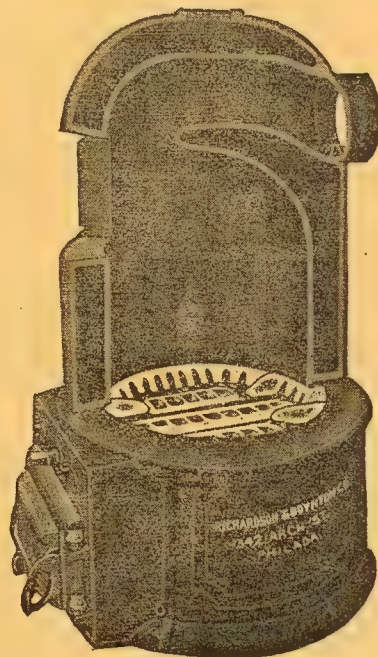
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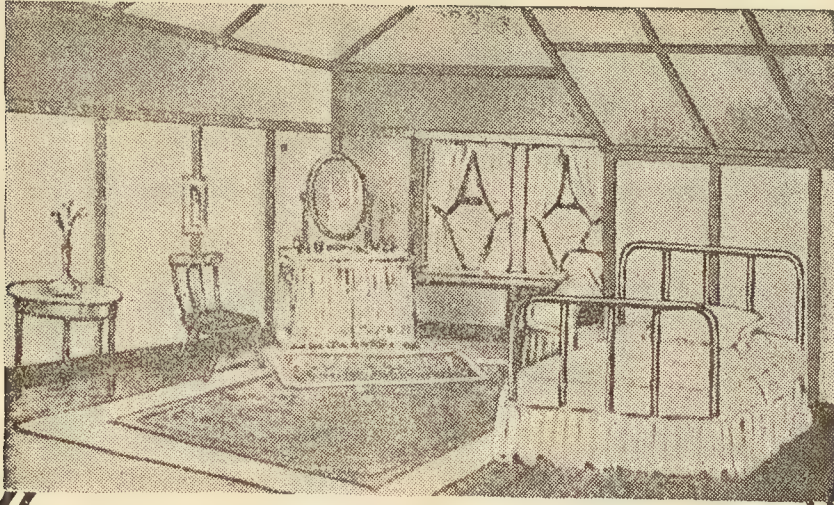


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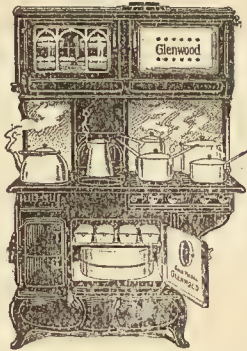
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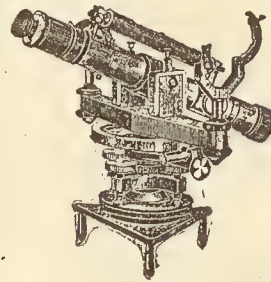
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 9

PHILADELPHIA  
February 26, 1919

## BUILDERS' GUIDE

OFFICES, PERRY BUILDING (Suite 824-825-826)  
Sixteenth and Chestnut Sts., Philadelphia, Pa.

PUBLISHED WEEKLY  
BY

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## As The Editor Sees It



CONSTRUCTION work of all kinds, as a means of setting the wheels of normal industry again in motion, and as a solution of the non-employment problem which confronts us with the cessation of war industries, is more strongly urged upon us day by day. Progress in this direction is slowly but surely being made, and we feel sure that after these first few months of transition from war to peace are gone through, building in all its forms will be revived.

Hesitancy in building on the part of many is due to the uncertainty of labor and material prices during the next few years. At present the Department of Labor is seeking authoritative information as to what can be expected on material prices for the next five years. The report is not yet complete, but all indications point to a high level of prices for materials and labors for several years come. "To build now," says "Realty," "in the face of the current high prices of all materials which enter into the construction of a building and the high wage rate of the labor required to put them together or to delay building until a time when normal conditions shall have brought these prices down again is one of the great questions that confronts the thoughtful industrial manufacturer at this time.

"That there is a great and rapidly growing need for new and modern factory buildings no one will question. It is true that great numbers of buildings were put up during 1915 and 1916, but

these were practically all of a very specialized nature, built mostly for the purpose of filling rush orders for munitions, etc., from the Allies. During 1916 and 1917, however, the total number of new industrial buildings constructed was way below the normal, even after considering the great amount of money which was spent directly by the government and that which was used to build buildings for the purpose of filling government orders.

"During both of these latter two years there were great numbers of necessary industrial buildings and other structures projected, but, on account of the shortage of funds due to government financing and other equally good cause, actual construction was postponed, and then, in 1918, the stringent restrictions placed on private construction by the War Industries Board caused a further reduction in the amount of actual building, other than direct government work, that was done.

"In addition to the great amount of actual building construction that is about to be launched there is a great amount of other construction that must be undertaken without delay. This includes a tremendous mileage of trunk and local highway construction, bridges for highways and railways and all kinds of railway construction. These other kinds of construction, however, call for many of the same kinds of labor that is employed in building construction, as well as many of the same kinds of materials.

"It is therefore apparent that the pros-

pect, desirable as it might be, for cheaper prices on building materials and labor, is not very bright.

"A study of the past history of the building industry gives but a slight hope of any great reduction in building costs. While the hourly wage rate of unskilled labor has fluctuated considerably during past years the upward variations have always exceeded the downward variations, and the hourly wage rate of the principal classes of skilled building workers has shown a practically continuous upward trend coupled with the continued lessening of the number of hours worked per week. It is unlikely that any marked reversal of this tendency will take place in the near future. In fact, if the average of all building costs were plotted as a curve, it would show a series of waves, the crest of each new wave rising far above the previous one but the trough of the new one always but a little below the crest of the preceding one.

"Start building today."

From some quarters comes the complaint that money is very difficult to obtain and banks are willing to advance only small sums for new building work. A plan to offset this condition has been worked out by the Department of Labor and the building and loan associations of the United States. The plan is in the form of a bill drafted along the lines of the present land bank act of New York and will make negotiable the loan associations' assets of \$2,000,000,000.

Leaving out all other features of the

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**BLUE  
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question from the standpoint of making available almost \$2,000,000,000 for long-time loans on dwellings, the Department of Labor is convinced the Federal home bank project would be beneficial. The building and loan associations the country over are getting behind this agitation, and it is now certain that the next Congress will be asked to establish a system of Federal home loan banks, much like the Federal farm loan bank system, in which the building and loan associations may find a way to make liquid a large part of their first real estate mortgage assets.

\* \* \*

**T**HE co-operation apparent among organizations and the Government to set the building wheels in motion is most encouraging, and we must not be discouraged if the great necessary readjustment to conditions does not take place over night. Slowly and surely the cogs are being fitted together and

already the building outlook is showing signs of improvement. According to figures compiled by Bradstreets, there is revived activity in 132 cities in the United States.

In the cities covered by the survey 11,217 permits were issued in January, revealing a gain of 48 per cent. over January, 1918, and the value of the work permitted was \$20,721,629, a gain of 9.2 per cent. over December, 1918, and a decrease of only 9.2 per cent. since January, 1918, which month showed a decline of 53 per cent. compared with January, 1917.

In commenting on these facts Bradstreet's says: "That the corner has been turned in the building trade, and that, by the way, in a midwinter month, is indicated by the returns from 132 cities for January. The improvement, it is true, is slight, but that January should show any gain over December is a notable feature.

## THE LARGER ASPECT OF HOME COMMUNITIES

By PAUL R. FROST

Many creditable attempts are being made throughout the country to establish pleasant communities of homes. Land companies frequently undertake the development of large suburban tracts sometimes going to great length to follow the best precedent in scientific land division. Such efforts under judicious management are seldom regretted and usually bring their multiple returns. We have their results in sections of Brookline, Mass., carefully developed under private control, in sections of Lake Forest outside of Chicago, in such foremost experiments as Roland Park, Baltimore; Myers Park, Charlotte; Forest Hills Gardens on Long Island and in numerous residential communities, parks and suburbs well planned under private land companies in many of our rapid growing American cities.

The efforts in this direction point indeed to a wide-spread national impulse with definite relation to the recent business development. It is often said that business and residential development proceed in alternating cycles; first the establishment of sources of income, then expenditures on home and living conditions. Our immense material prosperity and unprecedented control over natural resources means inevitably higher standards for living conditions. It is well to ask just what constitutes homes and home communities of durable satisfaction and to question wherein these vig-

orous, well-intentioned efforts are achieving the best results.

I have outlined ten headings which would cover the essentials for an ideal development.

1. Adequate survey as the fundamental basis for plans.
2. Reservation of public lands, playgrounds, open spaces, parks.
3. Subdivisions into blocks of well dimensioned lots.
4. System of paved roads with sidewalks made up from one or more of the three road types, main, secondary or primary.
5. Car service approaching within two blocks of every lot.
6. Separate storm and sewer drains, water, gas, electric light and telephone prearranged and located underground.
7. Appropriate sights reserved for public buildings and for community centers.
8. Property carefully restricted.
9. Architecture controlled.
10. Detailed planning for all roads, parks, street intersections and private property.

It is obvious that all subdivisions do not observe all the foregoing conditions. We have those where a fundamental survey is not prepared, where roads are not nicely adjusted to the topography, where, like a misfit garment, they never seem quite in place. In this case drainage often presents problems and grading

on individual lots and roads is frequently unsatisfactory. All of these matters, together with the subdivision into well dimensioned lots have to be taken together and can be settled with greater eventual economy if considered at the outset on the basis of an adequate survey.

One of the most important matters is the way we make up our system of roads from the three types, main, secondary, or primary. In spite of the cost of paving, the developers of a residential community may be tempted with the wide street. If the tract is really extensive, covering several miles, it may be necessary to lay out a central artery carrying traffic to the neighboring town and so planned that it should bring a car line within easy distance of every house lot, possibly within two blocks. Whether the tract is extensive or not, in any ideal residential community most of the lots should be away from the main arteries of traffic, should be on quiet, secluded roads where there would be no occasion for the passing of any vehicles not for the use of the residents. Such roads it is possible to design very simply to have their paved areas but sixteen to twenty-four feet wide, to have their walks of the simplest nature running through or bordered with turf and to have them terminate as far as traffic goes in blind ends. In this direction we have not even begun to realize what we might in clustered groups of homes on narrow grassy lanes as remote from the forced mechanical environment of the main streets as though they were miles instead of a few blocks distant.

The advantage of separate storm and sewer drains of water, gas, electric light and telephone systems, all arranged in advance and placed under ground is apparent. Any investigation of the haphazard development the constant piecing and repairing of these systems as carried on hitherto almost universally in our cities and suburbs will show the opportunity for sweeping economies in working with a carefully prearranged plan.

These matters all largely relate to the convenience of the development and are already accepted as standard modern improvements, yet there are others without due regard for which a development might fail to have any durable success. What we should do is to plan our land and build our houses so that they will be good not only while some passing fashion approves but so well that generations hence they will still be in favor. This means that property should not be restricted in regard to the minimum cost of houses and their placing on the lot, but it means that architecture should be controlled. This I admit is one of the

(Continued on Page 112.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Residences (12)**, Sixty-fifth and Upland streets, Philadelphia. Architect, Reuben Beard, 1311 Commonwealth Building, Philadelphia. Owner, name withheld. Brick, 2 stories, 15x46 feet, slag and tin roof, maple floors, stone foundations, hot water heating, electric lighting, tile work. Plans in progress.

**Towers and Elevators (2)**, Thirty-fourth and Pine streets, Philadelphia. Architect, Philip H. Johnson, Presser Building, Philadelphia. Owners, Philadelphia General Hospital, care of Department of Health and Charities, 584, City Hall, Philadelphia. Brick, 3 stories, 8x9 feet, (2) elevators, hollow metal, sash and skylights. Owners taking bids. Hogg Const. Co., 1634 Sansom street; F. G. Stewart, 1619 Sansom street; Standard Const. Co., 1713 Sansom street; Pringle Borthwick, 8018 Germantown avenue; Wm. Linker Co., 831 Cherry street; W. W. Anstine & Co., 1218 Filbert street; Mitchell Bros., 2125 Race street; Monaghan & Losse, Inc., 3016 Chestnut street; Bowden Const. Co., Presser Bldg.; M. H. McCloskey, Jr., 1620 Thompson street; F. W. Van Loon, Denckla Building; Robbins Cont. Co., Lafayette Building.

**Bulkhead Shed (alts.)**, between Piers 38 and 40, South Wharves, Delaware River. Architect, private plans. Owners, City of Philadelphia, Department of Wharves, Decks and Ferries, care of George S. Webster, Director, Bourse Building, Philadelphia. General repairs to bulkhead shed between Piers 38 and 40 feet and inshore end and north side of Pier 40. Owners taking bids, due March 4th, 1919, at noon. Plans and specifications may be obtained at 552 Bourse Building, Philadelphia.

**Track Laying, Grading and Sub-Structure**, Spec. 3775, Philadelphia Navy Yard, \$200,000. Architect, private plans. Owners, United States Government, care of Department of Public Works, Navy Yard, Philadelphia. Steel and concrete, sub-structure for steel storage racks. Owners taking bids due March 3d, at 11 A. M. Hughes-Foulkrod Co., Commonwealth Building; Thos. Reilly, 1616 Thompson street; Wark & Co., 1737 Filbert street, and Geo. F. Pawling Co., 1432 South Penn Square, are figuring. Deposit of \$10.00 required.

**Garage and Apartments**, Sixty-fifth and Greenway avenue, Philadelphia. Architect, Reuben Beard, 1311 Commonwealth Building, Philadelphia. Owner, name withheld. Brick, semi-fireproof, 1 story, 80x200 feet, (2) apartments second floor, 28x60 feet, slag roof, stone foundations, steam heating, electric lighting, cement and yellow pine floors, hollow metal skylights, cement hardening. Plans in progress.

**Factory (add.)**, Twenty-third and Sedgley avenue, Philadelphia. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, Tasty Cake Baking Co., on premises. Brick, 2 stories, 30x70 feet and

25x30 feet, slag roof, cement floor, metal latr, hollow metal skylights, fire doors, roof ventilators (heating, electric lighting and plumbing reserved). Plans in progress.

**Dwellings (10)**, Green lane and Broad street, Philadelphia, \$33,000. Architect, private plans. Owner, John Janke, 6295 North Broad street, Philadelphia. Brick, 2 stories, (8) 16x28 feet, 13x43 feet, (2) 16x48 feet, slag roof, stone foundations, hot water heating, electric lighting, hardwood floors. Owner will build.

**Apartment House**, Philadelphia. Architect, private plans. Owner, name withheld. Brick, 3 stories, 24x90 feet, steam heating, electric lighting, slag roof. Ketcham & McQuade, 1029 Brown street, are taking sub-bids.

**Dwelling (alt.) and Stores (6)**, Southwest Corner Broad and Snyder avenue. Architect, Charles S. Parker, 5018 Schuyler street, Germantown. Owner, Miss A. Florence Yerger, Colonial Trust Building. Brick, 3 stories, 18x60 feet, stone foundations, metal latr, metal ceiling, electric lighting, hot water heating, tin roof, ornamental iron work, tile work, cement work, store fronts, plumbing, plastering, painting. Owner has received bids.

**Parish House**, Eighty-fifth and Gibson avenue, Philadelphia. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, St. Cyprian Parish, care of architects. Stone and brick, 1 story, 61x50 feet, stone foundations, slag roof, cement floors, ventilators, iron work, waterproofing. Architect has received bids.

**Residences (28)**, Marlyn Road and Malvery Road. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner's name withheld. Brick and stone, 2 stories, 16x42 feet; garages in 4 corner residence, slate, tile and slag roof, hot water heating, oak floors, combination lighting, tile and marble work. Plans in progress. Ready for bids in a week.

**Residences (23)**, Sixtieth and Columbia avenue, Philadelphia. Owner's name withheld. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Brick and stone, 2 stories; garages in basements, 16x48 feet, slate, tile and slag roof, oak and cement floors, hot water heating, combination lighting, tile and marble work. Ready for sub-bids in one week.

**Residences (17)**, Ninth and Loudon streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, H. C. Irvin, 1121 Walnut street, Philadelphia. Stone, brick and stucco, 2 stories, 16x40 feet, slag and composition shingle roof, oak and yellow pine floors, stone foundations, hot water heating, electric lighting. Plans in progress.

**Residences (97)**, Torresdale avenue, Magee, Van Dyke and Hellerman streets. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, James S. Larzelere, 245 West Wyoming avenue, Philadelphia. Brick, 2 stor-

ies (33), 16x36 feet, (64) 16x30 feet, shingle, tin and slag roof, stone foundations, hot air and hot water heating, electric lighting, yellow pine floors. Owner is ready for sub-bids.

**Service Building**, Broad and Mellon streets, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Samuel Gorson, 238 North Broad street, Philadelphia. Brick, 2 stories, slag roof, reinforced concrete floors, steam heating, electric lighting. Architect taking bids, due March 3rd. Smith-Hardican Co., 1606 Cherry street; F. B. Davis, 240 North Sixteenth street; F. A. Havens Co., 845 North Nineteenth street; B. Bornstein, 1512 North Franklin street; Wm. R. Dougherty, 1610 Sansom street, are figuring.

**Factory**, 1715 North Tenth street, Philadelphia. Architect, H. B. Weldon, 1606 Cherry street, Philadelphia. Owner, J. E. Sjostrom, Inc., 1715 North Tenth street, Philadelphia. Brick and steel, 3 stories, 68½x102 feet, slag roof, cement and pine floors, stone foundations, hollow tile, metal latr, rolled steel sash, fire and kalamein doors, metal window guards, ornamental iron work. Owners taking bids, due March 1st. Smith-Hardican Co., 1606 Cherry street; E. C. Durell, 1718 North Twenty-fourth street; Monaghan & Losse, Inc., 3016 Chestnut street; Wm. R. Dougherty, 1610 Sansom street; Ketcham & McQuade, 1029 Brown street; Thos. C. Trafford, 1613 Sansom street; Raith Const. Co., 304 Master street; Hogg Const. Co., 1634 Sansom street; E. E. Hollenback, Inc., 1804 Brandywine street, are figuring.

**Garage**, 512-31 North Orianna street, Philadelphia. Architect, Carl P. Berger, 1416 S. Penn Square, Philadelphia. Owners, Northern Liberties Co., care of architect. Brick, mill construction, 1 story, 78x106 feet, slag roof, cement floors, steam heating, electric lighting. Plans in progress. Ready for bids in two weeks.

**Bath House**, 977-79 North Seventh street, Philadelphia. Architect, Reuben Beard, 1311 Commonwealth Building, Philadelphia. Owner, Samuel Bershad, 975 North Seventh street, Philadelphia. Brick, concrete, terra cotta and tile, 2 stories and basement, 32x82 feet, slag roof, concrete and tile floors, metal walls and ceilings, fire tower, wire work, enameled brick (plumbing, heating and lighting reserved by owner). Architect has received bids.

**Residence**, Queen Lane Manor, Philadelphia, \$7,000. Architect, private plans. Owner, J. Morgan Lister, 5612 Germantown avenue. Stone and brick, 2½ stories, slate roof, parquet and yellow pine floors, tile work, electric lighting (plumbing and heating reserved by owner). Owner taking bids, due March 1st. Wm. J. Gruhler Co., 219 East High st., Germantown, are figuring.

**Storage Building**, southeast corner of Milnor and Bleigh streets, \$8,000. Architect, private plans. Owners, L. Martin Co., on prem-



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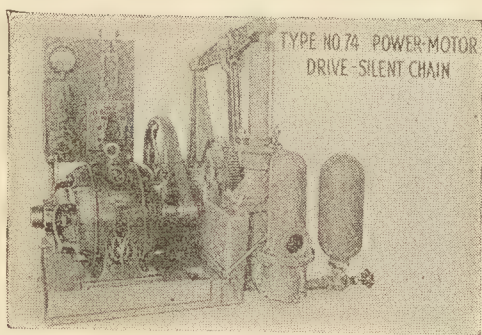
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ises. Brick, 1 story, 50x99 feet and 69 feet,  
slag roof. Owner will build.

**Hospital Building**, Seventh and Delancey  
streets, Philadelphia. Architect, C. A. Zeigler,  
Bailey Building, Philadelphia. Owners, Babies'  
Hospital of Philadelphia, care of Mr. David-  
son, 1713 Walnut street. Brick and stone,  
fireproof, 7 stories, 41x91 feet, slate and ce-  
ment roof, stone foundations, steam heating,  
electric lighting, tile and marble work, rolled  
steel sash, fireproof doors, cement and com-  
position floors, metal lath, elevators, metal  
window guards, waterproofing. Architect tak-  
ing bids. Wm. R. Dougherty, 1610 Sansom  
street; R. C. Ballinger Co., 218 N. Thirteenth  
street; F. L. Hoover & Son, 1023 Cherry street;  
H. H. Burrell, 208 South Quince street; Lam  
Building Co., 1001 Wood street; H. E. Baton,  
1713 Sansom street; John M. Yardley, 1716  
Sansom street; Milton W. Young, Overbrook,  
Pa., are figuring.

**Shipbuilding Slips, Nos. 2 and 3**, Spec. 3781,  
Navy Yard, Philadelphia. Architect, private  
plans. Owners, U. S. Government, care of C.  
W. Parks, Chief, Navy Department, Washing-  
ton, D. C. Reinforced concrete and steel 148x  
128 feet and 169x122 feet. Extension with  
lobbies, storeroom and driveway, trigger  
pit, foundations for extension in shore of  
Crane Runway for Slips Nos. 2 and 3, timber  
and concrete piles, tinclad doors, plumbing,  
heating, electric lighting, slag roof, reinforced  
concrete floors, hollow tile, hot water heating,  
electric lighting, glazed steel sash, safety  
treads, roof ventilators, waterproofing. Low-  
est bidders: Wm. Linker Co., 831 Cherry  
street, \$256,000; Wark & Co., 1737 Filbert st.,  
Philadelphia, \$256,850.

**Drill Shed**, Thirty-second and Market sts.,  
Philadelphia. Architect, Philip H. Johnson,  
1713 Sansom street, Philadelphia. Owners,  
State of Pennsylvania, care of State Armory  
Board, Harrisburg, Pa. Brick and steel, 1  
and 2 stories, 282x158 feet, ready roof, rolled  
steel sash. Owners are ready for bids, due  
March 21st.

**Residence**, Germantown, Philadelphia. Ar-  
chitect, Albert F. Schenck, Real Estate Trust  
Building, Philadelphia. Owner's name with-  
held. Stone or hollow tile, 2 stories, 30x35  
feet. Plans in progress. Too early for details.

**Residences (28)**, Marlyn Road and Diamond  
street, Philadelphia. Architect, E. Allen Wil-

son, 1208 Chestnut street, Philadelphia. Own-  
er, John J. Marshall, 1115 Marlyn Road.  
Brick and stone, 16x42 feet; garages in four  
corner residences, 2 stories, slate, tile and  
slag roof, hot water heating, oak floors, com-  
bination lighting, tile and marble work. Plans  
completed. Owner is ready for sub-bids.

**Factory (add.)**, Cedar and Huntingdon sts.,  
Philadelphia. Architect, Wm. Lowenthal, 1208  
Chestnut street, Philadelphia. Owners, Taubel  
Bros., on premises. Brick, mill construction,  
3 stories, 48x70 feet, concrete foundations,  
slag roof, maple and plank floors, rolled steel  
sash (plumbing, heating, lighting, painting  
and cement work reserved). Architect taking  
bids, due March 5th. Smith-Hardican Co., 1606  
Cherry street; Frank G. Stewart, 1619 Sansom  
street; Lam Building Co., 1001 Wood street;

H. H. Wehmeyer, Inc., 509 West Cumberland  
street; F. A. Havens Co., 845 North Nine-  
teenth street; A. Sonnenfeld, 263 South Sixty-  
third street, and E. C. Durell, 1718 North  
Twenty-fourth street, are figuring.

**Bank (alts.)**, Broad and Diamond streets,  
Philadelphia. Architect, Paul A. Davis, 1713  
Sansom street, Philadelphia. Owners, Broad  
Street Bank, on premises. Concrete vault, 2  
stories, 11x12 feet, concrete foundations, elec-  
tric lighting, tile work, metal lath, North Car-  
olina pine floors. Architect taking bids, due  
March 4th. A. R. Raff Cont. Co., 1635 Thomp-  
son street; H. E. Baton, 1713 Sansom street;  
F. E. Wallace, 1220 Chancellor street, and F.  
T. Mercer Co., 1706 Delancey street, are figur-  
ing.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man  
and Interior and Exterior Fitter.

**Warehouse**, Philadelphia, Pa., \$30,000.  
Architect, private plans. Owner, name with-  
held. Brick (mill construction), 3 stories,  
42x100 feet, slag roof, stone foundations, va-  
per heating, electric lighting, cement and ma-  
ple floors, hollow metal sash, steel rolling  
doors. Contract awarded to Henry P. Schnei-  
der, 3713 Old York road.

**Temporary Enclosure and Addition**, 1616  
Master street, Philadelphia. Architect, Frank  
E. Hahn, 1112 Chestnut street, Philadelphia.  
Owner, Jewish Welfare Board, 1616 Master  
street, Philadelphia. Brick, 40 feet 7 inches  
x13 feet, slag and asbestos shingle roof, steam  
heating, electric lighting, tile and marble  
work, iron work. Contract awarded to H.  
Seidman, 1312 North Sixth street, Philadel-  
phia.

**Manufacturing Bldg. (alts. and add.)**, Far-  
rell's Road and Woodland avenue. Architect,  
E. Allen Wilson, 1208 Chestnut street, Phila-  
delphia. Owner, Walter Tinney, on premises.  
Brick and concrete, stone foundations, 1 story,  
slag roof, hot water heating, gas lighting,  
cement and pine floors, hollow tile, metal lath,

hollow metal sash and skylights, roof venti-  
lators. Contract awarded to H. M. McClos-  
key, Jr., 1620 Thompson street.

**Wagon Shed**, Forty-eighth and Lancaster  
avenue, Philadelphia, \$15,000. Architect, pri-  
vate plans. Owner, Supplee-Wills-Jones Co.,  
Twentysixth and Jefferson streets. Brick, 1  
story, 118x120 feet, slag, roof, hollow tile,  
steel sash. Contract awarded to Kessler Cont.  
Co., Drexel Bldg., Phila.

**Store**, 3537 Germantown avenue, \$4,000.  
Architect, private plans. Owner, Paul A.  
Rinck, 3761 North Eighteenth street, Phila-  
delphia. Brick, 1 story, 20x96 feet, electric  
lighting. Contract awarded to H. E. Sweger,  
4435 North Uber street, Philadelphia.

**Storage Bldg. (add.)**, West side of Twenty-  
third, near Race street, \$1,700. Architect,  
private plans. Owner, Wm. F. Powell, North-  
west Corner Twenty-third and Race streets.  
Brick, 1 story, 52x54 feet, slag roof. Con-  
tract awarded to Mitchell Bors., 2125 Race  
street, Philadelphia.

**Store (alts.)**, 2836 Germantown avenue.  
Architect, Wm. H. Wooters, 816 West Alle-

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gheny avenue, Philadelphia. Owner, Mark Lipschutz, care of architect. Flush bulks, mill work, glazing, painting, electric lighting. Contract awarded to G. J. Reich, 1112 Loudon street, Philadelphia.

**Store and Shop**, Forty-second and Chestnut streets, \$2,500. Architect, private plans. Owner, Phila. Rapid Transit Co., 810 Daphin street. Roof over space between two brick walls, slag roof. Contract awarded to Le Roy K. Smith, Forty-first and Chester avenue.

**Dwelling (alts.)**, 4715 Pulaski avenue, \$4,000. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Dr. Joseph T. Krauskopf, on premises. General fire repairs, plastering, oak floors, new partitions, new stairway, painting, papering. Contract awarded to Specht & Sperry, Heed Building, Philadelphia.

**Storage Building**, 3731 Walnut street, Philadelphia, \$10,000. Architect, private plans. Owner, Abram K. Jerrehian, 1609 Sansom st., Philadelphia. Brick, 2 stories, 39x50 feet and 24x30 feet, slag cement, cement floors, rolled steel sash and skylights, ornamental iron work, (heating, electric wiring and lighting fixtures and whitewashing reserved). Contract awarded to Thomas C. Trafford, 1613 Sansom street, Philadelphia.

**Store and Dwelling**, 2641 West Lehigh avenue, \$2,000. Architect, private plans. Owner, Charles T. Voigt, 2637 West Lehigh avenue. Alterations and addition, brick, 1 story rear, 16x16 feet, and side addition, 3x14 feet, slag roof, electric lighting. Owner will build.

## PENNSYLVANIA Construction News

**Store (alt.)**, Lackawanna and Penn streets, Scranton, Pa. Architect, L. Reisman, Miller Building, Scranton, Pa. Owner, Maurice Silverberg Co., 269 Lackawanna avenue, Scranton. Brick. Plans in progress.

**Mill Building**, site not selected. Architect, Wm. Hancock, Mears Building, Scranton, Pa. Owner, name withheld. Brick and concrete, 1 story, 30,000 square feet, steel sash, steam heating, electric lighting, maple floors. Preliminary plans in progress.

**School (add.)**, location withheld. Architect, Lewis Hancock, Mears Building, Scranton, Pa. Owner, name withheld. Stucco, 2 stories and basement, 50x90 feet, shingle roof, yellow pine floors, gravity system of heating, electric lighting. Preliminary plans in progress.

**Apartment House**, Arthur avenue, Scranton, Pa. Architect, Lewis Hancock, Mears Building, Scranton, Pa. Owner, name withheld. Brick, 3 stories, 42x60 feet, steam heating, electric lighting, tile work, stone foundations, hardwood floors. Preliminary plans in progress.

**Apartment (6 family)**, Madison avenue, Scranton, Pa., \$18,000. Architect, Fred Nelson, Connell Building, Scranton, Pa. Owner, name withheld. Frame and stucco, 3 stories, 48x68 feet, slag roof, hardwood and composition floors, steam heating, electric lighting, tile and marble work, rolled steel skylights, roof ventilators. Plans in progress.

**Community Hall and City Hall**, Pittston, Pa. Architect, J. J. Howley, Traders Bank Building, Scranton, Pa. Owner, City of Pitts-

ton, City Hall, Pittston, Pa. Brick, 70x150 feet, stone foundations, electric lighting, vacuum heating, fireproof floors. Preliminary plans in progress.

**Service Station**, Wilkes-Barre, Pa. Architect, J. J. Howley, Traders Bank Building, Scranton, Pa. Owner, Maloney Oil & Mfg. Co., South Carey avenue, Wilkes-Barre, Pa. Terra cotta, 1 story, tile roof. Preliminary plans in progress.

**Residence and Garage (alts.)**, Rydal, Pa. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owner, Eugene McGuckin, 105 North Thirteenth street, Philadelphia. Residence alterations, hot water heating, electric lighting, plumbing, tile work, changing barn to garage and servants' quarters, stone and shingle. Plans about completed. Architects will be ready for sub-bids.

**Residence (add.)**, Harrisburg, Pa. Architect, Albert C. Kelsey, Perry Building, Philadelphia. Owners, Mr. and Mrs. H. B. McCormick, Harrisburg, Pa. Brick and stone, 1 story, 24x50 feet, slag roof, reinforced concrete floors, tile and marble work, metal lath and sash, (1) ventilator, steam heating, electric lighting, fire door. Architect taking bids. W. S. Miller, Telegraph Building, Harrisburg, Pa., is figuring.

**Odd Fellow Building**, New and Broad streets, Bethlehem, Pa. Architect, private plans. Owner, Odd Fellows, care of Mr. Huffle, 5 New street, Bethlehem, Pa. Brick, 3 stories, 60x90 feet. Work contemplated.

**Garage (alts.) to Store**, Broad street, Bethlehem, Pa. Architect, private plans. Owner,

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S. Meyers, 126 South Main street, Bethlehem, Pa. General interior alterations, electric lighting, tile work. Work contemplated.

**Silk Mill**, Ninth and Greenleaf streets, Allentown, Pa. Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owner, Geo. Garnet, Allentown, Pa. Concrete and brick, 4 stories and basement, 37x164 feet, slag roof, concrete foundations, electric lighting, metal sash, wood floors, elevators, roof ventilators. Plans in progress.

**Store (alt.)**, Centre Square, Allentown, Pa. Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owner, Kline Estate, care of Mr. Healy, B. & B. Building, Allentown. New front, stairway, rear addition 8x14 feet, wood floors, plastering, plate glass. Plans in progress. Owner will take bids in a few days.

**Garage**, Fifth avenue and Broad street, Bethlehem Pa., \$10,000. Architect, H. J. Weigner. Bethlehem Trust Building, Bethlehem, Pa. Owner, Ross Common Water Co., care of R. Crossland, Mgr., P. O. Building. Brick, 1 story, 30x85 feet. Plans in progress. Owners will take sub-bids in about ten days.

**Public Garage**, East Broad street, Bethlehem, Pa. Architect, private plans. Owner, Mrs. Hebrom, 623 Turner street, Allentown, Pa. Brick, 1 story, 35x130 feet. Plans in progress.

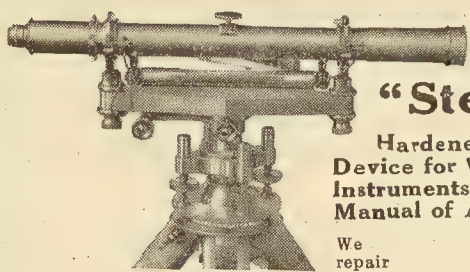
**Store and Dwelling (1), Dwellings (8)**, Lorenine road and County Line, Ardmore, Pa. Architect, Reuben Beard, Commonwealth Building, Philadelphia. Owner, name withheld. Brick (taspstry), 2 stories, 16x48 feet, shingle and slag roof, stone foundations, hot water heating, electric lighting, hardwood floors. Architect is taking sub-bids.

**Parish House**, Garrett road and Riverview avenue, Drexel Hill, Pa. Architect, private plans. Owner, Episcopalian Chapel of the Incarnation, care of Mr. Cassalf, Chairman of Building Committee, Drexel Hill, Pa. Stone, 1 story and basement, 28x74 feet, 20x17 feet, 13x16 feet, slate roof, stone foundations, steam heating, electric lighting, cement and

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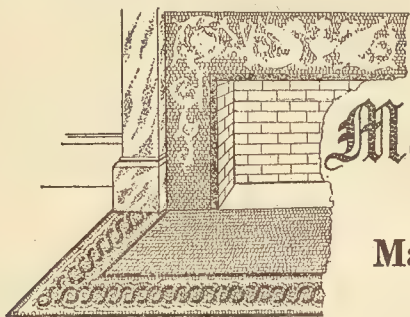
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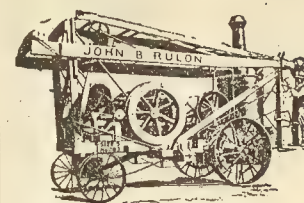
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yellow pine floors, hollow tile, iron work. Owners have received bids.

**Residence and Garage**, Haverford, Pa. Architect, private plans. Owner, Frank H. Mahan, Ardmore, Pa. Stone, 2½ stories, 32x110 feet, stone foundations, slate roof, oak floors, hot water heating, tile baths. Plans completed. Owner will build and is ready for sub-bids.

**Residences and Garages (2)**, Ardmore, Pa. Architect, private plans. Owner, Frank H. Mahan, Ardmore, Pa. Stone, 2½ stories, 44x46 feet, garage 20x20 feet, residence 2½ stories, 26x90 feet (including garage), stone, stone foundations, shingle roof, hot water heating, oak and cement floors, tile baths. Plans completed. Owner will build and is ready for sub-bids.

**School**, "Boulevard School," Throop, Pa. Architect, J. J. Howley, Scranton, Pa. Owner, School Board of Throop, Lincoln School Building, Throop, Pa. Frame, 2 stories, 40x60 feet, slag or slate roof, pine floors, steam heating, electric lighting, roof ventilators, weather strips, fire escapes. Owners will be ready for bids in a few days.

**High School**, Throop, Pa., \$50,000. Architect, J. J. Howley, Scranton, Pa. Owner, School District of Throop, Throop, Pa. Brick, 3 stories, 60x124 feet, hot water heating, electric lighting, pine floors, slag roof (gymnasium and domestic science room). New plans in progress.

**Parsonage (alts.)**, Pittston, Pa. Architect, J. J. Howley, Scranton, Pa. Owner, St. Michael's Greek Catholic Church, North Main street, Pittston. Plumbing, heating, art glass and interior decorating. Ready for bids in a few days.

**School**, Dunmore street, Throop, Pa. Architect, J. J. Howley, Scranton, Pa. Owner, School Board of Throop, Lincoln School Building, Throop, Pa. Frame, 2 stories, 40x62 feet, slag roof, steam heating, electric lighting, roof ventilators, metal weather strips, fire escapes. Owners will take bids in a few days.

**Moving Picture Theatre**, Public Square, Wilkes-Barre, \$150,000. Architect, Leon Lempert & Son, 346 Cutler Building, Rochester, N. Y. Owner, M. E. Comerford Amusement Co., 303 Lackawanna avenue, Scranton. Brick, steel and concrete, 2 stories, 81x160 feet, seating capacity 2,300. Plans in progress. Owner

will take bids March 1st.

**School (alts.)**, Summit Hill District, Pa. Architect, J. J. Howley, Traders Building, Scranton, Pa. Owner, Summit Hill District, Summit Hill, Pa., care of Daniel Davis Lee, Summit Hill, Pa. Plumbing, heating and electrical work. Owners are taking bids.

**Apartments (alts.)**, 400 Block of Adams street, Scranton, Pa. Architect, J. J. Howley, Traders Building, Scranton, Pa. Owner, William Maloney, Land Title Building, Philadelphia. General interior alterations. Owner is taking bids.

**Residence**, Diamond avenue, Hazleton, Pa. Architect, G. F. Schroeder, Wilkes-Barre, Pa. Owner, A. H. Mason, Hazleton, Pa. Alterations to porches, changing heating, plumbing, hardwood floors, interior alterations. Owner and architect ready for bids.

**Swimming Pool**, Y. W. C. A., Franklin st., Wilkes-Barre, Pa. Architect, C. Evans, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Y. W. C. A., Wilkes-Barre, Pa. Alterations. Work contemplated.

**Welcome Arch**, Market street, Lehigh Valley Station, Wilkes-Barre, Pa. Architect, C. W. Evans, Coal Exchange Building, Wilkes-Barre, Pa. Owners, City and County of Wilkes-Barre. Cement and shaft, 66x50 feet. Owners taking bids.

**Church**, Pocono Lake, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Father Bowland, Pocono, Pa. Frame, 1 story and basement, 36x80 feet, shingle roof, hardwood floors, stone foundations, electric lighting. Architect will be ready for bids in a week, due April 1st.

**Residence and Garage (alts.)**, Rydal, Pa. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owner, Eugene McGuckin, 105 North Thirteenth street, Philadelphia. Alterations to residence, hot water heating, electric lighting, plumbing, tile work, changing barn to garage and servants' quarters, stone and shingle. Architects are taking sub-bids.

**Residence**, Quarryville, Pa. Architect, E. C. Urban, Woolworth Building, Lancaster, Pa. Owner, A. Gilbert, Quarryville, Pa. Brick, stone and plaster, 2 stories, 26x32 feet, shingle roof, hot air heating (pipeless), hardwood floors, electric lighting. Plans in progress. Owner will take bids in about two weeks.

**Apartment Building (alts.)**, West Market street, York, Pa., \$10,000. Architects, Gemmill & Billmeyer, Rossmiller Building, York, Pa. Owners, York Paint and Color Co., York, Pa. Brick, stone trim, 4 stories, 26x83 feet, slag roof, steam heating, combination lighting, hardwood floors, tile and marble work. Plans in progress.

**Garage**, Christiana, Pa., \$10,000. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, Wm. H. Brown, Christiana, Pa. Brick, 1 story, 50x120 feet, composition roof, cement floors, electric lighting, gasoline storage system. Architect ready for bids.

**Houses (6)**, Jackson street, Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange st., Lancaster, Pa. Owner, Ray Clark, 128 South Ann street, Lancaster, Pa. Brick, 2 stories, 18x35 feet, composition roof, hot air heating, electric lighting, yellow pine floors. Owner is taking sub-bids.

**Commercial Building**, Carlisle street, Gettysburg, Pa. Architect, R. A. Stair, Guardian Trust Building, York, Pa. Owner, W. L. Hafer, Gettysburg, Pa. Brick, 2 stories, 60x125 feet, slag roof, yellow pine floors, electric lighting, hot water heating, tile work. Owner is taking bids on revised plans.

**Apartment (alts.)**, Lancaster, Pa., \$15,000. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner's name withheld. New front, general interior alterations, remodeling building into apartments (10). Preliminary plans in progress. Architect will be ready for bids in about one week.

**Garage**, Philadelphia Pike, Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange st., Lancaster, Pa. Owner's name withheld. Brick, 1 story, 50x40 feet, composition roof, cement floor, electric lighting, steam heating. Plans in progress. Herman Wohlsen, Lancaster, Pa., will build.

**Business Property (alts.)**, 415 N. Duke st., Lancaster, Pa. Architect, H. Schawb, care of Brunswick Hotel, Lancaster, Pa. Owner, B. F. Trissler, 415 North Duke street, Lancaster, Pa. Interior alterations, display room. Architect taking bids. Herman Wohlsen, Frank Bachman, D. Warfel, and M. Grube, all of Lancaster, Pa., are figuring.

**Store and Dwellings (3)**, Marcus Hook, Pa. Architect, William A. Courtney, Jr., Chester,

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Pa. Architect, Chris Nacrelli, Marcus Hook, Pa. Brick and stone, 56x70 feet, tin roof, stone foundations, hot water heating, electric lighting, terrazzo work, cement floors, hollow tile, rolled steel skylights. Architect taking bids. Barclay, White & Co., 1713 Sansom street, are figuring.

**Hotel**, Ninth and Welsh streets, Chester, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Foster Hotel Corporation, Chester, Pa. Brick, stone and steel, 4 stories, 226x118 feet (400 rooms), stone foundations, slag roof, yellow pine floors, steam heating, electric lighting, tile and marble work, millwork, hollow metal skylights, fire doors, metal lath, (2) elevators, roof ventilators, metal ceilings. Plans in progress.

**Residence, Garage and Greenhouse**, St. Davids, Pa. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building. Owner, name withheld. Hollow tile and plaster, 2½ stories, 70x36 feet; 1½ stories, 20x30 feet; shingle roof, stone foundations, hot water heating, electric lighting, tile work, oak and cement floors. Architects will be ready for bids in two weeks.

**Residence (alts.)**, Ogontz avenue and City Line, Montgomery county, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, F. Eugene Dixon, Elkins Park, Pa. Stone and brick, 3 stories, 135x52½ feet, stone foundations, slate roof, hot water heating, electric lighting, tile, cement and oak floors (10 baths) tile and marble work, iron work (range, finished hardware, electric wiring, gas piping, mantels, refrigerator, lighting fixtures, weather strips and screens, reserved). Architect taking bids due March 3rd. Geo. F. Payne & Co., 401 South Juniper street; Geo. A. Fuller Co., Widener Building, and Milton W. Young, Overbrook, Pa., are figuring.

**Garage**, Christiana, Pa., \$10,000. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, William H. Brown, Christiana, Pa. Brick, 1 story, 50x120 feet, composition roof, cement floors, electric lighting, gasoline storage system. Architect ready for bids.

**Houses (6)**, Jackson street, Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, Ray Clark, 128 South Ann street, Lancaster, Pa. Brick, 2 stories, 18x35 feet, composition roof, hot air heating, electric lighting, yellow pine floors. Owner is taking sub-bids.

**Commercial Building**, Carlisle street, Gettysburg, Pa. Architect, R. A. Stair, Guardian Trust Building, York, Pa. Owner, W. L. Hafer, Gettysburg, Pa. Brick, 2 stories, 60x125 feet, slag roof, yellow pine floors, electric lighting, hot water heating, tile work. Owner is taking bids on revised plans.

**Apartment (alts.)**, Lancaster, Pa., \$15,000. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, name withheld. New front, general interior alterations, remodeling, building into apartments (10). Preliminary plans in progress. Architect will be ready for bids in about one week.

**Garage**, Philadelphia Pike, Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange

street, Lancaster, Pa. Owner, name withheld. Brick, 1 story, 50x40 feet, composition roof, cement floor, electric lighting, steam heating. Plans in progress. Herman Wohlsen, Lancaster, Pa., will build.

**Business Property (alt.)**, 415 North Duke street, Lancaster, Pa. Architect, H. Schwab, care of Brunswick Hotel, Lancaster, Pa. Owner, B. F. Trissler, 415 North Duke street, Lancaster, Pa. Interior alterations, display room. Architect taking bids. Herman Wohlsen, Frank Bachman, D. Warfel and M. Grube, all of Lancaster, Pa., are figuring.

**School (add.)**, Paxtang, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Paxtang School Board, care of J. Rutherford, Paxtang, Pa. Brick, 1 story, 108x35 feet, slate roof, maple floors, steam heating, electric lighting. Plans in progress.

**Cottage and School**, Littlestown, Pa.,

**Church**, DuPont, Pa., \$35,000. Architect, G. F. Schroeder, Wilkes-Barre, Pa. Owners, Polish Roman Catholic Church DuPont, Pa. Stucco, 50x110 feet, asbestos shingle roof, hardwood floors, stone foundations, steam heating, electric lighting, metal ceilings. Contract awarded to Martin Bohinski, Wilkes-Barre, Pa.

**Apartments (2 family)**, 500 Quincy avenue, Scranton, Pa., \$6,500. Architect, Fred Nelson, Connell Building, Scranton, Pa. Owners, Scranton Trust Co., 516 Spruce street, Scranton, Pa. Frame, 2 stories, 45x27 feet, slate roof, pine floors, steam heating, electric and gas lighting, tile and marble work. Contract awarded to D. H. Watson, Scranton, Pa.

**Gardener's Cottage**, Bryn Mawr, Pa. Architects, Stewardson & Page, 316 Walnut st., Philadelphia. Owner, C. C. Perkins, Bryn Mawr, Pa. Stone, 3 stories, 20x34 feet and 16x22 feet, shingle roof, yellow pine floors (hot air heat, electric light and plumbing reserved). Contract awarded to Milton W. Young, Overbrook, Pa.

**Candy Factory (add.)**, North Queen street, Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, R. F. Keppel & Bros., North Queen street, Lan-

\$27,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, Hoffman Orphanage, Littlestown, Pa. Brick, 2½ stories, slate roof, steam heating, electric lighting, wood floors. Plans in progress. Architect will be ready for bids in a month.

**Residence**, Quarryville, Pa. Architect, E. C. Urban, Woolworth Building, Lancaster, Pa. Owner, A. Gilbert, Quarryville, Pa. Brick, stone and plaster, 2 stories, 26x32 feet, shingle roof, hot air heating (pipeless), hardwood floors, electric lighting. Plans in progress. Owner will take bids in about two weeks.

**Apartment Building (alts.)**, West Market street, York, Pa., \$10,000. Architect, Gemmill & Billmeyer, Rossmiller Building, York, Pa. Owner, York Paint & Color Co., York, Pa. Brick, stone trim, 4 stories, 26x83 feet, slag roof, steam heating, combination lighting, hardwood floors, tile and marble. Plans in progress.

cester, Pa. Brick, 1 story, 80x30 feet, composition roof, maple floor. Contract awarded to H. L. Wiant, Lancaster, Pa.

**Residence (alts.)**, Franklin & Marshall College Campus, Lancaster, Pa. Architect, E. C. Urban, Woolworth Building, Lancaster, Pa. Owners, Franklin & Marshall College, on premises. General interior alterations, hot water heating, electric lighting, hardwood floors, new bathrooms, etc. Contract awarded to H. L. Wiant, Lancaster, Pa.

**Church and Sunday School (alts.)**, North Duke street, Lancaster, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owners, First Methodist Church, Duke street, Lancaster, Pa. Interior alterations. Contract awarded to Edwin Auxer, Lancaster, Pa.

**Store Front (alts.)**, 142 North Queen street, Lancaster, Pa., \$2,500. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, Miss Anna Spreher, Lancaster, Pa. New store front, glazing. Contract awarded to Jacob Stumpf & Son, Lancaster, Pa.

**Brewery (alts. to Silk Mill)**, Elder street, Scranton, Pa. Architect, F. L. Brown, 130 Washington street, Scranton, Pa. Owners, Penn Central Brewery Co., Seventh avenue, Scranton, Pa. Tearing down walls, interior

## PENNSYLVANIA

## Contracts Awarded

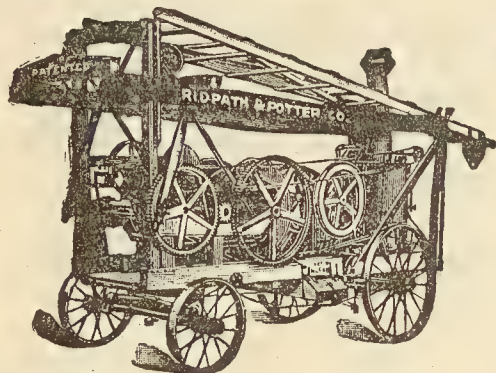
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alterations, steel sash, pine and maple floors. Contract awarded to E. A. Filler, 1616 Dickson avenue, Scranton, Pa.

**Residences (4)**, Ardmore, Pa., and Haverford, Pa. Architects, McIlvaine & Roberts, Otis Building, Philadelphia. Owners, McIlvaine & Co., Otis Building, Philadelphia. Stone, 2½ stories, 41x35 feet; stone, 2½ stories, 49x20 feet 10 inches, wing 11 feet 4 inches x14 feet 10 inches, frame and plaster, 39 feet 4 inches x22 feet, 2½ stories, Clap Board, 2½ stories, 30 feet 8 inches x31 feet 2 inches, shingle roof, hot water heating, oak floors, tile baths. Contract awarded to Metzger & Fisher, Otis Building, Philadelphia.

**Candy Factory (add.)**, North Queen street, Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, R. F. Keppel & Bros., North Queen street, Lancaster, Pa. Brick, 1 story, 80x30 feet, composition roof, maple floor. Contract awarded to H. L. Wiant, Lancaster, Pa.

**Residence (alt.)**, Franklin and Marshall College Campus, Lancaster, Pa. Owner, Franklin and Marshall College, on premises. Architect, E. C. Urban, Woolworth Building, Lancaster Pa. General interior alterations, hot water heating, electric lighting, hardwood floors, new bathrooms, etc. Contract awarded to H. L. Wiant, Lancaster, Pa.

**Church and Sunday School (alts.)**, North Duke street, Lancaster, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owner, First Methodist Church, Duke street, Lancaster, Pa. Interior alterations. Contract awarded to Edwin Auxer, Lancaster, Pa.

**Store Front (alts.)**, 142 North Queen street, Lancaster, Pa., \$2,500. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, Miss Anna Spreher, Lancaster, Pa. New store front glazing. Contract awarded to Jacob Stumpf & Son, Lancaster, Pa.

**Brewery (alts.)**, to Silk Mill, Elder street, Scranton, Pa. Architect, F. L. Brown, 130 Washington street, Scranton, Pa. Owner, Penn Central Brewery Co., Seventh avenue, Scranton, Pa. Tearing down walls, interior alterations, steel sash, pine and maple floors. Contract awarded to E. A. Filler, 1616 Dickson avenue, Scranton, Pa.

**Double Houses (7)**, Retreat, Pa. Architect, Austin Reilly, Bennett Building, Wilkes-Barre, Pa. Owner, Central Poor District, Wilkes-Barre, Pa., care of James L. Reilly, Secretary, Wilkes-Barre, Pa. Concrete block and asbestos shingles, 2 stories, 34x44 feet, asbestos shingle roof, concrete foundations, yellow pine floors, electric lighting, hot air heating. Contract awarded to Moses Griffith, Plains, Pa.

## NEW JERSEY Construction News

**High School**, Burlington, N. J. Architect, H. A. Brown, First National Bank Building, Trenton, N. J. Owner, Burlington School Board, care of W. E. Ridgeway, Secretary. Brick, 2 stories, stone foundation, slag or stone roof, steam heat, electric light, maple floors. Plans in progress.

**Residence**, Lenape and West State street, Trenton, N. J. Architect, R. A. Schumann, 932 Lamberton street, Trenton, N. J. Owner, S. Chapen, Trenton, N. J. Brick and stucco, 2½ stories, 30x50 feet, tile roof, steam heat, electric light, hardwood floors. Plans in progress.

**Store and Bungalow**, Ateo, N. J. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, John Panzie, Ateo, N. J. Brick and concrete, 1½ stories, shingle roof,

stone foundations, hot water heating, electric lighting. Plans in progress. Ready for sub-bids in a week. Owner may build.

**Factory**, North Front street, Camden, N. J. Architect, Carl P. Berger, 1416 South Penn Square, Philadelphia. Owner's name withheld. Brick, steel and concrete, 3 stories, 53x70 feet, slag roof, yellow pine floors, steam heating, electric lighting, metal lath, electric elevators, fire doors. Plans about completed. Architect will be ready for bids in ten days.

**Hotel**, West State and Willow streets, Trenton, N. J., \$1,000,000. Architect, Eisenwein Johnson, Buffalo, N. Y. Owner, Hotel Realty Co., care of M. G. Rockhill, Trenton, N. J. Stone, brick, concrete and steel, 10 stories, 100x200 feet (250 rooms). Contemplated.

**Houses (12)**, Boudinot street, Trenton, N. J. Architect, private plans. Owners, Worthington Bros., St. Regis Theatre Building, Trenton, N. J. Brick, 2½ stories, 14-foot front. Work contemplated.

**Residences (2)**, Laurel street, Trenton, N. J., \$2,000 each. Owner, W. J. Morris, Broad Street Building, Trenton, N. J. Brick, 2 stories, 18x30 feet. Work contemplated.

**School**, Burlington County, N. J., \$10,000. Architect, R. A. Schumann, 932 Lamberton street, Trenton, N. J. Owner, School Board of Burlington County. Brick 1 story. Work contemplated.

**Garage**, Olive street, Trenton, N. J., \$5,000. Architect, William Kleman, First National Bank Building, Trenton, N. J. Owner, Fred Barlow, 130 East State street, Trenton, N. J. Brick, 2 stories, 20x50 feet. Plans in progress.

**Stable and Garage**, New Egypt, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owner, F. S. Kazenbach, Jr., Trenton, N. J. Frame, 2 stories, 24x70 feet, shingle roof, brick foundations, hot air heating, gas lighting, concrete and wood floors. Contract awarded to Clarence Lewis, New Egypt, N. J.

## Miscellaneous Construction News

**Hospital**, Wards Island, N. Y. Architect, Lewis F. Pilcher, Albany, N. Y. Owner, State Hospital Commission, Albany, N. Y. Brick, steel and concrete, fireproof, 3 stories, 114x44 feet, slate roof, concrete floors, tile floors, fire escapes, wire work, steel ceilings, fireproof doors, metal lath, dampproofing, terra cotta. Owners taking bids due March 4th at 3 P. M. Warren-Moore Co., Colonial Trust Building, Philadelphia, are figuring.

**Grand Stand and Bleachers**, Spec. 3795, Hampton Roads, Va., \$64,500. Architect, private plans. Owners, United States Government, Bureau of Yards and Docks, Washington, D. C. Reinforced concrete, steel sash, concrete footings, slag roof, marble and tile work, plumbing, heating and electric wiring. Owners has received bids.

## Maryland

### Construction News

**Residence (alts. and add.)**, Poplar Grove street and Edmondson avenue, Baltimore. Architect, J. C. Spedden, 2715 Harlem avenue, Baltimore, Md. Owner, Dr. Willis, on premises. Brick, 2 stories, 17x50 feet, slag roof, steam heating, electric lighting, hollow metal skylights, painting, plumbing, new front, glazing. Plans in progress.

**Dwellings (2)**, Hilton street and Forest Park avenue, Baltimore, Md., \$20,000. Architect, John R. Forsythe, 4307 Penhurst avenue, Baltimore, Md. Owner, Charles Dimmling, 611 Broadway Market, Baltimore, Md. Brick, 2½ stories, stone foundations, slate roof, steam heating, electric lighting, dampproofing, tile work, hardwood floors. Architect taking bids. E. G. Turner, W. T. Childs, G.

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Walter Tovell and Consolidated Eng. Co., all of Baltimore, Md., are figuring.

**Factory (add.),** 1529-33 Gorsuch avenue, Baltimore, Md. Architect, F. E. Beall, 1335 Gilmore street, Baltimore, Md. Owner, Helwig & Leight, on premises. Brick, 2 stories, 48x90 feet, concrete foundations, slag roof, electric lighting, steel sash, metal doors, hollow metal skylights, ventilators, fireproofing, hollow tile, painting, plumbing, hand-power elevators. Architect and owner taking bids. Geo. A. Gebb, 1347 Gorsuch avenue, and H. M. Reinhart, 531 Calvert Building, Baltimore, Md., are figuring.

**Building,** near Sanford and Division streets, Baltimore, Md. Architect, private plans. Owner, Babette Senker, on premises. Brick, 1 story, 15x49 feet, slag roof, electric lighting. Contract awarded to R. H. Frazier & Son, 224 West Mulberry street, Baltimore, Md.

ing, Baltimore, Md. Owner, McIver Construction Co., Fidelity Building, Baltimore, Md. Brick, stone and steel, 4 stories, 125x125 feet. Plans in progress. Too early for details. Owners will build.

**Apartment House,** Baltimore, Md., \$25,000. Architect, W. O. Sparklin, 1402 Fidelity Building.

#### INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 17, 1919. Sealed Proposals will be opened in this office at 3 P. M., March 25, 1919, for remodeling of the United States Post Office, Court House and Custom House at Providence, R. I. Drawings and specifications may be obtained from the Custodian or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

## PERMITS FOR Alterations and Additions

O is the abbreviation for owner. C is for contractor.

### Philadelphia

Dwelling, 3942 Spruce street, \$610. (O) Miss Laura W. Loby, on premises. Repair fire damage. (C) John Duncan, 920 Walnut street.

**Service Club,** 1616 Master street, \$1,800. (O) Jewish Welfare Association, on premises. Porch enclosure and overhanging bath, alterations. (C) A. Seidman, 1312 North Sixth street.

**Storage,** Twenty-third and Race streets, \$1,700. (O) William F. Powell, Northwest Corner Twenty-third and Race streets. Brick, 1 story, 52x54 feet addition. (C) Mitchell Bros., 2125 Race street.

**Tank Support,** North side of Snyder avenue, West of Swanson street, \$500. (O) Publick-Ward Co., on premises. Steel.

**Factory,** 1331 Victoria street, \$1,500. (O) Theo. Marqueland, 3633 Germantown avenue. Brick, 1 story, 14½x66 feet. (C) John Buchert, 3629 Sydenham street.

**Hotel,** Northeast Corner Broad and Fairmount avenue, \$20,000. (O) Salvation Army, on premises. Fire tower and alterations. (C) F. L. Hoover & Sons, 1023 Cherry street.

**Dwelling,** 438 North Simpson street, \$300. (O) A. DeMeo, on premises. Brick addition, 1 story, 12x17 feet. (C) Silvis DeMeo, on premises.

**Dairies,** 3043 Chestnut street, \$1,000. (O) Abbott Dairies, on premises. Brick, 1 story, 22x38 feet, alterations.

**Store and Dwelling,** 1114 North Fortieth street, \$1,500. (O) David Davidson, on premises. Alterations to store, flush bulks. (C) A. Yermanock, 3828 Cambridge street.

**Store and Dwelling,** 327 South Sixth street, Philadelphia, \$300. (O) H. Bepperling, 936 Somerset street. Flush building. (C) H. P. Werner, 3245 Germantown avenue.

**Store and Dwelling,** 2620 Memphis street, \$300. (O) H. W. Leis, 2008 East York street. New flush bulk. (C) William E. Stone, 2069 East Dauphin street.

**Store and Dwelling,** 3707 Germantown avenue, \$500. (O) N. N. Rosenberg, on premises. Interior alterations. (O) J. Y. Loux, 3731 York road.

**Dwelling,** 5935 Pulaski avenue, \$300. (O)

W. H. Stauffer, on premises. Bay window and alterations. (C) L. D. Stites, 126 Herman street.

**Restaurant,** 1203 Cuthbert street, \$485. (O) Horn & Hardart Co., 214 South Tenth street. Fire repair damage. Harry Rust, 19 South Eighth street.

**Factory,** 729 Arch street, \$1,800. (O) Max S. and Morris Apt, on premises. Interior alterations and new bulk. (C) F. I. Wintz, 1618 North Twenty-seventh street.

**Store and Dwelling,** 745 South Second street, \$6,400. (O) Mrs. Jennie Goldsmith, 841 South Second street. New bulks, addition, brick, 2 stories, 16x42 feet, slag roof, alterations. (C) Frank Lucci, 1603 Ellsworth street.

**Store,** 2754-56 Kensington avenue, \$600. (O) A. Kahn, on premises. Brick, 1 story, 6x7½ feet, alterations, flush bulk. (C) William M. McCaughey, 108 East Westmoreland street.

**Store and Dwelling,** 5109 Market street, \$450. (O) Robert C. Hutchinson, 5109 Market street. Alterations. (C) Harry Sadjian, 1583 North Fifty-second street.

**Store,** 1112-14 Chestnut street, \$375. (O) John Cadwalader, on premises. Bay window, second floor. (C) Max Nathan, 7816 Laycock street.

**Store,** 512 Butler street, \$1,100. (O) James Pitchie, on premises. Addition, brick, 1 story, 14x18 feet, alterations. (C) Fred Peccari, 3752 North Randolph street.

**Office,** 83 Armat street, Philadelphia, \$400. (O) P. & R. R. R., Twelfth and Market streets. Brick, 1 story, 10x8 feet. (C) George C. Fossel, 5604 Utah street.

**Shop,** 1813 Blair street, \$1,000. (O) Samuel Goldes, 1804 Frankford avenue. Brick, 2 stories, 16x6 feet, alterations. (C) C. Yacknitz, 1202 North Seventh street.

**Store,** Northwest Corner Broad and Bainbridge streets, \$300. (O) B. Brodsky, 449 North Third street. Interior and exterior alterations. (C) H. Seidman, 1312 North Sixth street.

**Restaurant,** 818 Chestnut street, \$300. (O) A. B. Pierson, New York City. Alterations.

(C) Harry R. Rust, 19 South Eighth street.

**Store,** Southeast Corner Fifty-second and Arch streets, \$680. (O) John A. Dougherty, 5108 Walnut street. Alterations. (C) Basch & Co., 1426 South Front street.

**Store and Dwelling,** Northeast Corner Orthodox and James streets, \$1,000. (O) Wincoff & Weiss, Southeast Corner Melrose and Orthodox streets. Alterations. (C) Berkelbach & Co., 4608 Richmond street.

**Dwelling and Store,** 2455 South Philip street, \$1,000. (O) Mitchell Smolen, on premises. Alterations. (C) Samuel Lit, 515 Wharton street.

**Dwelling,** 6217 Girard avenue, \$800. (C) C. E. White, 511 North Sixty-third street. Alterations and heater and range.

**Dwelling,** 505 Pine street, \$500. (O) Dr. I. Schechter, 505 Pine street. Alterations. (C) Louis Swerdloff, 228 South Fifty-ninth street.

**Store,** Southeast Corner Main and Green Lane, \$1,000. (O) P. O. S. of A, Camp 111, on premises. Flush bulks, alterations. (C) Wm. H. Eddleman & Son, 453 Green Lane.

**Store,** 1228 Columbia avenue, \$1,000. (O) Jos. H. Bush, 1226 Columbia avenue. New flush bulks. (C) Basch & Co., 1426 South Front street.

**Store and Dwelling,** 2419 Cedar street, \$400. (O) J. Kublicki, on premises. Alterations, flush bulk. (C) Henry Hobert, 2620 East Cumberland street.

**Chicken House,** rear 5627 Ridge avenue, Roxboro, Pa, \$400. (O) Albert Walker, on premises. Asbestos side and roof, 1 story, 17x40 feet.

**Dwelling,** 1411 South Clarion street, \$300. (O) S. Quaglin, on premises. Brick, 2 stories, 14x9 feet, slag roof, addition. (C) V. Giordano, 1921 South Iseminger street.

**Dwelling,** South side of Fountain street, East of Manayunk avenue, \$300. (O) R. Bauer, on premises. Brick, 1 story, 14x12 feet, addition.

**Dwelling,** 35 North Thirty-fourth street, \$300. (O) E. F. Owings, on premises. Enclosing front porch. (C) W. L. Burton, 2108 Sedgley avenue.

**Dwelling (add., Garage),** 108 Rochelle avenue, \$300. (O) J. G. Ellison, on premises. (C) Michael D'uva, Manayunk avenue and Walnut lane.

**Light Manufacturing Building,** 21-23 South Sixth street, \$360. (O) Franklin Printing Co., on premises. Alterations to front, first floor. (C) F. I. Wintz, 1618 North Twenty-seventh street.

**Store,** 2405 South Broad street, \$960. (O) Morris Madgett, on premises. Flush bulks. (C) Nathan Litman, 2030 South Fifth street.

**Store and Dwelling,** 2137 Ridge avenue, \$462. (O) Henry Fuller, on premises. New flush bulk. (C) Nathan Litman, 2030 South Fifth street.

**Garage,** 1635-7-9 Vine street, \$500. (O) M. W. Weil, Sixth and Cherry streets. Repair fire damage. (C) A. Zellfelder, 151 South Broad street.

**Open Sheds (2),** 3034 Euclid avenue, \$725. (O) Wm. Linker Co., 831 Cherry street. Frame, 1 story, 10x48 feet and 12x120 feet.

**Store,** 4266-68 Main street, \$500. (O) Est. Catharine Schofield, 425 Lyceum avenue. New flush and repairs. (C) Charles C. Cox, 425 Lyceum avenue.

**Store and Dwelling,** 134 South Sixtieth street, \$850. (O) Max Secon, on premises. Hot water heating. (C) Edw. R. Sabin Co., Sixty-third and Walnut streets.

**Dwelling,** 727 South Ninth street, \$1,800. (O) Jos. Baranzano, 811 Fitzwater street. Brick, 2 stories, 16x14 feet, addition. (C) Frank Sbroglia, 703 South Tenth street.

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Garage, Watt street, South of Dauphin street, \$1,400. (O) A. S. Cassell, 2249 North Broad street. Brick, 1 story, 15x25 feet. (C) William J. Jones, 2927 North Fifth street.

Factory, Sixteenth and Pennsylvania avenue, \$85,000. (O) Wm. Sellers Co., Sixteenth and Hamilton streets. Brick and concrete, 5 stories, 108x54 feet. (C) Barclay White & Co., 1713 Sansom street.

Garage, Cumberland and Corlies streets, \$400. (O) Lewis T. Hubbs, 3016 Cumberland street. Brick, 10½x15 feet. (C) Wm. McDowell, Thirty-second and Ridge avenue.

Garage, Twelfth and Cambria streets. (O) J. W. Vandergrift, on premises. Changing stable to garage. (C) H. P. Werner, 3245 Germantown avenue.

Water Cooling Tower and Steel Support, Third and Norris streets, \$1,200. (O) Norris Market Ice Mfg. & Cold Storage Co., on premises. (O) P. Haibach Cont. Co., 1261 North Twenty-sixth street.

Garage, Wyoming avenue, West of Second street, \$800. (O) Dr. C. T. Race, Second and Wyoming avenue. (C) A. V. Turner, 6240 North Thirteenth street.

Dwelling, Cottman and Duncan streets, \$3,500. (O) James Griffith, 836 N. Orianna street. Frame, 1 story, 24x40 feet. (C) Neveling ros., 121 Sylvania avenue, Rockledge, Pa.

Garage, 2063 North Sixty-second street, \$900. (O) Thos. F. Reilly, Bala, Pa. Brick, concrete block, 2 stories, 20x20 feet, slag roof.

Garage, Woodstock and Sttella streets, \$1,500. (O) Charles J. Heckler, 3001 Croskey street. Brick, 1 story, 17½x70 feet, slag roof.

Dwellings (8), Broad and Green lane, \$38,000. (O) John Janke, 6295 North Broad street. Brick, 2 stories, 16x28 feet and 13x43 feet, slag roof, hot water heating.

Dwellings (2), Broad and Green lane, \$5,000. (O) John Janke, 6295 North Broad street. Brick, 2 stories, 16x48 feet, slag roof, hot water heating.

Store, 3537 Germantown avenue, \$4,000. (O) Paul A. Rinek, 3761 North Eighteenth street. Brick, 1 story, 20x96 feet. (C) H. E. Sweger, 4435 North Uber street.

Wagon Storage, Merion avenue and Girard avenue, \$12,500. (O) Supplee-Wills-Jones Co., Twenty-sixth and Jefferson streets. Brick, 1 story, 130x51 feet and 60x50 feet. (C) Geo. Kessler Cont. Co., Drexel Building.

Dwelling, 6803 North Twelfth street, \$1,000. (O) Thomas C. Poole, 130 SHunting Park avenue. Alterations, interior. (C) John H. Dagney, York road and Sixty-ninth avenue.

Slaughter House and Dwelling, 884 North Marshall street, \$400. (O) Mrs. J. Mickels, on premises. Alterations. (C) J. Newborn, 2019 North Eighth street.

Storage Shed (open), 1826-30 East Clearfield street, \$400. (O) Clearfield Textile Machine Co., on premises. Frame, 1 story, 36x24 feet.

Store and Dwelling, 1246 Federal street, \$1,600. (O) P. Oteri, on premises. Brick, second and third stories, 12½x24 feet, 1 story addition 12x12 feet. (C) J. Ferarri, 1233 Latona street.

Store and Dwelling, 161 North Marshall street, \$1,075. (O) Agt. E. J. Edelstein, Fourth and Morris streets. New flush bulks, alterations and repairs. (C) M. Litman, 2030 South Fifth street.

Don't be discouraged if you make an occasional mistake; if men didn't there wouldn't need to be any claw on a hammer.

## THE LARGER ASPECT OF HOME COMMUNITIES

(Continued from Page 104.)

most difficult things over which a land company may attempt supervision, but in this time of individualism if everyone goes ahead to carry out his own particular architectural whim as recently has been the almost universal case—the result can only be a wide, jarring discord. The community as a whole can have no significance, it will exist merely as a confusion. And the point for the land companies to see is that with all the publicity given the subject through popular magazines the people are gradually becoming aware of this fact, and the awakening will soon result in a demand for better things, for communities that do have a significance as a whole, that shall be harmonious units, as, for example, is Hampstead, in England, Forest Hills Gardens on Long Island, and section of Roland Park, Baltimore. In this event the present communities of wholly inharmonious architectural notes will grow out of fashion and will be discarded as utterly ugly and unendurable.

It is difficult to say just what should be undertaken in this direction, for there is little precedent in architectural control under usual circumstances. In the first place it may be said that architects, landscape architects, land developers, future residents and everyone concerned with the up-building of a community should be trained in this regard to think first of all of the total result and to make each successive building take its place in the scene already existing. There is no length to which the company should not go to thoroughly establish this point of view in the minds of the incoming residents. Almost universally it will be found people have no other idea than that of the appearance of their own individual property. Their attention has never been called to the importance of a harmonious result in the community as a whole. Only in certain older sections of the country where good taste has restrained people from building houses of striking individuality has there been the least consideration for community results. But it is the community results, the harmony through unity that binds all the buildings together into a single picture that must be the first consideration.

After thoroughly familiarizing people with this idea certain restrictions or specifications will be less regarded as curtailment of personal property. A landscape architect may offer a general

motive or scheme in accordance with which the houses should be built. Certain colors, roof-pitches, types of windows or styles of architecture may be prescribed for a certain section. Residents should be given the widest possible range in the selection of a plan but it should be made clear that their own starting point and that of their architect must have relation to the community result and what precedes them in the neighborhood. Really good designs may be seldom obtained but it is possible to eliminate objectionable features and the clashing discords that make bedlam of our suburbs.

The reservation of sights for public buildings and the planning in the case of large subdivisions of community centers is a point at the heart of the whole problem of social organization. Until we have neighborhood centers that adequately serve the needs of the surrounding inhabitants in a religious, political and recreational sense, we will be a nation of precarious stability and uncertain effectiveness.—“Realty.”

## CREDIT NOW AVAILABLE FOR BUILDING, SAYS GLASS

Country Under Impression War Bans Still Exist—Treasury Heads Urge Construction Boom

No valid reason now exists “why sufficient credit should not be made available for useful building operations,” said Secretary Glass.

“The impression seems to exist,” he said, “that policies initiated during the war by Secretary McAdoo and by the Federal Reserve Board for the conservation of credit are still fully effective and are responsible for inactivity in the building trade. The activities of the country have undergone a great change since the signing of the armistice, and many industries which are engaged in the production of war material and for which credits were essential are now directing their energies to other lines more nearly related to the normal activities of peace. Consequently many of the policies which were adopted to meet war needs are now out of date.”

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If nobody knows who you are, or what you have to offer, you do no business, and the world is the loser through giving you absent treatment.

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Portland Cement, Sand or Gravel by carload. Consult DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



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Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

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Warren-Knight Co.....136 N. 12th st., Phila.  
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## Brick (Face, Etc.).

O. W. Ketcham.....Builders' Exchange, Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

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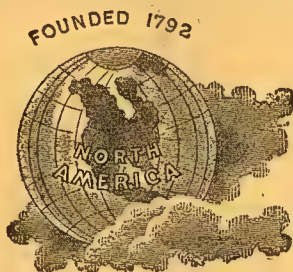


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| Reserve for Taxes      | - | 950,000.00             |
| Reserve for Sundries   | - | 160,000.00             |
| Surplus                | - | 8,317,502.26           |
| <b>TOTAL</b>           |   | <b>\$28,477,242.66</b> |

|                                |   |                  |
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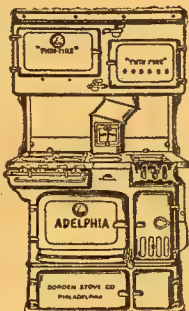
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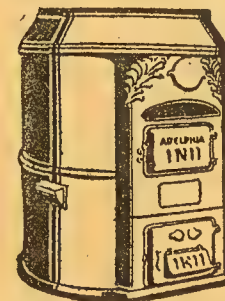
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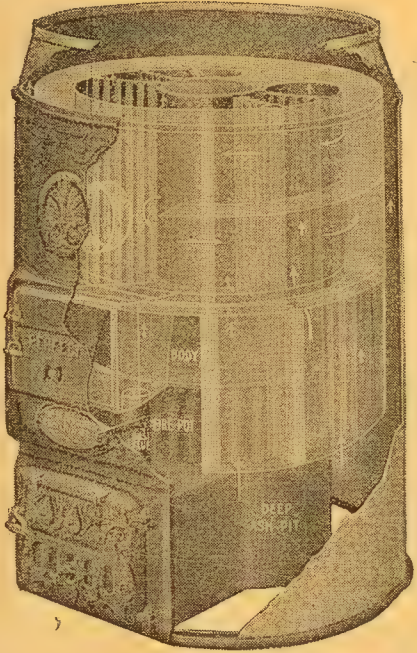
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 10  
March 5, 1919

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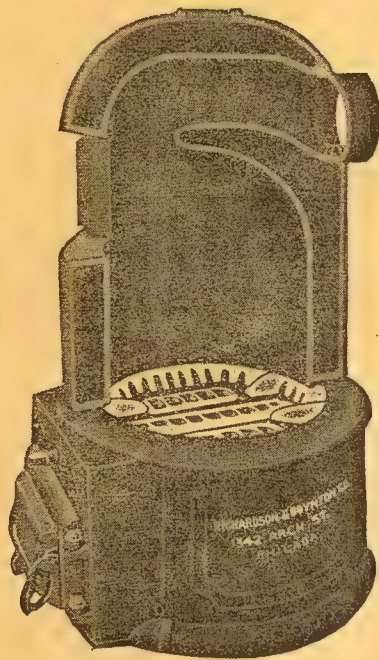
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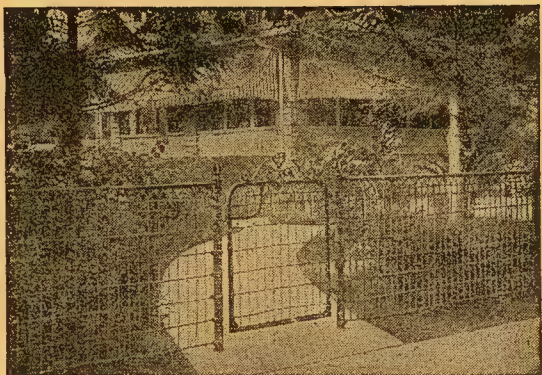
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**225 COMMONWEALTH BUILDING**

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one continuous  
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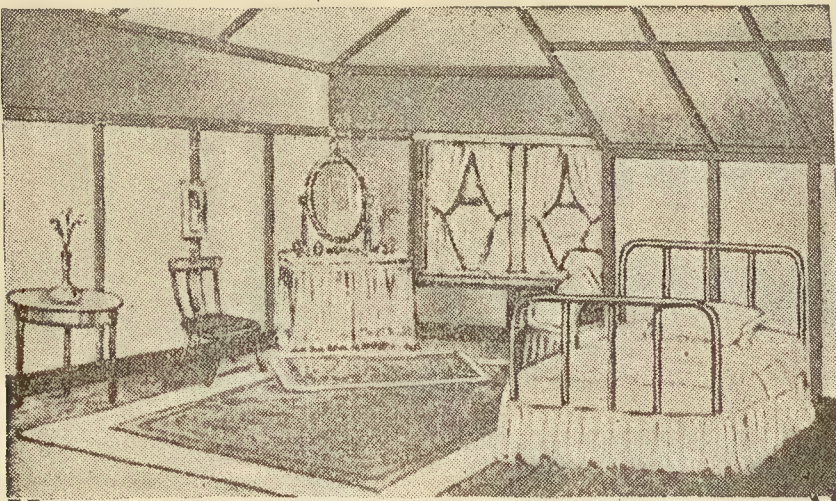


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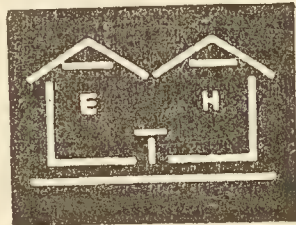
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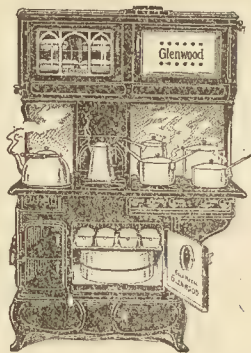
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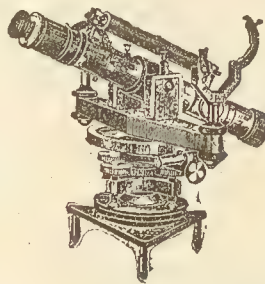
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 10

PHILADELPHIA  
March 5, 1919

## BUILDERS' GUIDE

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## As The Editor Sees It



AS a part of the "Own Your Home" campaign inaugurated in this country,

The first "Own Your Home" Exposition ever planned in the world will be held during the week of April 21-26, 1919, at the First Regiment Armory, Philadelphia, under the auspices of the Philadelphia Real Estate Board. The exhibits will include everything that enters into the building and furnishing of a home from the cellar to the roof.

Ernest H. Crowhurst, who has been appointed General Manager of the Exposition, has taken up his headquarters at the Real Estate Board's building, 1126 Walnut Street, Philadelphia, where he is receiving applications for exhibition space. A wide variety of interests are already represented in the booths which have been reserved. These include operative builders who will show miniatures of some of their best houses; heater, range, stove and heating appliance men; paints and painters; wall papers; big house furnishing houses; makers and dealers in sanitary wares; plumbing materials; tools of all kinds used in house building; hardwood and mineral floors; electric supplies; gas supplies and appliances; lumber and lumber supplies; trimmings of all kinds; floor coverings; draperies; pictures; shrubs, trees, flowers and grass seeds; ornamental iron work; pianos; talking machines; fire insurance companies; trust and title insurance companies; interior and exterior photographers, and a host of other enterprises

all connected with home building and home making.

The armory is the best situated building in Philadelphia for such purposes. It is at Broad and Callowhill Streets, within 200 yards of City Hall and in the center of the business district. Admission is to be free and it is expected that between 100,000 and 150,000 people, all vitally interested in exhibits, will pass through the doors during the week.

The exposition will be the central feature of the great "Own Your Home" campaign which all the allied business interests in Philadelphia, including the Real Estate Board, are to conduct. Thousands of dollars are to be spent in a whirlwind advertising campaign and the exposition will greatly benefit from this. The exposition building will be the headquarters of the "Own Your Home" campaign committee during the week of April 21-26, when the advertising campaign will reach its climax.

The armory contains 24,000 square feet of exhibition space. Mr. Crowhurst, who has conducted expositions in New York and this city, was chosen as general manager because of his expert knowledge in this connection.

Judging from the manner in which applications for space are being received by him at the Real Estate Board building, 1126 Walnut Street, this will be the largest and most interesting exposition of any kind ever held in this city. So many lines of business figure in the building and furnishing of a "home" that the va-

riety of the exhibits will be so great as in themselves to form one of the most attractive features of the campaign.

\* \* \*

HIGH freight rates and the great difficulty experienced in securing transportation facilities at any price, have been contributory causes to the tardiness in the resumption of building.

In hopes of alleviating these conditions, E. Guy Sutton of Indianapolis, Ind., Secretary of the National Association of Sand and Gravel Producers, and Geo. J. Nattkemper, of Terre Haute, Ind., have been in Washington for several days endeavoring to get the Railroad Administration to reduce freight rates on sand, gravel, crushed stone and slag. This action, they assert, will be beneficial to the building industry throughout the country and immediately will assist in the acceleration of building and construction activities, so much desired by the Department of Labor.

These two representatives of the sand and gravel interests have appealed to F. T. Miller of the Division of Public Works and Construction Development of the U. S. Department of Labor, asking that he interest himself in the freight rate situation. In presenting the situation to the Division, Mr. Sutton made the following statement:

"There are thousands of idle open-top railroad cars in the country today. To utilize these cars is to increase railroad

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revenues. They can be utilized by the sand, gravel, crushed stone and slag producers if the prohibitive freight rates put in effect during the war are revised.

"The reasons for promoting and stimulating improvement work of all kinds advocated by the various departments of the Government and sanctioned by the President are apparent and in general are as follows:

1. To stabilize labor by providing employment for demobilized soldiers and workmen released from war activities.

2. To tide over the period of readjustment during which time industrial and commercial conditions must be restored to a peace basis.

3. To bring up to a normal state of development the following work deferred because of the demands for and transportation of materials of war.

- (a) Highways.

- (b) Public Buildings.

- (c) Private Buildings.

- (d) Railroad repairs and extensions.

"Regardless of the evident need for carrying on improvement work with the greatest possible dispatch, the hastening of construction work is being discouraged throughout the country. In analyzing the situation it is found that the reason for delay is the question of cost involving the items of labor, materials and transportation. All of these factors of cost are high at this time and in consequence thereof building work that would otherwise proceed in being put off in the hope that the cost will sharply decline so that appropriation and funds now available may be used for work already projected.

"It will be conceded without argument that wages should not be radically decreased during the existing state of affairs. Moreover, a sharp decline in the price of materials likewise would bring disaster. It appears, therefore, that the only source of relief lies in the reduction of transportation charges applying on basic building materials.

"In this connection it is well to point out that, in consequence of the provisions of General Order No. 28, taking into consideration the disposition of fractions, sand, gravel, crushed stone and slag bore a much greater increase than other commodities, inasmuch as instead of 25%, the advance amounted to from 25% to 150%. It is assumed that the high rate of increase was placed upon these materials in order to discourage the production and transportation of such materials and to act as a means of curtailing construction work in general during the war period. In view of the reverse conditions now obtaining, it

would appear that this form of restraint on building activities might be removed along with other restrictions released by the various war agencies.

"Moreover, the freight rates applying on sand, gravel, crushed stone and slag are too high to permit a free movement of these materials and thus the railroads will lose a large volume of traffic that otherwise would be offered; with a consequent decrease in revenue while at the same time the output of plants engaged in the production of these materials will be greatly reduced by the development of local pits and quarries from which low grade materials are obtained suitable only for inferior work resulting in enormous investment losses by industries already established.

"On account of the decreased demand for coal due to the cessation of war work and the prevailing mild weather, there is at this time on every railroad in the country a surplus of open-top cars. This surplus will increase as the season of maximum construction approaches unless the movement of other commodities suitable for shipment in the open-top equipment is provided for. A car surplus likewise means a reduction in the number of men employed by the railroads, thereby further complicating the labor situation.

"To recapitulate, a reduction in freight rates applying on sand, gravel, crushed stone and slag will accomplish the following results:

1. Stimulate and hasten the promotion of improvement work, thus giving employment for the increasing number of idle laborers.

2. Increase the revenue of the railroads.

3. Provide for use of the great surplus of open-top cars.

4. Permit deferred construction work to proceed without further delay.

5. Remove the discriminating character of General Order No. 28.

6. Encourage the development of permanent wealth which will aid in paying the heavy taxes imposed by the war.

7. Place in circulation idle capital, which will help in floating the next bond issue.

8. Give the building trades, including contractors and producers of building materials, a chance to recuperate some of the losses sustained by the necessary restrictions placed in construction during the war.

"In view of the circumstances and conditions which we have related, we earnestly appeal for a modification of General Order No. 28, to apply on sand, gravel, crushed stone and slag, so as to

allow the movement of a large volume of such materials, to the end that the foregoing objects may be accomplished.

"With the building season now at hand, the matter is imminent and we urge the prudence of immediate and favorable action."

\* \* \*

Inventory of Building Materials by Construction Division of the Army, from the Office of the Director of Sales, War Department.

Some time ago all construction projects of the War Department were directed to send in inventories of materials and equipment which were surplus and, consequently, available for sale or transfer.

These inventories as of December 31st, have been submitted to the Chief of Construction Division of the Army and compiled into general classifications. They are divided into the following main groups:

Lumber, Plumbing and Heating, Electrical Material and Equipment, Cement, Wallboard, Millwork, Roofing, Screening, etc., Miscellaneous Building Material, Steel, Nails, Bolts, Nuts and Washers, Building Hardware, Paints and Oils, Railroad Material, Paving Material, Piling and Poles, Raw Materials, Fencing, Belting, Cable, etc., Chain, Dynamite Caps, etc., Fuel, Hose, Harness, etc., Lanterns, Flashlights, etc., Rope and Miscellaneous.

The total cost to the Government of the above materials is approximately \$12,000,000.

In addition to the above there is approximately \$3,500,000 of Construction Equipment, Office Equipment, Small Tools, etc.

Great quantities of the above material are being consumed inside the War Department, the Construction Division alone having made, since December 31st, 800 transfers of materials which were declared surplus at one project or another, transferring it to some project where work was being completed. Approximately \$2,000,000 of building material has been absorbed in this manner, and the transfers continue speedily.

The War Department is making no purchases where material can be obtained from some other project. The largest single item on the above summary is lumber, representing approximately one-half the total. A contract for this has been made with the producers and same will be distributed to the market at market prices.

Inasmuch as the Construction Division probably has 90% of all building materials in the War Department, it will readily be seen that there is no cause for anxiety on the part of the public with

(Continued on Page 124.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; \*LAST DAYS FOR FILING BIDS; FIRMS FIGURING;  
CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Residence**, Crefeld st., Chestnut Hill, Philadelphia. Architect, Frank A. Rommell, 1524 Chestnut st., Philadelphia. Owner, C. C. Tutwiler, Real Estate Trust Building, Philadelphia. Stone and brick, 3 stories, 63x47½ feet, wing 28x15 feet, slate roof, brick, cement, canvas and oak floors, stone foundations, warm air heating, electric lighting, tile and marble work, waterproofing (lighting fixtures reserved). Architect taking bids due March 8th. H. H. Burrell, 208 South Quine street; A. R. Raff Cont. Co., 1635 Thompson street; William J. Gruhler Co., 219 East High street; Wolverton & Co., 28 East Willow Grove avenue, and Geo. S. Roth & Son, 230 East Gravers lane, are figuring.

**Hospital Building**, Seventh and Delancey streets, Philadelphia. Architect, C. A. Zeigler, Bailey Building, Philadelphia. Owners, Babies' Hospital of Philadelphia, care of Mr. Davidson, 1713 Walnut street. Brick and stone, fireproof, 7 stories, 41x91 feet, slate and cement roof, stone foundations, steam heating, electric lighting, tile and marble work, rolled steel sash, fireproof doors, cement and composition floors, metal lath, elevators, metal window guards, waterproofing. Architect taking bids due March 12th. Ketcham & McQuade, 1029 Brown street; Robert E. Lamb Co., 843 North Nineteenth street; Wark & Co., 1737 Filbert street, and F. A. Havens Co., 845 North Nineteenth street; George F. Pawling Co., 1434 South Penn Square, additional bidders.

**Store (alts.)**, 5713 Germantown avenue, Philadelphia. Owner, Charles Manzi, on premises. Architect, H. G. Hammer, 808 N. Seventeenth street, Philadelphia. Brick, 3 stories, 18x90 feet, slag roof, yellow pine floors, stone foundations, steam heating, electric lighting, dumbwaiters, rolled steel sash and skylights, metal ceilings. Architect has received bids.

**Residence**, 78 West Washington Lane, Philadelphia. Architect, A. F. Schenck, Real Estate Trust Building, Philadelphia. Owner, John B. Kohler, 105 West Washington Lane, Philadelphia. Stone, 2½ stories, 30x30 feet, slate roof, oak floors, stone foundations, hot water heating, electric lighting, tile and marble work. Architect taking bids due March 10th. William J. Gruhler Co., 219 East High street; Pringle Borthwick, 8018 Germantown avenue; Fred Elvidge & Son, 5522 Germantown avenue; W. John Stevens, Inc., Wyncote, Pa., and Wm. C. Wright, 22 Harvey street, are figuring.

**Residence**, Coulter street, West of Fox street, Germantown. Architect, private plans. Owner, J. Morgan Lister, 5612 Germantown avenue. Brick and stucco, 2½ stories, 21 feet 8 inches x52 feet, slate roof, stone foundations, hot water heating, electric lighting, tile and marble work, iron work. Owner has received bids.

**Stores and Dwellings (2)**, 2819-21 Kensington avenue. Architect, private plans. Owner,

Isador Rosenstein, on premises. Brick, 2 stories, 18½x59 feet and 18½x87 feet, slag roof, oak floors, stone foundations, hot water heating, electric lighting, tile work. Owner taking bids due March 15th. E. E. Hollenback, Inc., 1804 Brandywine street; Harry Brocklehurst, 512 West Norris street; and J. P. Fallon, 449 South Sixtieth street, are figuring.

**Stores and Dwellings (6)**, Sixtieth and Locust streets and Sixtieth and Irving streets, \$94,000. Architect, private plans. Owners, Kenin & Shapiro, 5850 Market street, Philadelphia. Brick, 2 stories, 16 feet 4 inches x65 feet, 19 feet 8 inches x80 feet, and (4) 16x28 feet and 13x43 feet, slag roof, hot water heating, electric lighting. Owners will build.

**Garage**, 6508 North Eleventh street, Oak Lane, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, Louis Buchm, on premises. Stone and brick, 1 story, 23x23 feet, slate roof, concrete floors, Wasco heating, electric lighting, hollow tile, concrete foundations (gasoline storage system reserved). Architects taking bids due March 5th. H. H. Burrell, 206 South Quince street; H. E. Baton, 1713 Sansom street; Frank G. Stewart, 1619 Sansom street; Fred Elvidge & Son, 5522 Germantown avenue, and Wm. J. Gruhler Co., 219 East High street; W. John Stevens, Inc., Wyncote, Pa.; Otis Townsend, Oen City, N. J., are figuring.

**Factory (add.)**, Twenty-third and Sedgley avenue, Philadelphia. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, Tasty Cake Baking Company, on premises. Brick, 2 stories, 30x70 feet and 25x30 feet, slag roof, cement floor, metal lath, hollow metal skylights, fire doors, roof ventilators (heating, electric lighting and plumbing reserved). Architect taking bids due March 7th at noon. J. Sims Wilson Co., 1125 Brown street; Barclay White Co., 1713 Sansom street; Jos. F. Myers, Jr., & Co., 1237 Ridge avenue; R. C. Ballinger Co., 218 North Thirteenth street; John M. Yardley, 1716 Sansom street; I. A. Dunkelberger, 71 East Herman street; Thos. C. Trafford, 1613 Sansom street; Frank E. Wallace, 1220 Chancellor street, and Robert E. Lamb Co., 843 North Nineteenth street, are figuring.

**Garage**, Queen Lane and Schuyler street. Architect, Samuel D. Hawley, 34 South Seventeenth street, Philadelphia. Owner, Charles G. Kirkpatrick, care of architect. Brick and stone, 1 story, 89 feet 9 inches x59½ feet, slag, rubberoid and metal shingle roof, cement floors, steam heating, electric lighting, roof ventilators, iron work (gasoline storage and electric brackets reserved). Architect taking sub-bids and general bids, due March 5th, from Wills-Ludwick Co., 1706 Sansom street; F. Elvidge & Son, 5522 Germantown avenue, and Wm. S. Killislev, 1825 Sansom street.

**Office Building (alt. and add.)**, Unruh street, Tacony, Philadelphia. Architect, A. B. Lacey, 1012 Walnut street, Philadelphia. Owner, Henry Disston & Sons, Tacony, Philadelphia.

Brick, stone and reinforced concrete, 2 stories, 30x36 feet, Barrett roof, cement floors, steam heating, hollow tile, metal lath, rolled steel sash and skylights, fireproof doors, iron stairs, ornamental iron work, roof ventilators, waterproofing, dampproofing, iron stairs, ornamental iron work. Owner taking bids due March 7th. H. E. Baton, 1713 Sansom street, and W. W. Lindsay, Harrison Building, are figuring.

**Garage**, Fifty-ninth street, between Irvine and Dakota streets, \$30,000. Architect, private plans. Owner, A. J. Boylan, 5955 Spruce street, Philadelphia. Brick, 2 stories, 115x100 feet, slag roof, steam heat extension, electric lighting, cement floors. Owner will build.

**Office Building**, Third and Sedgley avenue, \$6,500. Architect, private plans. Owner, Allen Iron & Steel Co., care of W. C. Stoddart, President, on premises. Brick, 2 stories, 55 feet and 26x35 feet, slag roof, cement and yellow pine floors, steam heat, electric light, concrete foundations, plumbing. Owner has received bids.

**Residences (8)**, Wayne avenue, between Springer and Drinker streets, \$56,000. Architect, private plans. Owner, John H. McClatchy, 845 Land Title Building, Philadelphia. Brick, 2 stories, 16x45 feet, slag and slate roof, hot water heating. Owner will build.

**Factory (alt. and add.)**, 2926 West Dauphin street, Philadelphia. Architect, A. E. Gibson, care of Dental Supply Co., 5019 Stiles street. Owner, International Tooth Co., 2926 West Dauphin street, Philadelphia. Brick and reinforced concrete, 26x40 feet, slag roof, concrete foundations, steam heating, electric lighting, concrete floors. Owners have received bids.

**Residence and Garage (alts. and add.)**, 2116 West Venango street, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, A. P. Maloney, on premises. Brick and stone, slate roof, stone foundations, steam heating, electric lighting, cement floors, metal lath, painting and glazing, iron work. Architects have received bids.

**Bulkhead Shed (repairs)**, between Piers 38 and 40, Delaware River, Philadelphia. Architect, private plans. Owner, City of Philadelphia, care of George S. Webster, Director, Bourse Building, Philadelphia. Steel and concrete, slag roof, metal lath, waterproofing, Kinnear rolling steel doors. Owners have received bids.

**Drill Shed**, Thirty-second to Thirty-third and Lancaster avenue, Philadelphia. Architect, Philip H. Johnson, Presser Building, Philadelphia. Owner, Armory of State of Pennsylvania, Adjutant General's Office, Harrisburg, Pa. Brick, concrete and steel, limestone and granite, 282x154 feet, slag and Carey roof, wood block, tan bark, granolithic and cork brick floors, hollow tile, marble and tetrarazzo work, rolled steel sash and skylights, hollow steel doors and frames, waterproofing, iron stairs, ornamental iron work (steam heat-



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ing, electric lighting and plumbing separate bids), (1) electric elevator. Owners taking bids due March 21st. Standard Const. Co., 1713 Sansom street; Wills-Ludwick Co., 1706 Sansom street; Warren-Moore Co., Colonial Trust Building; Thomas Reilly, 1616 Thompson street; H. H. McCloskey, Jr., 1620 Thompson street; Mitchell Bros., 2125 Race street; John N. Gill & Co., Otis Building; Monaghan & Losse, Inc., 3016 Chestnut street; John R.



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**Moving Picture Theatre (alt. and add.),** 2500 Block East Clearfield street. Architect, William A. Hall, care of owner. Owner, William E. Butler, 2353 Clearfield street, Philadelphia. General interior alterations, 1 story, 33x116 feet, steam heating, electric lighting, cement floors, marble work, plastering, painting, ornamental iron work. Owner has received bids.

**Dwellings (10),** Vincent and Oakley streets, \$27,000. Architect, private plans. Owner, Michael Stevens, 916 St. Vincent street. Brick, (6) 3 stories, 14x28 feet and 14x12 feet, and (4) 2 stories, 14x38 feet, slag roof, hot air heating and hot water heating, electric lighting, oak and yellow pine floors, tile work. Owner will build.

**Sales and Service Building,** 818 North Broad street, Philadelphia. Architect, Le Roy B. Rothschild, 1225 Sansom street, Philadelphia. Owners, Hartford Realty Co., 1012 Liberty Building, Philadelphia. Brick and stone, 2 stories front, 1 story rear, 20x100 feet, slag roof, concrete floors, stone foundations, steam heating, electric lighting, tile work, hollow metal skylights, metal bulks. Architect taking bids, due March 7th. Hogg Const. Co., 1634 Sansom street; Austin Co., Bulletin Building; Samuel J. Rea & Son, 1608 Fairmount avenue; D. Henwood, 1509 Wood st.; Wark & Co., 1737 Filbert street, additional bidders.

**Apartment Houses (4) (Stores in Basements),** Overbrook, Philadelphia. Architect, Reuben Beard, Commonwealth Building, Philadelphia. Owner's name withheld. Brick and stone (Indiana limestone), tapestry brick, 3 stories and basement, 16x90 feet (6 rooms and bath apartments), stone foundations, hot water heating, electric lighting, oak floors, slag roof, metal lath, tile and marble work, metal ceilings, brick fire tower. Preliminary plans in progress.

**Garage,** Overbrook, Philadelphia. Architect, Reuben Beard, Commonwealth Building, Philadelphia. Owner's name withheld. Brick and stone, 1 story, 77x40 feet, slag roof, cement floor, steam heating, electric lighting, portable tank, 600 gallons capacity. Preliminary plans in progress.

**Factory,** Third and New streets, Philadelphia. Architects, Wm. Steele & Sons Co., Sixteenth and Parkway, Philadelphia. Owners, H. O. Wilbur & Son, 235 North Third street, Philadelphia. Brick and concrete, 7

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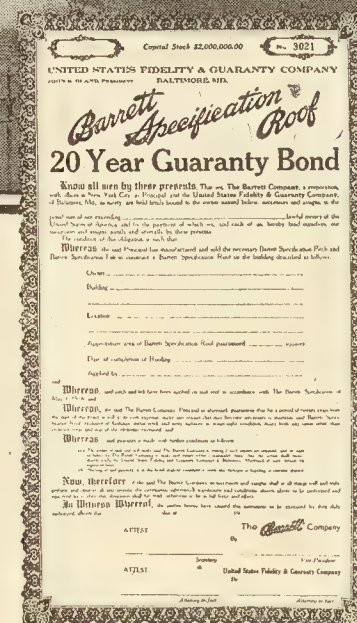
**Second.** That the manufacturer of the roofing materials is thoroughly reliable, and has had long and successful experience in the roofing business.

**Third.** That the roof will positively be trouble-proof and free from maintenance expense for a long period of years.

**Fourth.** That it shall be the most economical roof possible to obtain, not as to first cost, but, what is of greater importance, as to *cost per year of service*.

Because Barrett Specification Roofs meet *all* of these requirements better than any other type of roof, they were selected to cover these great buildings.

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This Surety Bond exempts the owner from all expense for repairs or up-keep on his roof for 20 years. It is issued by the U. S. Fidelity and Guaranty Co. of Baltimore, one of the largest Surety Companies in America. Our only requirements are that The Barrett Specification dated May 1, 1916, shall be strictly followed and that the roofing contractor shall be approved by us and his work subject to our inspection.

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stories, 85x112½ feet, slag roof, reinforced concrete, tile and wood floors, rolled steel sash and skylights, elevators, tin covered doors. Plans completed. Architects ready for sub-bids.

**Column Foundations (68)**, Frankford Elevated, Philadelphia. Architect, private plans. Owners, City of Philadelphia, care of City Transit, Merston Building, Philadelphia. Concrete. Owners taking bids, due March 28th.

**Store and Apartment Building**, 211 South Thirteenth street, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Morris Wenger, 1229 Walnut street, Philadelphia. Brick, stone, steel and concrete, 4 stories. Preliminary plans in progress. Too early for details.

**Caretaker's House**, Fifty-fourth and Bartram avenue, Bartram Garden, Philadelphia. Architect, Joseph A. Roletter, City Hall, Philadelphia. Owners, City of Philadelphia, Bureau of City Property, City Hall. Hollow tile and stucco, 2 stories, 30x30 feet, slate roof, yellow pine floors, stone foundations, hot air heating. Plans completed. Owners will take bids in about one week.

**Towers and Elevators (2)**, Thirty-fourth and Pine streets, Philadelphia. Architect, Philip H. Johnson, 1713 Sansom street, Philadelphia. Owners, Philadelphia General Hospital, care of Department of Health and Charities, 584 City Hall, Philadelphia. Brick, 3 stories, 8x9 feet, 2 elevators, hollow metal sash and skylights. Lowest bidders: M. H. McCloskey, Jr., 1620 Thompson street, \$10,494; Edw. Fay & Son, 2 South Mole street, \$10,600.

**Garage**, 1512 Courtland street, Philadelphia. Architect, private plans. Owner's name withheld. Stone, 1 story, 50x120 feet, slag roof (heating, lighting and plumbing reserved).

Hogg Const Co., 1634 Sansom street, is taking sub-bids, due March 6th.

**Residence and Garage**, St. Martins Lane and Hartwell street, Germantown. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner's name withheld. Brick and hollow tile, 2½ stories, 45x30 feet, wing 20x30 feet; garage, 1 story, 15x21 feet, slate roof, oak and cement floors, hollow tile, metal lath, stone foundations, tile and marble work, waterproofing (heating, plumbing and electrical work reserved). Architect taking revised bids.

**Residence**, Queen Lane Manor, Philadelphia. Architect, Samuel D. Hawley, 34 South Seventeenth street, Philadelphia. Owner's name withheld. General alterations and balcony porch and garage addition. Brick, 2 stories, 16x20 feet, shingle roof, changing partitions. Preliminary plans in progress.

**Cold Storage Rooms and Smoke Houses (add.)**, 4142 Germantown avenue. Architect, C. B. Comstock, 110 West Fortieth street, New York City. Owners, John J. Felin Co., Inc., on premises. Brick, reinforced concrete, steel, fireproof, 2 stories and mezzanine, 39 feet 9 inchesx87 feet, composition roof, cement and tile floors, hollow tile, metal lath, safety treads, roof ventilators, metal ceilings, waterproofing, concrete foundations, slate work, rolled steel sash, fire doors, hollow metal and rolling steel doors, iron stairs, ornamental iron work, wire work (plumbing, heating, electrical work and elevator reserved). Architect taking bids, due March 8th. H. E. Baton, 1713 Sansom street; Cramp & Co., Denckla Building; Wm. Steele & Sons Co., Sixteenth and Parkway; Harry Brocklehurst, 512 West Norris street, and Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

**Store Building (alts.)**, Silver street and Germantown avenue, \$1,850. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner, H. Schindler, 2406 North Front street, Philadelphia. General alterations, flush bulks, marble work, electric light, new partitions. Contract awarded to A. Barsky, 636 Pine street, Philadelphia.

**Red Cross House**, Thirty-fourth and Pine streets, Philadelphia. Architect, private plans. Owners, American Red Cross, Sixteenth and Walnut streets, Philadelphia. Frame, 1 story, 68x90 feet, ready roof, hot water heating, electric wiring, plumbing. Contract awarded to Edw. Fay & Son, 2 South Mole street, Philadelphia.

**Factory**, Northeast Corner Ninth and Parrish streets, Philadelphia, \$30,000. Architect, private plans. Owners, Powers, Weightman & Rosengarten, on premises. Brick, 4 stories, additional and alterations. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia.

**Store and Dwelling**, 704 South street, Philadelphia. Architect, Reuben Beard, 1311 Commonwealth Building, Philadelphia. Owner, J. Biefeld, on premises. Brick, 3 stories, 20x72 feet, slag roof, stone foundations, hot water heating, combination lighting, tile and marble work, flush bulk, metal ceiling. Contract awarded to J. Gorchov, 4116 West Girard avenue, Philadelphia.

**Warehouse**, Torresdale avenue and N street, Philadelphia, \$7,500. Architect, private plans. Owners, Walther Manufacturing Co., on premises. Brick, 1 story, 50x100 feet, slag roof. Contract awarded to Geo. H. Thirsk, Horrocks and Adams streets, Frankford.

**Office and Lodge Room**, 4012-14 Chestnut street, Philadelphia, \$5,000. Architect, private plans. Owner, E. Barrick, 6119 Columbia avenue, Philadelphia. General fire repairs. Contract awarded to 330 North Sixty-third street, Philadelphia.

**Factory (alts. and add.)**, Bodine and Diamond streets, \$3,400. Architect, private plans. Owners, Dugan & Wood, Susquehanna and Bodine street, Philadelphia. Brick, 1 story, 18x67 feet, slag roof, electric lighting. Contract awarded to Jacob Gartner, 2214 North Third street, Philadelphia.

**Boiler House (add.)**, southwest corner of James and Margaret streets, \$4,100. Architect, private plans. Owners, Blumenthal Bros., on premises. Brick, 1 story, 24x38 feet, slag roof. Contract awarded to Rush Bros., 1100 Fillmore street, Philadelphia.

**Manufacturing Building**, northeast corner of Twenty-eighth and Parrish streets, \$4,320.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Store (alts.)**, Northeast Corner Fifty-second and Ludlow streets, Philadelphia, \$3,000. Architect, private plans. Owner, Max Pekin, Southwest Corner Fifty-second and Filbert streets, Philadelphia. Interior alterations changing stairs, flush bulk. Contract awarded to J. D. Fisher, 5424 Thompson street.

**Bank (alts.)**, Northwest Corner German-

town avenue and School Lane, \$3,000. Architect, private plans. Owner, National Bank of Germantown, on premises. New doorways, iron and bronze grille, mosaic floor, marble wainscoting, bank fixtures, electric lighting fixtures, heating extension. Contract awarded to R. M. Peterson & Son, 5114 Germantown avenue.

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Architect, private plans. Owners, Powell Knitting Co., on premises. General interior and exterior alterations. Contract awarded to F. I. Wintz, 1618 North Twenty-seventh street, Philadelphia.

Garage, 6420 Woodbine avenue, \$2,500. Architect, private plans. Owner, John T. Dee, on premises. Stone addition, 2 stories, 18x22 feet, slate roof, electric lighting. Contract awarded to Milton W. Young, Overbrook, Pa.

W. John Stevens, Inc., Wyncote, Pa.; Specht & Sperry, Heed Building, are figuring.

**Double Residences (3)**, Elkins Park, Pa. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owner, Charles T. Walker, Elkins park, Pa. Stone or hollow tile and stucco, 2½ stories, 18x45 feet, slate roof, oak floors, stone foundations, electric lighting, tile and marble work, hollow tile. Owner taking sub-bids.

**Residences (2)**, Merion, Pa., \$13,000 and \$18,000. Architect, Samuel D. Hawley, 34 S. Seventeenth street, Philadelphia. Owner's name withheld. Hollow tile and stucco, 2½ stories, 68x24 feet and 56x24 feet. Double garage, 1 story, 18x24 feet, slate roof, stone foundations, oak, cement and pine floors, hot water heating, electric lighting, tile and marble work. Preliminary plans in progress.

**Nurses' Home**, Pennsylvania. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner's name withheld. Hollow tile and rough cast, 3 stories, 30x60 feet. Preliminary plans in progress. Too early for details.

**Garage and Chauffeur's Quarters**, Latham Park, Pa. Architect, Le Roy K. Rothschild, 1225 Sansom street, Philadelphia. Owner, Geo. Sachsenmaier, 145 North Third street, Philadelphia. Stone and stucco, 2 stories, 30x26 feet, shingle roof, cement and yellow pine floors, stone foundations, steam or hot water heating, electric lighting. Plans about completed. Owner will take bids.

## Pennsylvania Contracts Awarded

**Residence and Garage (alts.)**, Rydal, Pa., \$15,000. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owner, Eugene McGuckin, 105 North Thirteenth street, Philadelphia. Residence alterations, hot water heating, electric lighting, plumbing, tile work, changing barn to garage and servants' quarters, stone and shingle. Contract awarded to H. E. Baton, 1713 Sansom street, Philadelphia.

**Residence (alt.)**, Yardley, Pa. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owner, Harry Whitehead, Trenton, N. J. Remodeling entire building, slate roof, hot water heating, electric lighting, tile work (3 baths), tile porch hollow tile. Contract awarded to Patrick O'Neil, Trenton, N. J.

## PENNSYLVANIA

## Construction News

**Residence and Garage**, Latham Park, Pa., \$35,000. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, name withheld. Stone and stucco, 2½ stories, slate roof, oak floors. Preliminary plans in progress. Too early for details.

**Residence**, Haverford, Pa. Architects, McIlvaine & Roberts, Otis Building, Philadelphia. Owner, Noah H. Swayne, 2d, Pennsylvania Building, Philadelphia. Brick and stone, 2½ stories. Plans in progress.

**Residence**, Glenside, Montgomery County, Pa. Architect, Frank L. Randolph, 34 Chestnut Terrace, Philadelphia: Owner, F. C. Vogan, Glenside, Pa. Clapboard, 2 stories, 26x44 feet, shingle roof, oak floors, stone foundations (heating, plumbing and electric lighting reserved). Architect taking bids. H. H. Burrell, 206 South Quince street; F. B. Davis, 240 North Sixteenth street; Specht & Sperry, Heed Building; Thomas C. Trafford, 1613 Sansom street, and W. John Stevens, Inc., Wyncote, Pa., are figuring.

**Residence and Stable (add.)**, Booth Lane, Haverford, Pa. Architect, A. H. Brockie, Presser Building, Philadelphia. Owner, W. M. Anderson, 600 Schuylkill street, Philadelphia, Pa. Stone, 2½ stories, slag and slate roof, oak floors, metal weather strips, iron work, tile and marble work, electric lighting (heating, plumbing, decorating, screens and lighting fixtures reserved), grading and road building reserved by owner. Architect taking bids due March 6th. H. E. Grau Co., 1707 Sansom street; F. E. Wallace, 1220 Chancellor street; Milton W. Young, Overbrook, Pa.; J. D. Lingle, Wayne, Pa.; H. E. Baton, 1713 Sansom street, and Wm. R. Dougherty, 1610 Sansom street, are figuring.

**Sewage Disposal Plant**, Bristol, Pa. Architect, Wm. H. Boardman, 426 Walnut street, Philadelphia. Owner, Emergency Fleet Corporation, Medical Arts Building, Philadelphia. Reinforced concrete, Imhoff tanks and S. beds. Owners have received bids.

**Bungalow**, Chester, Pa. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, Charles S. McCoy, Chester, Pa. Brick and hollow tile, 1½ stories, 38x40 feet, asbestos shingle roof, concrete foundations, oak and yellow pine floors, tile work, electric lighting. Plans in progress. Architect will be ready for bids in two weeks.

**School**, Palmerton, Pa. Architect, Charles H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Palmerton School Board, care of W. M. Krewgon, secretary, Palmerton, Pa. Brick, 1 story, 150x80 feet, slate roof, stone foundations, steam heating, electric lighting, maple floors. Architect taking bids, due March 14th. M. H. McCloskey, Jr., 1620 Thompson street, and Wm. Linker Co., 831 Cherry street, Philadelphia; Central Const. Corp., Harrisburg, Pa.; C. W. Strayer, Lemoyne, Pa.; W. J. Elliott, Coatesville, Pa.; A. J. Fink, Reading, Pa.; Nagle Const. Co., Ochs Const. Co., Butz & Clader, and Ritter & Smith, all of Allentown, Pa.; Shamokin Planing Mill Co., Shamokin, Pa.; Andrew Breslin, Summit Hill, Pa., are figuring.

**Residence**, Manoa, Pa. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner's name withheld. Stone and stucco, 2½ stories, 26x35 feet, shingle roof, oak floors, hot air heating, electric lighting, tile and marble work. Plans completed. Architect will take bids in a few days.

**Garage (alts.)**, Ashbourne Road, Elkins Park, Pa. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, Charles Silverman, Elkins Park, Pa. Stone, 2 stories, 36x24 feet, slate roof, plumbing, heating and electric lighting, plank floors. Plans completed. Architect will take bids in a few days.

**Residence**, Willow Grove, Pa. Architect, private plans. Owner, Vincent Saluditti, Willow Grove, Pa. Stone and brick, 2½ stories, 26x30 feet, slate roof, hot air heating, electric lighting. Owner taking bids, due March 6th.

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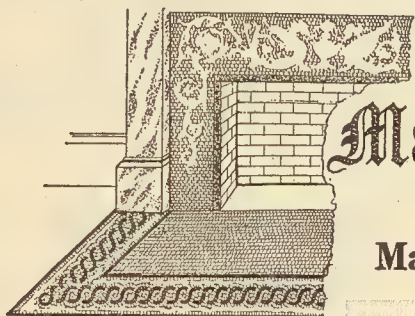
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Garage (alts.), Radnor, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Isaac H. Clothier, Jr., Radnor, Pa. Stone, 1 story addition, shingle roof,

cement floor, heating and lighting extensions. Contract awarded to Milton W. Young, Overbrook, Pa.

## NEW JERSEY Construction News

**Weave Shed**, Trenton, N. J. Architects, Wm. Steele & Sons Co., Sixteenth and Parkway, Philadelphia. Owners, Trenton Weave Co., Trenton, N. J. Brick and concrete, 1 story, 300x200 feet, slag roof, cement floors, rolled steel sash and skylights. Plans completed. Architects ready for sub-bids.

**Church**, Salem, N. J. Architects, Custer & Gill, Third and Market streets, Camden, N. J. Owners, Methodist Episcopal Church, Salem, N. J. Hollow tile, 1 story and basement, 60x50 feet, asbestos roof, steam heating, electric lighting. Plans in progress. Will be ready for bids in two weeks.

**Office Building**, Arch, Federal and Sixth streets, Camden, N. J. Architect, Joshua C. Jefferies, 1001 Chestnut street, Philadelphia. Owner, Raymond L. Warren, 522 Market st., Camden, N. J. Brick work and glass, 3 stories, 20x51x8 feet, slag roof, hot water heating, electric lighting, mill work, structural steel, sheet metal (lighting, heating and plumbing

reserved). Architect is taking sub-bids.

**Memorial Monument**, Burlington, N. J. Architect, H. A. Brown, First National Bank Building, Trenton, N. J. Owners, City of Burlington, care of C. G. Holmes, chairman Building Committee, Burlington, N. J. Marble or granite. Work contemplated.

**House (alts.)**, Burlington, N. J., \$4,000. Architect, H. A. Brown, First National Bank Building, Trenton, N. J. Owner, George W. Slack, Burlington, N. J. Frame, interior and exterior alterations, new heating and plumbing, hardwood floors, wire work. Plans in progress.

**Garage and Show Room**, East State street, Trenton, N. J. Architect, Wm. Kleman, First National Bank Building, Trenton, N. J. Owner, O. Moon, Trenton Times Building, Trenton, N. J. Stone and brick, 2 stories, 50x100 feet, slag roof, steam heating, electric lighting, tile floors. Plans in progress. Architect will be ready for bids in one week.

## NEW JERSEY Contracts Awarded

**Garage**, 912 Division street, Trenton, N. J., \$3,200. Architect, private plans. Owners, Urken & Kohn, on premises. Concrete and cement block, 2 stories, 22x75 feet, slag roof, concrete floors. Contract awarded to Stephen Dickneit, Trenton, N. J.

**Store Front (alts.)**, 25 East State street, Trenton, N. J. Architect, private plans. Owners, Applegate & Taylor, on premises. New front, glazing. Contract awarded to Nicholas Seiger & Son, Trenton, N. J.

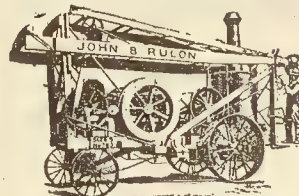
**Garage**, 312 Church street, Trenton, N. J., \$3,273. Architect, private plans. Owner, Wm. E. Green, on premises. Brick, 1 story, 24x37 feet, slag roof, concrete floors, electric light.

Contract awarded to S. W. Mather & Son, Trenton, N. J.

**Piano Salesroom**, Broadway, Camden, N. J., \$12,000. Architect, private plans. Owners, Riggins Piano Co., 400 Haddon avenue, Camden, N. J. Brick, marble and slate, 3 stories, 26x85 feet, slag roof, stone foundation, steam heat, electric light, marble work, hardwood floors, metal ceilings, plate glass. Contract awarded to Mockett Const. Co., 528 Broadway, Camden, N. J.

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## Delaware Construction News

**Machine Shop**, Eleventh and Orange streets, Wilmington, Del. Architects, Brown & White-side, Inc., Dupont Building, Wilmington, Del. Owners, Central Realty Co., C. L. Ward, 901 Market street, Wilmington, Del. Brick, terra cotta and steel, 2 stories, 60x100 and 40x90 feet, composition roof, steam heating, electric lighting. Architects have received bids.

**Residence (alts.)**, Claymont, Del. Architect, R. C. Tindall, 914 Orange street, Wilmington, Del. Owner, Raymond Regsity, 904 Shipley street, Wilmington, Del. Stone, 2½ stories, 30x70 feet hardwood floors, tile work, interior and exterior alterations. Architect is taking sub-bids.

**Residence**, Wilmington, Del. Architect, E. L. Rice, 815 Market street, Wilmington, Del. Owner's name withheld. Brick, 2 stories, 27x41 feet, asbestos roof, pine floors, stone foundations, hot water heating, combination lighting, tile and marble work. Plans in progress. Architect will take bids in about one week.

**Leather Factory**, Unit No. 2, Wilmington, Del. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Standard Kid Co., on premises. Brick, 4 stories, 40x90 feet, slag roof, steel sash, plank floors, electric lighting, elevators. Contract awarded to J. L. Bader Co., Wilmington, Del.

## Miscellaneous Construction News

**Seamen Gunners' Building**, Naval Academy, Annapolis, Md., Spec. 3760. Architect, J. H. de Sibour, Hibbs Building, Washington, D. C. Owners, U. S. Government, care of C. W. Parks, Chief, Navy Department, Washington, D. C. Stone and granite, 4 stories, 323x64 feet, 8 inches. Corridor, 57x12 feet. Hollow tile, fire doors, slate, tile and slag roof, steam heating, electric lighting, electric elevators, steel and iron work, ornamental iron work, fire escapes, bronze metal doors, galvanized iron work, metal ceilings, skylights, roof ventilators, vault lights, reinforced concrete, fireproofing, painting, plumbing, interior tile, marble, slate and terrazzo work, composition floors, hardwood floors, dumbwaiters, vacuum cleaning system, refrigerators. Owners taking bids. Cramp & Co., Denckla Building; Warren-Moore Co., Colonial Trust Building; Irwin & Leighton, 126 North Twelfth street; M. H. McCloskey, Jr., 1620 Thompson street; William Steele & Sons Co., Inc., Sixteenth and Parkway; Thos. Reilly, 1616 Thompson street; Hughes-Foulkrod Co., Commonwealth Building; George F. Pawling Co., 1432 South Penn Square, are figuring. Bids due March 17th.

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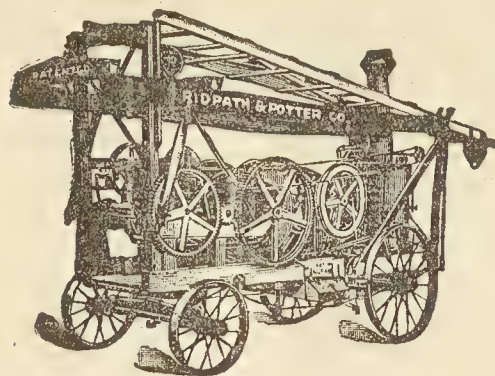
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## Maryland Construction News

**Dwellings (9)**, 3001-17 Presbury street, Baltimore, Md., \$20,000. Architect, private plans. Owner, Philip S. Morgan, 12 East Lexington street, Baltimore. Brick, 2 stories, tin or slag roof, hot water or hot air heating, electric lighting, hollow metal skylights, plumbing, painting, plastering. Owner will build and is ready for sub-bids.

**Apartments**, Eutaw Place and Brooks Lane, Baltimore, Md. Architect, Geo. R. Callis, Jr., Melvin avenue, Catonsville, Md. Owner, Israel Silberstein, Equitable Building, Baltimore. Brick, steel and concrete, 5 stories, 41x122 feet, slag or tile roof, electric lighting, tile and terrazzo work, steam heating, electric elevator. Plans in progress.

**Amshouse**, Texas, Md. Architect, Wm. H. Emory, 835 Munsey Building, Baltimore, Md. Owners, Baltimore County Commissioners, Towson, Md. Preliminary sketches being drawn. Work contemplated.

**Bank**, Aberdeen, Md., \$45,000. Architects, Smith & May, Calvert Building, Baltimore. Owners, First National Bank, care of D. R. Jamison, Aberdeen, Md. Brick and steel, granite and marble, 1 story, 75x50 feet, concrete foundations, marble floors and counter, steam heating, electric lighting. Plans about completed. Will take bids in two weeks.

**Ban**, Glenburnie, Md., \$12,000. Architect, Robert L. Harris, Baltimore, Md. Owners, Glenburnie Bank, care of Eastern Shore Trust Co., Philip Morgan, cashier, Glenburnie, Md. Brick, 1 story, 42x36 feet, slate roof, steel doors, steam heating, electric lighting, hollow tile, bank fixtures. Plans completed. Architect ready for bids.

**Store and Warehouse**, East Lexington street, Baltimore, Md. Architect, F. J. Beall, 1335 N. Gilmore street, Baltimore, Md. Owner's name withheld. Brick, steel and stucco, 3 stories, 30x30 feet, slag roof, steam heating, electric lighting, fire escapes, hollow metal skylights, roof ventilators, fireproofing, hollow tile, plastering, plumbing, tile, slate and terrazzo work. Plans in progress.

**Apartment House**, 700 South Broadway, Baltimore, Md. Architect, George R. Callis, Jr., Melvin avenue, Catonsville, Md. Owner, Louis Mazor, 421 South Broadway, Baltimore, Md. Brick, 3 stories, 21x81 feet, tin roof, steam heating, electric lighting, hollow metal skylights, roof ventilators, terrazzo work, dumbwaiters, plumbing, painting, plastering. Owner is taking bids.

## Maryland Contracts Awarded

**Building (alts. to Printing Plant)**, 417-19 East Lombard street, \$8,000. Architect, private plans. Owners, H. Gamse & Bro., Saratoga and Courtland streets, Baltimore. General renovation of present building to printing plant. Contract awarded to the McIver Const. Co., Fidelity Building, Baltimore.

**Bulhead, Machine Shop, etc.**, Colgate Creek, Md., \$100,000. Engineer, private plans. Owners, Raymond Concrete Pile Co., Munsey Building, Baltimore. Brick, concrete and steel, concrete piles, 1 story, concrete and slag roof, steam heating, electric lighting, metal doors, hollow metal skylights, roof ventilators, plumbing, painting. Owners will build.

**Dwellings (9)**, Oakenshawe and University Parkway, Baltimore, Md. Architects, Flournoy & Flournoy, Law Building, Baltimore, Md. Owner, P. C. Mueller Building, Gunther Building, Baltimore, Md. Brick, 2½ stories, marble trim, slate and tile roof, hot water heating, electric lighting, hollow metal skylights, ventilators, plastering, plumbing, tile and terrazzo work, hardwood floors, vacuum cleaning system, refrigerators. Owners taking sub-bids.

**Dwellings (8)**, 3513-27 Newland avenue, \$30,000. Architect, private plans. Owner, A. G. Lawrence, 1421 North Charles street, Baltimore, Md. Brick, 2½ stories, 22x33 feet, hot water heating, shingle roof, electric lighting. Owner will build.

**Dance Hall and Laundry**, Havre de Grace, Md., \$18,000. Architect, W. O. Sparklin, Fidelity Building, Baltimore, Md. Owner, F. Milton Carroll, Havre de Grace, Md. Brick, 2 stories, 60x80 feet, slag roof, cement and hardwood floors, electric lighting. Contract awarded to McIver Const. Co., Fidelity Building, Baltimore, Md.

## Proposals

### INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 28, 1919.—Sealed Proposals will be opened in this office at 3 P. M. March 21, 1919, for changes in the United States post office at Akron, Ohio. Drawings and specifications may be obtained from the Custodian or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

The "Guide" is published weekly. It comes to your office fifty-two times in a year for five dollars.

## Permits for New Buildings

Garage, northwest corner of Twenty-first and Carpenter streets, \$550. M. Wallace (O), on premises. Philip Goodman (C), 2540 South Third street. Brick, 1 story, 14x17 feet.

Garage, 522-532 North Third street, \$19,750. Northern Liberty Realty Co. (O), Land Title Building. D. A. McClelland (C), Baring st. Brick, 1 story, 100x105 feet.

Garage, Fifty-fifth street, north of Whitby avenue, \$350. G. Priestly (O and C), 5501 Whitby avenue. Brick, 1 story, 9x12 feet.

Stores (4) and Dwelling, east side of Sixtieth street, south of Locust street, \$14,000 each. Kenin & Shapiro (O and C), 5850 Market street. Brick, 2 stories, 16x28 feet.

Dwelling, Sixtieth and Irving streets, \$18,000. Kenin & Shapiro (O and C), 5850 Market street. Brick, 2 stories, 16x65 feet, slag roof, hot water.

Dwelling, Sixtieth and Locust streets, \$20,000. Kenin & Shapiro (O and C), 5850 Market street. Brick, 3 stories, 19x80 feet, slag roof.

Tool and Locker Building, Thirtieth and N. Race streets. Pennsylvania R. R. Co. (O). Wm. Steel & Son Co. (C). Brick, 2 stories, 48x29 feet, slag roof.

Office, west side of Thirtieth street, north of Race street, \$12,000. Pennsylvania R. R. Co. (O). Wm. Steel & Son Co. (C), 1600 Arch street. Brick, 2 stories, 48x38 feet, slag roof.

Round House, south side of Parkside avenue, west of Forty-eighth street, \$85,000. Pennsylvania R. R. Co. (O). Wm. Steel & Son Co. (C), 1600 Arch street. Brick, 1 story extension, 468x24 feet, 1 story. Tool house, 12x35 feet and 10x23 feet, slag roof.

Dwellings (8), east side of Wayne avenue, between Springer and Drinker streets, \$56,000. J. H. McClatchey (O), 845 Land Title Building. Brick, 2 stories, 16x45 feet, slag roof, hot water heating.

Boat House, State Road and Avendell, \$500. T. H. Davenport (O and C), State Road, Tow-ersdale. Frame, 2 stories, 14x18 feet.

Garage, 2332 Orthodox street, \$500. Peter Zelezowski (O), on premises. A. H. Nov-govski (C), 2416 Orthodox street. Brick, 1 story, 16x20 feet.

Garage, 625 West Clearfield street, \$600. George Marshall (O), on premises. Andrew Newman (C), 3115 North Seventh street. Brick, 1 story, 9x15 feet.

Shop, Thirty-third, south of Ludlow street, \$5,400. Kay R. Peters (O), 3202 Chestnut street. B. F. Hall (C), 2021 South Bancroft street. Brick, 1 story, 157x43 feet and 104x43 feet.

Dwellings (4), west side of Oakley street, south of St. Vincent, \$9,000. Michael Stevens (O and C), 926 St. Vincent street. Brick, 2 stories, 14x38 feet, slag roof.

Our specialty is Portland Cement that will stick and pass the City Department. **DAVID FRANCE CO.**, Tasker Street Wharf, Delaware River, Philadelphia.



Dwellings (6), north side of St. Vincent, east of Oakley street. M. Stevens (O and C), 619 St. Vincent street. Brick, 3 stories, 14x28 feet, 2 stories, 14x12 feet.

### Alterations and Additions

Garage (add.), east side of Mutter, south of Cambria street, \$1,000. Charles Essick (O), 2862 Mascher street. Charles Sinn (C), 211 Clarkson avenue. Brick, 1 story, 20x30 feet.

Store and Dwelling (add.), 2641 West Lehigh avenue, \$2,000. C. T. Voigt (O), 2637 West Leigh street. Brick, 1 story, 16x16 feet, 1 story, 3x14 feet.

Store and Dwelling (alts.), 4830 Frankford avenue, \$1,200. Annie L. Heslden (O), on premises. Wm. France Sons, Inc. (C), 4744 Frankford avenue.

Dwelling (add.), 4717 Ambria street, \$300. James Pistilly (O), 4100 New York avenue. K. Duva (C), 4100 New York avenue. Brick, 1 story, 12x12 feet.

Garage (add.), 5935 North Marvine street, \$800. G. Zito (O), 5839 Marvine street. Frank K. Stahl (C), 2713 North Park avenue. Brick, 1 side 20x30 feet, 1 rear 40x20 feet.

Dwelling (alts.), 640 Spruce street, \$3,000. L. Wiser (O and C), on premises.

Dwelling (alts.), 2 bath rooms, 1717 Master street, \$300. J. J. Carlin (O), on premises. J. Karcheff (C), 617 Hoffman street.

Factory (alts.), Howard and Palmer streets, \$3,000. Northeast corner Howard and Palmer streets. Martin Stotz (O), Land Title Building. H. Kuehnlein (C), 2046 Trenton avenue.

Dwelling (repairs), 4715 Pulaski avenue, \$4,000. Dr. J. T. Krauskopf (O), on premises. D. W. Sperry (C), Heed Building.

Storage (add.), 3731 Walnut street, \$10,000. A. K. Jerrihian (O), 1609 Sansom street. Thos. C. Trafford (C), 2623 Sansom street. Brick, 2 stories, 50x41 feet, 50x24 feet, slag roof.

Store (repairs), 2526 Kensington avenue, \$550. Schempp Bros. (O), 2514 Kensington avenue. C. Schandelmyer (C), 3042 Salmon street.

Dwelling (repairs), 2259 North Cleveland avenue, \$550. Charles McGenty (O), 2204 E. Dauphin street. Joseph Rollison (C), 2767 Coral street.

Store and Dwelling (add.), 34 South Sixtieth street, \$650. Henry Finsy (O), 34 South Sixtieth street. Otto Malz Son (C), 2108 Lawrence street. Brick, 2 stories, 16x16 feet.

Auto Sales Shop and Office (add.), southeast corner of Forty-second and Chestnut streets, \$25,000. Phila. R. T. Co. (O), 812 Dauphin street. LeRoy K. Smith (C), Forty-first and Chester avenue. One story front, 23x65 feet; 1 story rear, 52x201 feet.

Garage (add.), 340 North Jadson street, \$2,100. G. Kazenwadel (O), on premises. M. Morster & Co. (C), 3931 North Fifth street. One-story addition, 27x40 feet.

Shop (add.), Farrells Lane and Woodland avenue, \$5,000. W. H. Tinney (O), on premises. M. H. McCloskey, Jr. (C), 1620 Thompson street.

Garage and Store (add.), 1301 North Fifty-first street, \$650. Rose DeSimone (O), 4999 Thompson street. Dominic Canito (C), 319 North Sixty-fourth street. Brick, 1 story, 16x18 feet.

Auto Show Room (alts.), 238 North Broad street, \$1,000. S. Gorson (O and C), on premises.

Store and Dwelling (alts.), 2726 Germantown avenue, \$1,850. Henry Schindler (O),

2406 North Front street. A. Barsky (C), 636 Pine street.

Store (alts.), Fifty-second and Ludlow sts., \$3,000. M. Pekin (OO), Fifty-second and Filbert streets. J. D. Fisher (C), 5424 Thompson street.

Store and Dwelling (alts.), 147 South Sixtieth street. A. Books (O), on premises. A. Gorelick (C).

Dwelling (add.), 1138 Mercy street, \$350. Toney Carreri (O), on premises. A. Pile (C), 1209 South Thirteenth street. Brick, 2 stories, 8x10 feet.

Mill (alts.), 1528 Greeingham street, \$500. J. W. R. Harding (O), 1528 Gillingham st. W. E. S. Dyer (C), Land Title Building.

Store (alts.), 822 Chestnut street, \$3,000. P. Ingento (O and C), 820 Christian street.

Elevator Shaft, 645 North Broad street, \$5,000. Kahn & Greenberg (O), Morris Building. P. H. Kelly (C), Terminal Building. Brick, 2 stories.

Dwelling (alts.), 4204 Walnut street, \$3,500. W. J. Jones (O), 215 South Fifty-first street. H. L. Brown (C), 1714 Sansom street. Interior and exterior alterations.

Factory (add.), Ninth and Parrish streets, \$30,000. Powers, Weightman & Rosengarten (O), on premises. R. C. Ballinger Co. (C), 218 North Thirteenth street.

Shooting Gallery, Ford Road and East Monument avenue, \$1,000. Woodside Transit Co. (O), on premises. E. T. Bender (C), 6014 Torresdale avenue. Frame, 1 story, 25x40 feet.

Store and Dwelling, \$2,500. Jacob Davis (O). M. Cylinder Co. (C), 521 Mifflin street. Brick, 1 story, 16x4 feet.

Store, 516 East Girard avenue, \$600. Lewis Dickel (O), on premises. S. S. Sanders (C), 519 Richmond street.

Garage, 3222 West Penn street, \$900. John Grimm, Jr. (O), on premises. M. S. Oberholtzer (C), 5524 Pulaski avenue. Brick, 1 story, 13x21 feet.

Store and Dwelling, 4041 Market street, \$1,200. Charles Brooks (O), 5928 Market st. R. Weiner (C), 5928 Market street.

Store and Dwelling (alts. and add.), 112 South Eighteenth street, \$1,700. G. F. Werner (O), Penfield Building. Otto Malz & Son (C), 2108 Lawrence street. Brick, 1 story, 16x7 feet.

Stables (add), 2326 Callowhill street, \$500. J. J. Lynch (O), 2227 Vine street. J. J. Morris (C), 5909 Haverford avenue. Brick, 1 story, 15x19 feet, slag roof.

Storage, east side of Jasper street, north of Tioga street, \$1,000. Wm. Tentz, Jr. (O and C), 2860 Emerald street. Brick, 1 story, 18x40 feet.

Mystic Maze, south side of Ford Road, east of Monument, \$300. W. H. Higgins (O), 223 North Thirteenth street. B. F. Verdin (C), 2917 Fletcher street.

Dwelling (add.), 1618 Jefferson street, \$1,000. Mrs. G. F. Klemmer (I), on premises. J. F. Grant (C), 1625 North Thirteenth street. Brick, 1 story, 16x10 feet.

Store (alts.), northwest corner of Front and Susquehanna avenue, \$625. Reinheimer (O), on premises. H. Brickelhurst (C), 512 West Norris street.

Office Building, south side of Sedgley, east of Erd street, \$6,500. Allen Iron and Steel Co. (O and C), on premises. Brick, 2 stories, 55x35 feet.

Bank (alts.), northwest corner of Germantown avenue and School Lane, \$3,000. National Bank of Germantown (O), Germantown

avenue. R. M. Peterson & Son (C), 5114 Germantown avenue.

Garage, west side of Fifty-ninth street, Irving to Dakota, \$30,000. A. J. Boylan (O and C), 5955 Spruce street. Brick, 2 stories, 115x100 feet, slag roof, cement floor, steam heat.

### AS THE EDITOR SEES IT.

(Continued from Page 116.)

respect to this surplus. At each of the 476 projects there is a Constructing Quartermaster, who will make sales of his own surplus under general instructions issued from the Director of Sales Office. This means that the majority of this surplus will be absorbed in the particular locality in which it is located.

\* \* \*

The Office of the Director of Sales, War Department, announces the following additional inventories of surplus materials furnished by the Construction Division of the Army:

#### MILL WORK

25,000 Doors.

20,000 Screen Doors.

200,000 Sash.

8,000 Rolls Wire Screen.

Miscellaneous Mill Work.

Approximate cost \$380,000.

It is to be noted that the sash are special, with special sized glass.

#### ELECTRICAL EQUIPMENT

Miscellaneous electrical equipment, exclusive of machinery .....\$200,000

#### PLUMBING, WATER AND SEWER PIPE AND SUPPLIES

8,000 Water Closet Bowls.

2,000 Water Closet Tanks.

375,000 Ft. Sewer Pipe, assorted sizes.

30,000 Ft. Soil Pipe.

175,000 Ft. Wood State Pipe, mostly 8 in. and 10 in.

500,000 Ft. Cast Iron Water Pipe, mostly 8 in. and 10 in.

800,000 Ft. Wrought Iron Water Pipe.

2,000,000 Ft. Galvanized Water Pipe.

600,000 Ft. Unclassified Water Pipe.

Assorted Pipe Fittings, etc.

Approximate cost .....\$1,350,000

#### MISCELLANEOUS BUILDING MATERIALS

Lime ..... \$112,500

Reinforced Steel ..... 180,000

Corrugated Iron ..... 360,000

Nails ..... 370,000

Roofing ..... 300,000

Building Paper ..... 62,500

Railway Equipment, various

wts. Steel Rail ..... 1,200,000

Ties ..... 400,000

Total .....\$2,985,000

Portland Cement, Sand or Gravel by carload. Consult DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Face, Etc.).

O. W. Ketcham.....Builders' Exchange, Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.  
Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.  
Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.  
Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.  
General Fireproofing Co.....832 Arch st., Phila.  
Henry S. Harris.....Land Title Bldg., Phila.  
Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truseon Steel Co....Commonwealth Bldg., Phila.

## Floor Plates.

Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.  
Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Insurance.

Harris J. Latta.....Penna. Bldg., Phila.  
Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Levels.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Light Iron Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lumber.

Wm. Lloyd Co.....29th and Ridge ave., Phila.  
James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.  
Italian Marble Mosaic Co...433 Spruce st., Phila.  
Roman Mosaic and Tile Co..435 Green st., Phila.

## Metal Lath.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.  
General Fireproofing Co.....832 Arch st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truseon Steel Co....Commonwealth Bldg., Phila.

## Metal Lath Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Metal Tiles and Shingles.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Meters.

Philadelphia Meter Co.,  
Real Estate Trust Bldg., Phila.

## Mill Supplies.

The Fairbanks Co.....7th and Arch sts., Phila.

## Paints and Varnishes.

The Barrett Company,  
New York and Philadelphia.  
Felton, Sibley & Co.....136 N. 4th st., Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

## Pipe Fittings and Valves.

The Fairbanks Co.....7th and Arch sts., Phila.

## Plumbing Fixtures.

Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Preservatives (Wood and Concrete).

The Barrett Co.....New York City and Phila.

## Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Refrigerators.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.

## Reinforcing Bars.

Truseon Steel Co....Commonwealth Bldg., Phila.

## Roofing.

The Barrett Co.....New York City and Phila.

## Roofing Tile.

O. W. Ketcham.....Builders' Exchange, Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Roofing Tin.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Roofing Slate.

William Moore Co.....1506 Sansom st., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

## Sewage Disposal.

Harrison, Mertz & Emlen, Inc.,  
Commercial Trust Bldg., Phila.

## Slate.

William Moore Co.....1506 Sansom st., Phila.

## Soundings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Structural Slate.

William Moore Co.....1506 Sansom st., Phila.

## Surety Bonds.

Harris J. Latta.....Penna. Bldg., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Tile and Terrazzo Work.

Belfi Bros. & Co.....1923 Market st., Phila.  
French, Samuel H., & Co.,  
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Roman Mosaic and Tile Co..435 Green st., Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Tiling.

William Moore Co.....1506 Sansom st., Phila.

## Transits.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Ventilators.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Wall Board.

## Ceil Board.

James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Water Paint.

Wm. B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Waterproofing.

The Barrett Co.....New York City and Phila.

## Water Supply.

Harrison, Mertz & Emlen, Inc.,  
Commercial Trust Bldg., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Weather Strip (Metal).

American Metal Weather Strip,  
2118 Diamond st., Phila.

## Wire Work.

Audubon Wire Cloth Co., Inc....Audubon, N. J.

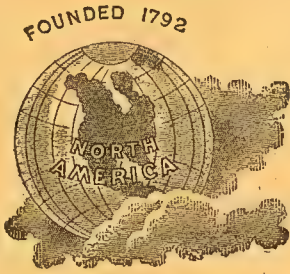


1792

1918

# Insurance Company of NORTH AMERICA

PHILADELPHIA



## 126th Annual Statement

December 31, 1917

|                      |   |   |                 |
|----------------------|---|---|-----------------|
| Cash Capital         | - | - | \$ 4,000,000.00 |
| Reserve for Premiums | - | - | 10,630,740.40   |
| Reserve for Losses   | - | - | 4,419,000.00    |
| Reserve for Taxes    | - | - | 950,000.00      |
| Reserve for Sundries | - | - | 160,000.00      |
| Surplus              | - | - | 8,317,502.26    |

**TOTAL****\$28,477,242.66**

|                                |   |   |                  |
|--------------------------------|---|---|------------------|
| Surplus to Policyholders       | - | - | \$ 12,317,502.26 |
| Losses Paid Since Organization | - | - | 192,518,273.33   |

## The Oldest American Stock Insurance Company

Fire Insurance  
Tornado  
Sprinkler  
Explosion  
Inland Transit  
Salesman's Floater

Automobile  
Use and Occupancy  
Builder's Risk  
Tourist  
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Cotton Insurance  
Marine  
Rent  
Leasehold  
Parcel Post  
Registered Mail

# FIREPROOFING

FIRE CLAY PRODUCTS

and

FIRE-PROOF STEEL PRODUCTS

|                          |                             |
|--------------------------|-----------------------------|
| Standard Hollow Tile     | Panic-Proof Product Corp's  |
| Hollow Tile Fireproofing | Panic-Proof and Fire-Proof  |
| Fire Clay                | Hollow Steel Doors and      |
| Fire Brick               | Trim and Art Metal Products |

## HENRY S. HARRIS

LAND TITLE BUILDING

PHILADELPHIA, PA.

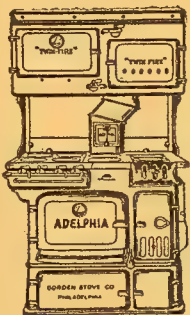
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*Steam and Hot Water Boilers*      *Warm Air Furnaces*

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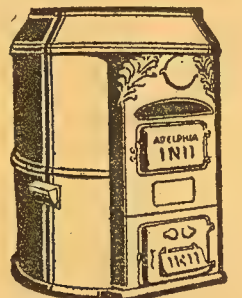
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Visitors always welcomed at our new centrally located daylight showrooms containing the most complete and one of the finest assortments in the city.

### BORDEN Stove Company

1313 ARCH STREET

PHILADELPHIA





# Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND CLASS MATTER

Vol. XXXIV., No. 11  
March 12, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

LESS THAN ONE YEAR  
15 CENTS PER COPY



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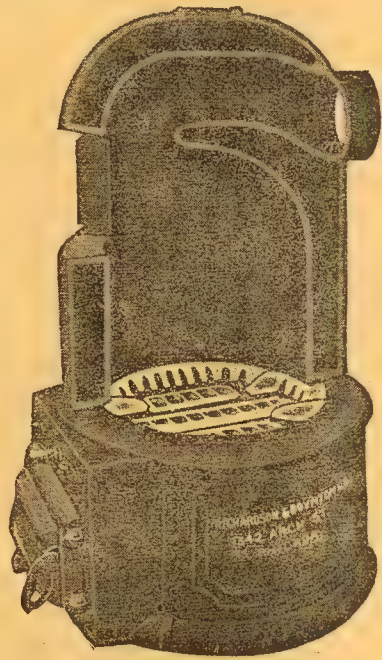
Cooking Ranges

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RICHARDSON & BOYNTON CO.

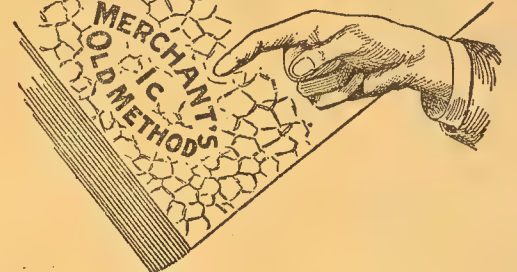
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The base is made of our "COPMETL" (Copper Bearing Steel) and cannot be surpassed for DUCTILITY and DURABILITY.

Every sheet is evenly and heavily coated by our SPECIAL PURE PALM OIL PROCESS. No acid flux of any kind is used in the manufacture of this brand.

Each sheet is stamped with brand and thickness, resquared and rigidly assorted, thereby assuring that "Merchant's Old Method" will give maximum service.

Also manufacturers of "Star" Ventilators, Evans "ALMETL" Fire Doors and Shutters, both approved by the U. S. Government, and Metal Tiles and Shingles.

IMPORTANT—Mark your Inquiry for Dept. 20

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NEW YORK PHILADELPHIA WHEELING  
BALTIMORE CHICAGO  
ATLANTA ST. LOUIS  
CLEVELAND KANSAS CITY



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"CONCRETE FOR PERMANENCE"

Philadelphia Headquarters, Finance Building



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from our large

## PHILADELPHIA WAREHOUSE

REINFORCING BARS—Cut to Length  
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DIAMOND MESH LATH

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CORNER BEAD and CURB BARS

## TRUSCON STEEL WINDOWS

TRUSCON STEEL COMPANY

Formerly TRUSSED CONCRETE STEEL COMPANY

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Philadelphia





### An important part of a fence is in the ground

It's the anchorage of the posts that determines whether the fence will keep its alignment and stand straight and true after years of service.

### ANCHOR POST FENCES

are built on anchor posts which are driven into the ground and then held rigidly erect by two Anchor stakes driven diagonally through slots clamped to the sides of the posts.

Iron Railings and Entrance Gates, Lawn Fences, Tennis-Court, Poultry and Kennel-Yard Enclosures, Arbors, Trellises, and Flower-Bed Guards. Catalogues of any or all are yours upon request.

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W. S. SLACK, Manager  
Real Estate Trust Bldg., Phila.



## O. W. KETCHAM

Manufacturer of

**Ornamental Terra  
Cotta  
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Hollow Tile  
Paving Brick  
Roofing Tile**

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New York, 1170 Broadway  
Washington, Home Life Building

**Terra Cotta Works, Crum Lynne, Pa.**

### POMEROY CONSTRUCTION CO.

#### Building Construction

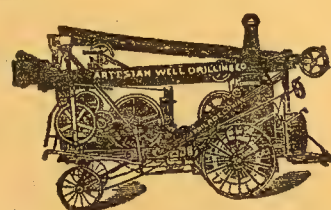
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## FACE and CUT STONE

### HOLMESBURG GRANITE CO.

Commercial Trust Building  
PHILADELPHIA



**Wells - Soundings  
Test Borings**

**Artesian Well  
Drilling Co.**

Real Estate Trust Building, Philadelphia

## Belfi Bros. & Co

Marble  
Mosaic



Terrazza and  
Ceramic Mosaic

**Tiles for Floors and Fireplaces  
Interior Marble Work  
Mantles, Marble and Wood**

**1923 Market Street  
PHILADELPHIA**

Branch Office, Allentown, Pa.  
**225 COMMONWEALTH BUILDING**

**Base and Floor  
one continuous  
piece**



## MINERAL FLOOR

should be used wherever a sanitary floor is desired. Practically noiseless, it is the ideal floor for schools, public buildings, railway stations, stores, kitchens, etc.

**Damp, Fire and Vermin Proof**

WE LAY THIS FLOOR ANYWHERE  
Information and samples on request

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and

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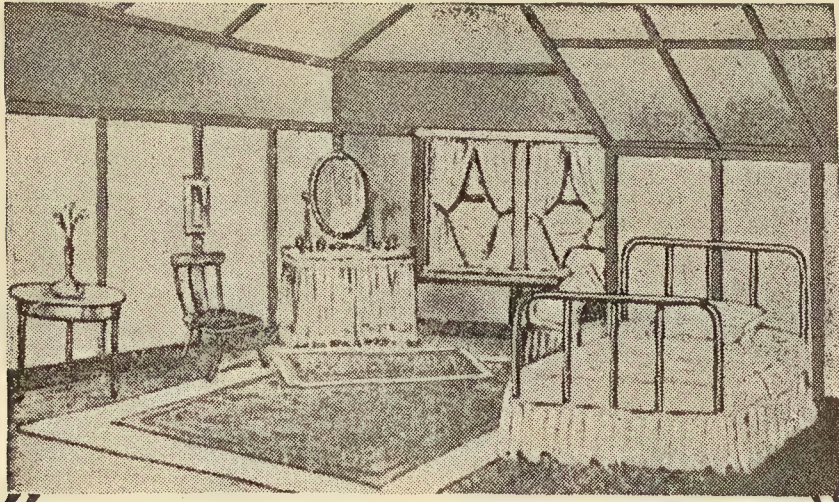


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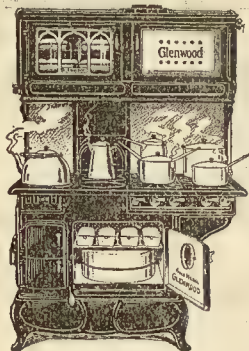
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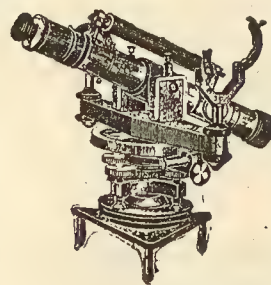
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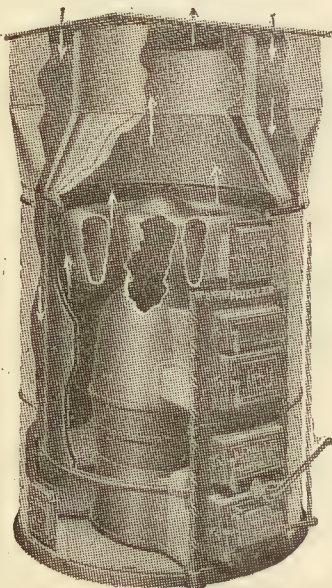
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 11

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## As The Editor Sees It



THE Annual Convention of Builders' Exchanges was held in Milwaukee during the week of February 25th. Attention was given to consideration of material prices and future outlook for construction, and to a consideration of broader organization of all construction industries, business methods and policies. In his annual address, the President, John R. Wiggins, Philadelphia, Pa., gave a clear and comprehensive review of the effect of the war on the building industries and a summary of the year's most significant activities. His answer to the very disturbing labor problem of today is forceful and convincing. In fact, the whole address is of great interest to all concerned, and we print it, therefore, in full:

"To the the National Association of Builders' Exchanges:

"The war was the controlling factor in the building industry during your President's entire term, beginning in February, 1918, everything else being entirely subordinate to this. The building industry is in normal times the second largest industry of the United States after agriculture. Its annual product is between two and three billion dollars. It is authoritatively stated that twenty-five per cent. of normal railroad freight transportation is of material used in building.

"The different bureaus of war administration very soon found that the prosecution of the war was inconsistent with peace activities on a normal scale. As the needs of the war developed, it became

apparent that nearly all work must be abandoned which had not a direct bearing upon war production or which was not required for necessities for the civil population. The largest individual unit of industry which could be sacrificed for the prosecution of the war was the building industry. It was possible to stop new building except for direct war needs. The constantly increasing prices of material, the difficulties of the freight situation and the growing scarcity of labor would, without direct efforts, have greatly diminished building, but direct restrictions upon building came at an early date from the Secretary of the Treasury and the Capital Issues Committee, and later from the War Industries Board. By these influences the industry was reduced, except for war work, almost to the vanishing point, during the summer just passed. Even this was not satisfactory, and a meeting was called by the War Industries Board for the 11th of November, for representatives of the State Councils of Defense throughout the country to assemble at Washington and receive instructions for even more stringent limitations of building. Fortunately, the armistice was signed on that very day and it was possible to announce at that meeting almost complete relief from direct governmental interference with building operations.

"These facts are not reviewed with any spirit of complaint toward the officers of the Government engaged in carrying on the war. It was the duty of every citizen

to submit his private interests to the public needs. It is highly gratifying to all those concerned in the building industry that the officer of the War Industries Board particularly concerned in the limitation of building, publicly declared after the armistice that the orders of the Government to this end were cheerfully complied with, even where these involved the greatest sacrifices, and that the building industry to his knowledge had shown itself during the war as one hundred per cent. patriotic.

"The large amount of building done by the Government for war purposes consumed considerable building material and used a large amount of labor, particularly in certain trades, but the work was highly localized, the range of materials was not very great, and the contracts were in very large units, executed by a very limited number of contractors, as compared with the total throughout the country. In consequence, the building industry in general did not receive the benefit from the Government contracts which their volume, at one time approximating one-half the normal building construction of the country in peace times, might have been expected to give. Since the armistice the winter season has been sufficient to prevent the resumption of building even had conditions otherwise been favorable.

"Your President is, therefore, obliged to report upon the general building situation that the year has been in many respects the most disastrous for the indus-

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try that has been known within the lifetime of our members. No very great scope was left for the activity of the Association during this period. It has been chiefly confined to two important matters: The organization of the National Federation of Building Industries and participation in its activities, and the consideration of questions relating to labor.

"During the winter of 1917-18, a plan was evolved to unite the entire building industry in a single federation which would include wholesale and retail manufacturers of building material, the distributors, the architects and engineers who plan the buildings, the contractors who construct them, and bankers who finance building operations. At one time it was contemplated to include in the Federation representatives of labor unions in the building trades. It was at first expected that the American Institute of Architects would undertake to call together this organization, but this responsibility finally devolved upon the Chamber of Commerce of the United States. The immediate object of such a Federation was to serve as a War Service Committee similar to those organized in other activities, but its founders looked to a permanent organization after the war. It was believed that a single organization speaking for the entire industry could speak with much more authority than any single branch.

"This subject received the consideration of the Pittsburgh Convention, and resolutions were then adopted, as shown on page 70 of the Report of Proceedings, directing the President of this Association to take steps to secure the federalization of the building industry in co-operation with other material organizations. Accordingly, acting with the advice of the Board of Control, a delegation was sent to the organization meeting of the proposed Federation at Atlantic City in July, 1918. Some of the local Exchanges sent independent delegations. The Federation was then formed as a War Service Committee and devoted its efforts during the war to co-operation with the Government in dealings with the building industry, endeavoring to secure the support of the industry to all necessary restrictions and to obtain such modifications of restrictive rules as might, without interfering with the prosecution of the war, do the minimum of harm to the building industry. It was unfortunate that the Federation was not formed until a most restrictive policy had not only been agreed upon, but definitely formulated, and that its efforts, which might have been of value six months earlier, were not highly productive after the organization had been perfected during the last few months of the war.

"In December the Federation held a second meeting at Atlantic City, and it was unanimously resolved that it should be continued as a permanent body with a change of name to the "National Federation of Construction Industries." The object is to have an association which will represent the entire building interests, made up by federation of the different bodies concerned in the business.

"Your President was made a director of the temporary and of the permanent organizations and has become convinced of the value of the organization to the building industry. He believes that the membership of this Association in it should be continued. The manufacturers of building material are a large and influential class of men. Many of them have organizations of great strength and very large means. In most matters involving the building industry their interests are identical with those of the contractors. It is believed that there are many occasions where the contractors can be greatly benefited through being able to call to their assistance this whole organization and the powerful bodies of manufacturers represented in it.

"Upon the question of labor, your President would say that almost immediately upon his election, he took up with the Secretary of Labor the proposition to endeavor to establish some method of settlement of jurisdictional and other minor strikes, so that the progress of building should not be impeded by matters of no great importance which ought to be settled by peaceful methods of arbitration. Secretary Wilson expressed himself very strongly in favor of the proposal, and said that the Department would be greatly pleased to be the means of getting together the representatives of labor organizations and of contractors for a conference to see what system could be adopted toward an end which all agreed was proper. He said that the National War Labor Board was then just in process of formation and he thought it necessary to submit this matter to their consideration to ascertain first whether they were prepared to accept jurisdiction of it. It was so referred and your President was informed that the Board had assumed jurisdiction. But the Board was almost immediately overwhelmed with a mass of actual strikes in progress and had to give its entire attention from that to the present time to the settlement of existing strikes rather than to the study of means to prevent future strikes.

After a number of efforts to secure action, it was determined that it was hopeless to expect anything to be done; and, upon the organization, after the armistice, of the Division of Public Works and Construction Development in the Department of Labor, the papers

were referred to that division and efforts made toward progress to some definite result. Externally such progress has not yet been made, but your President is assured that the matter has been taken up and that investigation is now going on with a view to accomplishing the end proposed and that it will be but a matter of a few weeks when negotiations can be taken up with considerable prospect of success for the adoption of some mode by which jurisdictional strikes may be greatly reduced or wholly prevented. This is commended to the incoming administration of this Association as one of its most important labors.

"The question of the reconstruction of the building industry is the question of primary importance to all of us here. The Department of Labor has constituted the Division just referred to for the very purpose of doing everything that is possible to revive the building industry. Investigations have been begun by this division in regard to questions of finance, of materials and of labor. The greatest publicity has been given to its work, and it is fair to say that this Division, under the able leadership of Mr. Franklin T. Miller, is doing everything possible to overcome the present stagnation of the building industry.

"One of the movements under consideration, with a view of the most vigorous support and aid, is the movement known as "Own Your Own Home." In various parts of the country such local movements have met with great success. In Seattle during the progress of the war a local movement was started for building workingmen's homes without Government aid and carried to a very high degree of success. Such widely separated cities as Birmingham, Alabama, and Portland, Oregon, have carried on "Own Your Own Home" campaigns with marked benefit to their localities. Your officers have been active in the study and encouragement of this movement, both through co-operation with Government officers and through their part in the National Federation of Construction Industries. A great deal is expected from this movement. It will demand in each locality hearty local co-operation. It is believed that there are in each city a number of associations which ought to unite for this purpose and bring the movement locally to success as soon as it is instituted. These are particularly the Real Estate Boards, the Builders' Exchanges and the Chambers of Commerce. In some cities there are local associations of building supply dealers.

"The two factors of the greatest importance restraining building activity at the present time are the high prices of materials and labor and the uncertainty in regard to the stability of prices. An



effort is being made in influential quarters to reduce the prices of materials through a reduction of freight rates, since the railroads now have many idle cars which might be usefully employed in hauling building materials at low rates rather than being idle. A number of cities report movements for increase of wages in the building trades. Surely, any increase will discourage building, and it is short-sightedness to take action which reduces the possibility of employment below present limited promises. Any increase in wage scales increasing the cost of building would be a deterrent to building to a great degree. This would result in less money being paid to the workman than if building can be carried on without any increase in cost. It is believed that this is a wrong time for increases of wages and that the standard scales adopted in the year 1918 should remain in force without increase for 1919.

"The Department of Commerce also has initiated a movement for the investigation of the prices of commodities with the view of getting the manufacturers to put their prices on the lowest level affording a reasonable profit with the least possible delay. Such reductions would not only of themselves encourage building, but they would assure the public of stability of prices, since further reduction below such level could not be expected by prospective purchasers. The result of stability, even at prices above the pre-war level, would be to assure prospective investors that their promptness in building would not be punished by seeing their competitors build at reduced prices by waiting three to six months.

"It would equally help to stabilize the cost of building if the definite policy were adopted of no reduction in established wage scales, during 1919, as well as no increase.

"The demand for building throughout the country is pressing. It can not long be avoided. The important thing is that every obstacle to building shall be removed as soon as possible, so that steps may be taken immediately to begin to meet the need for new buildings.

"At this time it is unfortunately not possible to speak of any immediate prospects for revival of the building industry with as much confidence as any of us could desire, but it must be borne in mind that this is the winter season, when little work can be done and when no work is begun, and that normally with the spring, building will be reopened. Throughout the country there is information of building projects of greater or less magnitude. A considerable program of public building by the United States is in immediate prospect. Building by the States and municipalities will be vigorously pressed.

Many business buildings must be put up, no matter at how high cost, because the businesses are losing more by insufficient housing than they would by building at the present high cost. It is also believed that there will be considerable building for home owners within a comparatively short time, since this is a matter that depends upon the possession of funds for home building rather than upon the exact amount to be derived from rentals by way of return upon investment.

"If we turn our gaze from the immediate future to the ultimate future of building, we can see nothing but the greatest encouragement. The entrance of this country into the foreign war has greatly broadened the country's aspect. We are looking to export trade to a degree never before in the history of the United States. Our young men who have taken part in the war have visited new scenes either in this country or in Europe. They have been physically developed by their military experiences. They have broadened their outlook. The future generation will possess the benefit of this sharpening of the aptitudes which has come from this widened experience, and our young men under this stimulus will develop greater enterprise than if they remained permanently in their homes throughout the period of young manhood.

"The financial conditions of the European countries, the great physical losses inflicted upon France, the loss of man power in England, the large burden for reparation which will fall upon Germany, as well as the very heavy debts in which all European governments are involved, will lead to the opening of distant markets to the United States in a measure never before known. This stimulus to the national industry will result in increased business and constantly increased building. The future, therefore, is full of hope. We turn our backs upon the sadness and burden of the year of war with entire confidence that the progress of our country is assured and that the building industry will share in the general prosperity that awaits us in the near future.

"By way of putting these views into practical shape for action, I would recommend the following:

"1. That the Association should inform the Secretary of Commerce by resolution or otherwise of their commendation of this effort to lower and stabilize the price of material.

"2. That the Association should also notify the Secretary of Labor of its approval of the efforts of his Department to encourage building.

"3. That a Committee on Reconstruction be appointed by this Convention to which shall be referred all resolutions

bearing on the subject, except those relating to labor, and who shall report to the Convention such course of action as may seem proper.

"4. That the President's report be referred to that Committee, excepting the part referring to labor, which shall be referred to the Committee on Labor.

"5. That this Association shall particularly address the Railroad Administration directly, or through other proper means, in favor of lowering freight rates on building materials of all classes.

"Now, that is all of the President's report. The program also calls for the report and address of the President. I think the reading of that report has taken up sufficient of your time, so far as the President is concerned, except that in the way of an address, if you choose to so call it, I want to bring before your attention, and particularly before the attention of the Committee on Labor, three witnesses, and to make some slight comment on the evidence presented by those witnesses.

"As you are aware, there have been a great many panaceas offered for all the ills of our industry, especially with reference to labor; and among them is one that was offered by Mr. John D. Rockefeller, Jr., at the meeting in Atlantic City last December. Taken as a whole, this is a most estimable and able paper. There is one thought in it I wish to have you consider; and I will say that Witness No. 1 is John D. Rockefeller, Jr. I will read his testimony:

"The outstanding features of this plan of industrial representation are as follows:

"Representatives chosen by the employees in proportion to their number, from their fellow-workers in each plant, form the basis of the plan.

"Joint committees, composed of equal numbers of employees or their representatives and of the officers of the company are found in each plant or district.

"These committees deal with all matters pertaining to employment, and working and living conditions, including questions of co-operation and conciliation, safety and accident, sanitation, health and housing, recreation and education."

"And as I read the testimony of Mr. Rockefeller, I go back in my thought to the years just preceding the Declaration of Independence by these United States; and I would call your attention to the grounds upon which those who made that Declaration based their convictions, and that was that they had taxation inflicted upon them without representation. Taxation without representation! And that makes me look upon this as a reversal of that cry; and I find that Mr. Rockefeller suggests representation without taxation. That is, the committee of employees shall



take up matters pertaining to the employment and working and living conditions, including questions of co-operation and conciliation, safety and accident, sanitation, health and housing, recreation and education. That would be ideal if it was not for the fact that this committee on labor that is to take care of these matters is to shoulder the cost upon somebody else.

"I believe that labor and capital should go together on these questions, but I do not believe that the cost should be put upon one party.

"I do not believe that they have a right to representation without taxation; that some plan must be made by which they shall have to bear the burden of the lean years as well as the burden of the fat years; that when a business is greatly prospering, they have a right to share in that prosperity; but when a business is going down, they would have a right, and they should be made to take part, or share the reduction of income from those plants.

"I have no plan particularly to suggest, but I believe it should be an axiom that if they are to have representation on these boards, that they should be also compelled to share the evil years, or pay their part of the evil years that every business concern has to feel once in a while.

"My second witness is a gentleman whom three months ago we might have been divided upon as to our regard and respect for. Today we are all united. I refer to our late lamented former United States President, Theodore Roosevelt.

"At the Arlington Cemetery, on May 31, 1911, he said:

"So long as I have any influence left I shall protest against arbitration between this and any other country which will not keep its agreements. Arbitration is all well enough under favorable conditions, but not otherwise. It isn't right to arbitrate with a country when you know that that country will not keep an agreement if it comes to a pinch."

"Now, let me read that over again and put in the word 'organization' or 'association' instead of the word 'country'.

"So long as I have any influence left I shall protest against arbitraation between this and any other association which will not keep its agreements. Arbitration is all well enough under favorable conditions, but not otherwise. It isn't right to arbitrate with an association when you know that that association will not keep an agreement if it comes to a pinch."

"And I think Mr. Roosevelt's argument in reference to arbitration between countries applies as well to arbitration between associations.

"We are ready at all times, as an asso-

ciation or as individual builders, or as individual associations at least, in our various parts of the country, to be prepared to make agreements with associations; but if they will not live up to those agreements, but will break them when the pinch comes, then we are opposed to having arbitration with them.

"There is one more point, one more witness, and I will read his testimony before I state his name. He says:

"They must first of all be citizens, and that any man who owes a higher allegiance to any organization than he does to the Government should be sent to a Federal prison or deported."

"That comes from an alien whose Americanism is as sound as that of any American born in these United States. I do not know Ole Hanson. I wish I did. I wish I were acquainted with a man who could stand up as he has and say that the government of his city was going to settle the question as to whether or not the public shall be protected; and no labor, or even any other association, can interfere. But I want to say that if we take Mr. Ole Hanson as our guide—or, rather, if those in authority will take Mr. Ole Hanson as their guide, a great many of our troubles would be very readily and very quickly settled.

"In conclusion, let me say that a good bit of his argument can be as readily applied to master associations as it can to labor associations; in other words, we must live up to our agreements. We must endeavor to be fair, and then demand that others shall be fair with us."

**H**AVING traveled in the last six weeks all States in the Union except those of the Southeast, Henry N. Teague, Field Agent for the United States Department of Labor, reports to the Information and Education Service that industrial and labor conditions show a marked improvement during the last sixty days. This results, in Mr. Teague's opinion, from the fact that State and municipal authorities have come to appreciate the necessity for buffer employment for labor and the possibilities of stimulating business through extensive public improvements.

Mr. Teague has traveled, during the last six weeks, from Boston to San Francisco, and from Seattle to New Orleans, calling on all the Governors and on the Mayors of the principal cities and carrying a personal message to them from Secretary of Labor Wilson. When asked to state his outstanding impression from his trips, Mr. Teague said:

"There is to be a great deal of public building during the next six months. I am convinced the public improvements program for 1919 will equal that of any

five years in the country's history and the road-building activities from the Atlantic to the Pacific, once under way, are to be tremendous.

"I have been much surprised to find the scope of improvement work in the West larger than in the East. Perhaps this may be accounted for in the fact that the West needs more improvements than the East. It is newer country. The Governors and Mayors of the West, almost without exception, realize the prudence of going in for public improvements as a source of buffer employment for labor and a means of stimulating general business. The West, too, is much interested in reclamation and is anxious to make land, heretofore arid and waste, available and suitable for farming by such former soldiers as wish to go back to the soil."

"Most of the Governors of the agricultural States," Mr. Teague said, "are anxious to get men from the Army to settle in their States. This is because they believe the Army represents the best manhood and brains of the country, and if their respective States can absorb soldiers, the Governors believe the States will get the highest type of citizens and the best blood of the Nation."

Mr. Teague says there is much criticism in the West of the Federal Government's failure to go ahead with its own building operations. In many localities Federal buildings, for which sites, plans and appropriations were had before the war, are now held up because the original appropriations will not cover present construction costs on the buildings desired. Mr. Teague says, in such localities there is resentment over the fact that the Government has not been granted additional money to carry on these building activities, and the fact that this has not been done is exerting a harmful influence on many private interests, which feel that if it is prudent for the Government to refrain from building at this time, it also is prudent for the private interests to follow the same course.

"There are more building activities in New Orleans than in any other city I visited," Mr. Teague said; "New Orleans is spending \$14,000,000 on the municipal docks. More than 10,000 men are employed in this undertaking.

"I anticipate no labor crisis throughout the country, for the communities are awake to the situation. There is just as much unemployment today as thirty days ago, and yet the situation is much improved, because local initiative is being brought to bear on local problems, and as soon as the cities and States get under way with their improvement programs, for the time being at least, our unemployment problem will be far less pressing."



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**Convent and School (alts. and add.),** 334 Haines street, Germantown. Architect, H. G. Hammer, 808 North Seventeenth street, Philadelphia. Owners, Our Lady of the Rosary Italian R. C. Church, care of Rev. Peter Montieni, on premises. Brick. School, 3-story addition, 26x28 feet, slag roof, yellow pine floors, stone foundations, electric lighting, plumbing, plastering, galvanized iron work. Convent, raising roof, changing partitions, plastering, painting. Plans completed. Architect is ready for sub-bids.

**Tenement Houses (2),** southeast corner of Forty-eighth and Sansom streets and southeast corner of Forty-seventh and Sansom sts., Philadelphia, \$30,000. Architect, I. W. Levin, 2434 South Eighth street, Philadelphia. Owner, Nathan Raidman, 4737 Sansom street, Philadelphia. Brick, 4 stories, 60x87 feet, wing 29x31 feet, slag roof, steam heating, electric lighting, tile and marble work, oak and yellow pine floors. Owner will build.

**Residences (16),** south side of Sansom street, west of Forty-seventh street, \$64,000. Architect, I. W. Levin, 2434 South Eighth street, Philadelphia. Owner, Nathan Raidman, 4737 Sansom street, Philadelphia. Brick, 2 stories, 18x33½ feet, slag roof, hot water heating, electric lighting, tile work, oak and yellow pine floors. Owner will build.

**Stores and Dwellings (4),** Sixtieth and Larchwood avenue, \$35,000. Architect, private plans. Owners, Berman Bros., 6019 Market street, Philadelphia. Brick, 3 stories, 18½ feetx 18 feet 9 inches and 15½x29 feet, 3 stories, 20x46 feet (2) 3 stories, 17x18 feet, 14x29 feet, slag roof, hot water heating, electric lighting, oak and yellow pine floors, flush bulks, tile work. Owners will build.

**Garage and Shop,** southeast corner of Fifty-third and Thomas avenue. Architect, private plans. Owner, Abraham Sharp, 5237 Baltimore avenue, Philadelphia. Brick, 2 stories, 60x125 feet, slag roof, cement floor, electric lighting. Owner will build.

**Residences (7),** Camac and Sommerville sts., \$32,900. Architect, private plans. Owner, Wm. J. Baltz, 709 Butler street, Philadelphia. Brick, 2 stories, (1) 16½x46 feet, (6) 16x28 feet, 13x18 feet, slag roof, hot water heating, electric lighting, tile work, oak and yellow pine floors. Owner will build.

**Grading, Paving Streets, Curb and Footway Work,** Philadelphia. Owners, Bureau of Highways, Department of Public Works, care of George E. Datesman, Director, City Hall, Philadelphia. Asphalt, vitrified block, cement work, curbing. Owners are taking bids, due March 14th, at Room 216, City Hall, at 12 o'clock.

**Column Foundations (68),** Front street, between Arch and Callowhill streets. Architect, private plans. Owners, City of Philadelphia, Department of City Transit, Merishon Building, Philadelphia. Concrete. Plans and specifications may be secured at Merishon Building. Deposit of \$10.00.

**Residence,** Overbrook and Bryn Mawr avenue, \$12,000. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, T. F. Reilly, Wynnefield, Philadelphia. Stone, 3 stories, 81x28 feet, slate roof, hot water heating, electric lighting, tile and marble work, oak floors. Owner will build.

**Group of Buildings,** League Island Park, Philadelphia. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, City of Philadelphia, care of George E. Datesman, Director, of Department of Public Works, City Hall, Philadelphia. Brick, reinforced concrete and granite and limestone, band stand, boat house, 1 story, 185x49 feet, comfort building, overlook, superintendent's quarters, 2½ stories, 49 feet 8 inches x32½ feet cart yard, stable 64x37½ feet, shed 64x15 feet, red tile roof, concrete and cement floors, hot water heating, electric lighting, tile, marble, terrazzo and slate work, iron work. Owners taking bids due March 17th at noon. Edw. Fay & Son, 2 South Mole street, H. E. Baton, 1713 Sansom street; Standard Const. Co., 1713 Sansom street; M. H. McCloskey, Jr., 1620 Thompson street; Hughes-Foulkrod Co., Commonwealth Building; Wark & Co., 1737 Filbert street; Wm. Steele & Sons, Inc., Sixteenth and Parkway, are figuring.

**Synagogue (alts.),** Germantown avenue, Germantown. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, name withheld. General interior alterations, stone, second story, 34x70 feet, slate roof, electric lighting, tile work, plumbing. Plans in progress. Bids will be taken in about three weeks. Too early for details.

**Traffic Stable (alts.),** Broad street below Federal street, \$6,000. Architect, Jos. A. Rolletter, City Hall, Philadelphia. Owner, City of Philadelphia, Department of Public Safety, Philadelphia. General alterations, slag roof, plastering, mill work, painting, plumbing, electric lighting. Plans about completed. Will be ready for bids in a few days.

**Show Room and Residence,** 732 South street, Philadelphia, \$20,000. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Amer. Inc. Light Co., care of Ellis Paris, 726 South street, Philadelphia. Brick, 3 stories. Preliminary plans in progress. Too early for details.

**Residence,** Mercersburg, Pa. Architect, R. B. Okie, Crozer Building, Philadelphia. Owner, Harry Spangler, Mercersburg, Pa. Stone, 2 stories. Preliminary plans in progress. Too early for details.

**Synagogue,** Larchwood and Salford streets, Philadelphia. Architect, J. E. Fieldstein, Penfield Building, Philadelphia. Owner, Cong. of Chevreh Lenas Hazedeck, Abram Wernick, Chairman of Building Committee, Bailey Building, Philadelphia. Brick and stone, 1 story, 65x72 feet, stone foundations, electric lighting. Ready for bids.

**Hotel,** Southwest corner Darien and Catharine streets, Philadelphia. Architect, Frank

V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, Frank Palumbo, 824 Catharine street. Brick and terra cotta, 4 stories, 68x84 feet, slag roof, hot water heating, electric lighting, marble and tile work, metal lath, fire doors, kalamein doors, vacuum cleaning system. Owner is taking bids due March 15th. Frank Lucci, 1603 Ellsworth street, is figuring.

**Shelter Shed,** Milnor and Bridge streets, Philadelphia, \$4,500. Architect, private plans. Owner, P. R. T. Co., 810 Dauphin street, Philadelphia. Frame 19½x120 feet. Owner will build.

**Car Barn (alts.),** Southwest corner Tenth and Luzerne streets, \$6,000. Architect, private plans. Owner, P. R. T. Co., 810 Dauphin street, Philadelphia. General alterations. Owner will build.

**Residences (27),** Tenth and Wyoming avenue, Philadelphia. Architect, J. E. Fieldstein, Penfield Building, Philadelphia. Owner, I. J. Miller, 1926 South Colorado street, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, stone foundations, hot water heating, electric lighting. Owner is taking sub-bids.

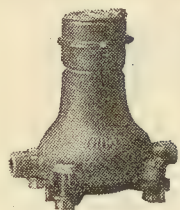
**Store Building (alt. and add.),** 18 North Fifty-second street, Philadelphia, \$5,000. Architect, J. E. Fieldstein, Penfield Building, Philadelphia. Owner, name withheld. New front slag roof, electric lighting, tile and marble work. Plans completed. Will be ready for bids in a week.

**Store Building,** Broad and Melon streets, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Samuel Gorson, 238 North Broad street, Philadelphia. Brick and reinforced concrete, 2 stories and basement, 20x87 feet, stone foundations, slag roof, steam heating, electric lighting, tile work, slate work, cement and North Carolina pine floors hollow tile, metal lath, waterproofing, dampproofing, wire work, ornamental iron work. Architect has received revised bids.

**Stores and Dwellings (2),** Marshall and Parrish streets, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, name withheld. Brick, stone and terra cotta, 3 stories, 18x52 feet and 16x52 feet, slag roof, oak and pine floors, stone foundations, hot water heating, electric lighting, tile and marble work, metal ceilings, iron work. Plans in progress. Architect ready for bids in a week.

**Outside Shed,** 1815 Sedgley avenue, Philadelphia, \$3,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, Weideman Machine Co., on premises. Partly enclosed shed between brick walls, 25x40 feet. Architects will sub-let.

**Residence and Garage,** Wissahickon avenue and Kitchen lane. Architect, Robert R. McGoodwin, 1422 Walnut street, Philadelphia. Owner, Alfred Wolstenholme, 322 Manheim street, Germantown. Stone and brick, 3 stories, 106x43 feet, 1 story 26x22 feet, shingle and tin roof, cement and oak floors, metal



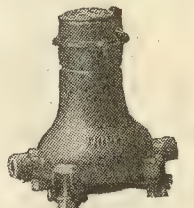
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lath, hot water heating, tile work, stone foundations (hardware, lighting and mantels reserved). Architect taking bids due March 14th. Wm. J. Gruhler Co., 219 East High street; W. John Stevens, Inc., Wyncote, Pa.; Pringle Borthwick, 8018 Germantown avenue; John E. Walt & Son, 204 East Willow Grove avenue; Wolverton & Co., 28 East Willow Grove avenue, and C. O. Struse & Son, Walnut lane and Cresson street, are figuring.

**Residences (7)**, 5832-44 Baltimore avenue, \$40,900. Architect, private plans. Owner, Chas. Armstrong, 944 South Fifty-eighth street, Philadelphia. Brick, 2 stories (1) 16x44 feet, (6) 16x33 feet 12 inches, 10x10 feet, slag roof, hot water heating, electric lighting, tile work. Owner will build.

**Bulkhead Shed (alts.)**, between Piers 38 and 40, South Wharves, Delaware River. Architect, private plans. Owners, City of Philadelphia, Department of Wharves, Docks and Ferries, care of George S. Webster, Director, Bourse Building, Philadelphia. General repairs, steel and concrete, slag roof, metal lath, waterproofing, Kinnear rolling steel doors. Lowest bidder: F. A. Havens Co., 845 North Nineteenth street, \$3,225; No. 2, \$3; No. 3, 10c; No. 4, 20c.

**Office Building (add.)**, South Penn Square, Philadelphia. Architects, Hoffman & Co., Finance Building, Philadelphia. Owner, Finance Company of Pennsylvania, Finance Building, Philadelphia. Concrete, steel and brick, fireproof, 21 stories, 35x90 feet, slag roof, concrete foundations, steam heating, electric lighting, tile and marble work, concrete floors, hollow tile, metal lath, elevators. Plans in progress.

**Piers (2)**, Nos. 82 and 84, South Wharves, Wolf and Porter streets, Philadelphia. Architect, private plans. Owners, City of Philadelphia, Department of Wharves, Docks and Ferries, care of George E. Webster, Director, 550 Bourse Building, Philadelphia. Wood piles, timber, steel and concrete. Owners are taking bids due March 27th at noon. Plans and specifications upon deposit of \$25.00, refunded upon return.

**Residences (17)** (twin), Wingohocking and Monahan streets, Germantown. Architect, Reuben Beard, Commonwealth Building, Philadelphia. Owner, name withheld. Brick, 3 stories, 16x65 feet, garage (17), 1 story, 12x22 feet, slag roof, oak and cement floors, stone foundations, electric lighting, hot water heat-

ing, tile and marble work. Plans in progress. Architect will take bids in about two weeks.

**Bakery Building**, South Philadelphia. Architect, Reuben Beard, Commonwealth Building, Philadelphia. Owner, name withheld. Brick, 2 stories, 50x50 feet, slag roof, cement floors, stone foundations, hot water heating, electric lighting, tile and marble work, metal lath, patent ovens, kalamein sash, electric elevator, structural steel, flush bulks. Plans in progress. Architect will take bids in about one week.

**Store (alts. and add.)**, Sixtieth and Walnut streets, Philadelphia. Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, Herman T. Miller, Sixtieth and Spruce streets, Philadelphia. Brick, 2 stories, 20x70 feet, slag roof, electric lighting and fixtures, oak floors, tile and marble work, mill work, cabinet work, flush bulks, general renovation of building. Ready for bids in a week.

**Apartments (alts.)**, 1824 Chestnut street, Philadelphia. Architect, W. W. Sharpley, 1713 Sansom street, Philadelphia. Owner, Oliver H. Bair, 1820 Chestnut street, Philadelphia. Brick, 4 stories, changing partitions, parquet flooring, steam heating extension, electric wiring and fixtures, plastering, millwork, plumbing, papering and painting. Architect taking sub-bids.

**Residence**, Chestnut Hill, Philadelphia, \$7,500. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, Edw. R. Sorber, care of Pelham Trust Company, Pelham and Germantown avenues. Stone and plaster, 2½ stories, 24x40 feet, shingle roof, stone foundations, hot air heating, electric lighting, tile work, pine floors. Architects taking bids due March 17th. Wills-Ludwick Co., 1706 Sansom st.; Warren E. Bisco, 3954 Ludlow street; John E. Walt, 204 East Willow Grove avenue; McClintock & Weaver, 24 Philadelphia street, and Stokes Bros., 6723 Musgrave street, are figuring.

**Rectory**, Westmoreland and G streets, Philadelphia. Architect, Paul J. Henon, Jr., 10 South Eighteenth street, Philadelphia. Owner, Roman Catholic Church of the Ascension of Our Lord, care of Rev. Denis J. Broughal, on premises. Stone and brick, 3 stories. Preliminary plans in progress. Too early for details.

**Residence (alts.)**, 1926 Rittenhouse street, Philadelphia. Architects, R. W. Pollock and E. G. Rust, 1802 Chestnut street, Philadelphia. Owner, Mrs. A. C. Keefer, 254 South Six-

teenth street, Philadelphia. Three stories, hot water heating, electric lighting, tile and marble work, copper and tin roof, oak floors, ornamental iron work, millwork, plumbing, plastering. Architects taking bids due March 17th at noon. John M. Yardley, 1716 Sansom street; Thos. C. Trafford, 1613 Sansom street; F. E. Wallace, 1220 Chancellor street; J. Sims Wilson Co., 1125 Brown street; E. F. Bahls, 1702 North Thirteenth street, and F. B. Davis, 240 North Sixteenth street, are figuring.

**Residence (alt. and add.)**, Mermaid lane and Navahoe street, Philadelphia. Architects, Duhring & Ziegler, Bailey Building, Philadelphia. Owner, A. G. Allison, on premises. Stone, general alterations and additions. Plans completed. Architects will take bids in a few days.

**Moving Picture Theatre**, 1523-25 South street, \$50,000. Architect, H. B. Weldon, 1606 Cherry street, Philadelphia. Owner, Abram Wax, 937 South street, Philadelphia. Brick, 1 story, 95x120 feet, slag roof, cement floors, electric light. Owner will sub-let all contracts.

**Cold Storage Rooms and Smoke Houses (add.)**, 4142 Germantown avenue. Architect, C. D. Comstock, 110 West Fortieth street, New York City. Owner, John J. Felin Co. Inc., on premises. Brick, reinforced concrete, steel, fireproof, 2 stories and mezzanine, tile, metal lath, 39 feet 9 inches x 87 feet, composition roof, cement and tile floors, hollow tile, safety treads, roof ventilators, metal ceilings, waterproofing, concrete foundations, slate work, rolled steel sash, fire doors, hollow metal and rolling steel doors, iron stairs, ornamental iron work, waterproofing (plumbing, heating, electrical work and elevator reserved). Architect taking bids due March 15th. (Note extension of time for bid.)

**Stores and Apartments**, southeast corner of Fifty-second and Thompson streets. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Albert M. Greenfield, Thirteenth and Chestnut streets, Philadelphia. Brick, steel and concrete, 3 stories, 30 feet 4 inches x 77 feet, slag roof, stone foundations, hot water or vapor heating, electric lighting, tile and marble work, cement and oak floors, metal lath, metal ceilings, iron work, wire work. Architect taking bids, due March 18th. E. J. Kreitzburg, 1345 Arch street; Hoog Construction Co., 1634 Sansom street; Lam Building Co., 1001 Wood street; W. O. Springer,

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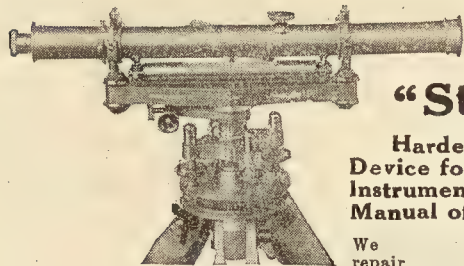
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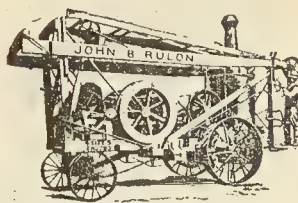
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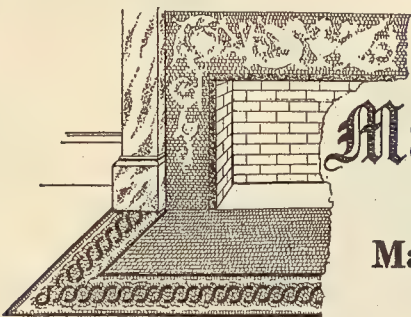
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1624 Latimer street; B. Bornstein, 1510 North Franklin street; Smith-Hardican Co., 1606 Cherry street; H. Seidman, 1312 North Sixth street, and Joseph F. Myers, Jr., & Co., 1237 Ridge avenue, are figuring.

**Bank Building (alts. and add.)**, Front and Norris streets, Philadelphia. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, the Ninth National Bank, on premises. Brick, concrete, stone and ornamental terra cotta, fireproof, 1 story and basement, 60 feet 7 inches x 109 feet, slag roof, concrete, cement and oak floors, stone foundations, steam heating, electric lighting, tile, marble, terrazzo and granite work, skylights, hollow tile, metal lath, roof ventilators, ornamental iron work. Architect taking bids, due

Front and Norris streets March 26th at 3 P. M. H. E. Baton, 1713 Sansom street; H. E. Grau Co., 1707 Sansom street; Cramp & Co., Denckla Building; Warren-Moore Co., Colonial Trust Building; F. E. Wallace, 1220 Chancellor st.; Metzger & Fisher, Otis Building; Wm. Steele & Sons Co., Sixteenth and Parkway; A. R. Raff Const. Co., 1635 Thompson street, and Chas. McCaul Co., 1715 Sansom street, are figuring.

**Store and Office Building**, 1226-28 Market street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Samuel Gross, care of A. M. Greenfield, Thirteenth and Chestnut streets. Brick, stone, steel and concrete. Plans in progress. Too early for details.

Architect, private plans. Owners, S. S. White Dental Mfg. Co., Frankford, Philadelphia. Brick, 1 story, 17½ x 36 feet, slag roof, concrete foundations, slag roof, electric lighting. Contract awarded to Rush Bros. 1100 Fillmore street, Philadelphia.

**Store (alt. and add.)**, Southeast Corner Twenty-fifth and Columbia avenue, \$3,800. Architect, private plans. Owner, Edw. P. Gil- den, 2533 Columbia avenue. Brick, 1 story addition 15 feet 9 inches x 9 feet, slag roof, electric lighting and general interior alterations. Contract awarded to E. C. Durell, 1713 North Twenty-fourth street, Philadelphia.

**Factory (alt. and add.)**, 2926 West Dauphin street, Philadelphia, \$12,000. Architect, A. E. Gibson, care of Dental Supply Co., 5019 Stiles street. Owner, International Tooth Co., 2926 West Dauphin street, Philadelphia. Brick and reinforced concrete, 26x40 feet, slag roof, concrete foundations, steam heating, electric lighting, concrete floors. Contract awarded to P. Haiback Cont. Co., Twenty-sixth and Thompson streets.

**Store (alts.)**, 2514 Kensington avenue, \$3,000. Architect, private plans. Owner, name withheld. General interior alterations, composition floors, stone base, electric lighting, skylights, cement work, millwork, flush bulk, galvanized iron enclosure. Contract awarded to Wm. F. Koelle Co., Twenty-sixth and Oxford streets, Philadelphia.

**Church**, Wistar and Wakefield streets, Germantown. Architect, private plans. Owners, Third Baptist Church of Germantown, care of Rev. J. Wallace Green, 4986 Baynton street, Germantown. General restoration of fire damage, slate roof, electric lighting, new floor, etc. Contract awarded to R. M. Peterson & Son, 5018 Germantown avenue.

**Dwelling (alts.)**, 1734 Mt. Vernon street, \$1,975. Architect, private plans. Owner, Edw. Hutchinson, Jr., Liberty Building, Philadelphia. Changing partitions, plumbing, plastering, painting. Contract awarded to E. E. Hollenback, Inc., 1804 Brandywine street.

**Theatre (alt. and add.)**, Juniper and Mar-

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Office Building**, Third and Venango streets, Philadelphia, \$8,000. Architect, private plans. Owners, Allen Iron & Steel Co. care of W. C. Stoddart, President, on premises. Brick, 2 stories, 35x50 feet, slag roof, cement and yellow pine floors, steam heating, electric lighting, concrete foundations. Contract awarded to Thos. C. Trafford 1613 Sansom street.

**Store Building (alts.)**, Fifty-second and Ludlow streets, Philadelphia. Architect, J. Wilmer Thompson, 703 South Sixtieth street, Philadelphia. Owner, Henry Felt, Fifty-second and Girard avenue. New bulk, mill work, painting, electric lighting, tile and marble work. Contract awarded to B. Bornstein, 1510 North Franklin street.

**Store (alt. and add.)**, 110 South Fifty-second street, Philadelphia. Architect, J. Wilmer Thompson, 703 South Sixtieth street, Philadelphia. Owner, Henry Felt, Fifty-second and Girard avenue, Philadelphia. Brick and

steel, 1 story, 21x27 feet, slag roof, stone foundations, electric lighting, tile and marble work, hollow metal skylights, new bulk, oak and cement floors, metal lath. Contract awarded to B. Bornstein, 1510 North Franklin street.

**Garage**, 425-27 Carpenter street, \$5,000. Architect, private plans. Owners, Rosen Bros., 1006 South Fifth street, Philadelphia. Brick, 2 stories, 40x120 feet, slag roof, steam heating, electric lighting, cement floor. Owners will build.

**Store and Dwelling**, Northwest corner Fourth and Ritner streets, Philadelphia, \$3,000. Architect, private plans. Owner, Dr. A. Richman, on premises. Brick addition, 2 stories, 16x13 feet, general alterations. Contract awarded to Harry Simonowitch, 832 North Fifth street.

**Factory**, Northeast corner Tackawanna and Gillingham streets, Philadelphia, \$4,900.



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ket streets, Philadelphia, \$4,500. Architects, Hoffman & Co., Finance Building Philadelphia. Owner, Globe Theatre, on premises. Dressing room, metal lath and plaster, fire escape and general repairs. Contract awarded to P. M. Sax, Franklin Bank Building, Philadelphia.

**Coal Pocket Retaining Wall**, Twentieth and Oregon avenue, Philadelphia, \$2,500. Architect, private plans. Owner, Girard Estate, care of Mr. Merkle, Lafayette Building, Philadelphia. Concrete, timber and steel rods. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

**Residence and Garage**, No. 411 St. Martins Lane and Hartwell street, \$25,000. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner's name withheld. Brick and hollow tile, 2½ stories, 45x30 feet, wing 20x30 feet. Garage, 1 story, 15x21 feet, slate roof, oak and cement floors, hollow tile, metal lath, stone foundations, tile and marble work, waterproofing (heating, plumbing and electric work reserved). Contract awarded to Specht

& Sperry, Heed Building, Philadelphia.

**Store (alts.)**, southeast corner of Eleventh and Chestnut streets. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owner, Walter G. Becker, on premises. Alterations, plastering, new stairway, electric lighting, mill work, metal ceiling. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

**Offices (alts.)**, Bourse Building, Philadelphia, \$10,000. Architect, private plans. Owners, American Telephone and Telegraph Co., Bourse Building. Macite partitions, mill work, cabinet work, electric work, heating. Contract awarded to F. L. Hoover & Son, 1023 Cherry street.

**Passometer Booths (5)**, Navy Yard, Philadelphia, \$2,500. Architect, private plans. Owners, Philadelphia Rapid Transit Co., 710 Dauphin street, Philadelphia. Frame, painting, glazing, hardware. Contract awarded to H. E. Baton, 1713 Sansom street, Philadelphia.

Pa. Owner, Commonwealth of Pennsylvania, State Armory Board, Harrisburg, Pa. Brick and stone, 2 stories and basement, 35x66 feet, slag roof, wood floors, steam heating, electric lighting, tile and marble work. Architect taking bids due March 22d. Beard Const. Co., Reading, figuring.

**Residence (alts.) to Store and Apartments**, Lebanon, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Chas. Gannon, North Ninth street, Lebanon, Pa. Brick, 3 stories, composition roof, maple floors, new heating system, electric lighting. Plans in progress. J. H. Greiner, Lebanon, Pa., will take sub-bids.

**Roads**, Lehigh County, Pa. Engrs., State Highway Department, Harrisburg, Pa. Owners, State Highway Department, Harrisburg, Pa. Concrete. Owners are taking bids due March 20th. Warren-Moore Co., Colonial Trust Building, Philadelphia, is figuring.

**Residence**, Lone Oak Farm, Delaware County, Pa. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia, Pa. Owner, Miss Fannie Cochran, on premises. Brick and stucco, 3 stories, 38x28 feet, slate roof, stone foundations, hot water heating, electric lighting, tile work, yellow pine floors. Plans in progress. Will be ready for bids in a week.

**Residence**, Reading, Pa. Architect, R. B. Okie, Crozer Building, Philadelphia. Owner, J. B. Cullum, Reading, Pa. Frame, 2½ stories, 33 feet 2 inches x37 feet 10 inches, shingle roof, North Carolina pine floors, stone foundations, warm air heating, electric lighting. Architect taking bids due March 14th. F. B. Davis, 240 North Sixteenth street, Philadelphia; Chas. Schlegel, Reading, Pa.; Beard Const. Co., Reading, Pa.; Fred H. Kaiser, Pottstown, Pa., and Gordon Nagle, Pottsville, Pa., are figuring.

**Church**, near West Chester, Pa. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Father Munion, Chester Heights, Wilmington, Del. Stone, 30x50 feet, tile roof, tile floors, hot air heating, electric lighting. Ready for bids.

## PENNSYLVANIA

## Construction News

**Garage**, 215 North Thirteenth street, Reading, Pa. Architect, C. J. Young, 246 Jameson street, Reading, Pa. Owner, Dominic Maurer, 1031 Walnut street, Reading, Pa. Concrete, 1 story, 14x30 feet, slag roof, concrete floors, electric lighting. Owner taking bids.

**Store and Apartment Building (alt. and add.)**, Fifteenth and Woodland streets, Reading, Pa. Architect, C. J. Young, 246 Jameson street, Reading, Pa. Owner, E. L. Schreick, 1009 Oley street, Reading, Pa. Hardwood floors, tile work, plate glass, hollow metal skylights, wire work. Plans in progress. Owner will take bids in a week.

**School**, Boyertown, Pa., \$25,000. Architect,

E. Z. Scholl, 136 Robeson street, Reading, Pa. Owner, Boyertown School District, Boyertown, Pa. Brick, 2 stories and ground floor, 140x80 feet, composition roof, gumwood floors, electric lighting, roof ventilators. Architect and owner taking bids.

**Machine Shop**, Beech street, Reading, Pa. Architects, Muhlenberg Bros., 511 Penn street, Reading, Pa. Owners, American Die and Tool Co., Second and Buttonwood streets, Reading, Pa. Brick and wood, 1 story, 64x40 feet, composition roof, wood floors, electric lighting. Architects have received bids.

**Armory (add.)**, Reading, Pa. Architect, Muhlenberg Bros., 511 Penn street, Reading,

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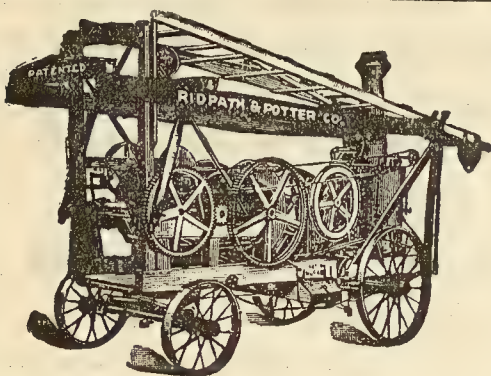
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**College Buildings, Huntingdon, Pa.** Architect, G. Edwin Brumbaugh, 1733 Real Estate Trust Building. Owner, Juniata College, Huntingdon, Pa. Brick and limestone, auditorium, recitation buildings, science buildings, music school, Bible school, gymnasium, administration building, dormitories and dining halls, to be built first, slate roofs. Plans in progress. Too early for details.

**Gateway and Private Road, West Chester, Pa.** Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. Stone, 20 feet wide, 10 feet high, ½ mile road. Architect will be ready for bids March 16th.

**Woodworking Plant (add.), Boyertown, Pa.** Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Boyertown Burial Casket Co., 1211 Arch street, Philadelphia. Brick, 1 story and part basement, 100x200 feet, stone foundations, steel truss reinforced slag roof, steam heating, electric lighting, hollow metal skylights, yellow pine floors. Architects are taking sub-bids.

**Dormitory Building, Torrance (formerly Blairsville), Pa.** Consulting Architect, Geo. S. Idell, 34 South Sixteenth street, Philadelphia. Architect, F. McC. Crooks, Pittsburgh, Pa. (530 Fourth avenue). Owner, Western State Hospital for Insane, care of Samuel S. Reighard, President of Building Committee, Altoona, Pa. Brick, stone and concrete, 2½ stories, 320x35 feet (2) wings 35x80 feet, tile roof, stone foundations, steam heating, electric lighting, tile and marble work, composition floors, hollow tile, metal lath, safety treads, roof ventilators, metal window guards, waterproofing, dampproofing, fire towers. Will build 15 buildings. Architect will take bids on first in about three weeks.

**Garage (alts.), Huntingdon Valley, Pa.** Architect, R. B. Okie, Crozer Building, Philadelphia. Owner, Wm. J. Justice, Jr., care of N. & G. Taylor, 300 Chestnut street, Philadelphia. Stone, general alterations and renovation. Architect taking bids. Gordon Nagle, Pottsville, Pa.; Fred H. Kaiser, Pottstown, Pa.; Beard Const. Co. and Chas. Schlegel, both of Reading, are figuring.

**Residence, Springfield, Pa.** Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, Frank R. Conley, care of architect. Stone and stucco, 2½ stories, 32x54 feet. shingle roof, yellow pine floors, steam heating, electric lighting, tile work. Architect taking bids due March 15th. E. J. Kreitzburg, 1345 Arch street, is figuring.

**Residence, St. Davids, Pa.** Architect, Francis A. Gugert, Wayne, Pa. Owner, name withheld. Hollow tile and stucco, 2 stories, 26x50 feet, shingle roof, oak floors, stone foundations, hot water heating, electric lighting. Plans in progress. Will take bids in a week.

**Residence, Manoa, Pa.** Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner's name withheld. Stone and stucco, 2½ stories, 26x35 feet, shingle roof, oak floors, hot air heating, electric lighting, tile and marble work. Architect taking bids, due March 15th. Stacy Reeves & Son, 2011 Market street, Philadelphia; W. Harry Roberts, Upper Darby P. O., Pa., and E. Oscar Lobb, Llanerch, Pa., are figuring.

**Garage (alts.), Ashbourne Road, Elkins Park, Pa.** Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, Chas. Silverman, Elkins Park, Pa. Stone, 2 stories, 36x24 feet, slate roof, plumbing, heating, elec-

tric lighting. Architect taking bids, due as soon as possible. Stacy Reeves & Son, 2011 Market street, are figuring.

**Church, Aldan, Pa.** Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Union Church, care of Wm. L. Off, Aldan, Pa. Frame, 1 story, 32x64 feet, shingle roof, concrete foundations, hot air heating, gas lighting, yellow pine floors. Plans completed. Owners will take bids.

**School, Nineteenth and Leiper streets, Eddystone, Pa.** Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, School Board, care of George Davis, president, Eddystone, Pa. Brick and stone. Sketches drawn. Too early for details.

**Garage, Delaware and Partridge avenues, Ridley Park, Pa.** Architects, Seeburger & Rabenold, Pennsylvania Building, Philadelphia. Owner, T. P. Ward, 226 Henderson avenue, Ridley Park, Pa. Stone, 1 story, 21x26 feet, slate roof, cement floor, hot water heating, electric lighting. Architects taking bids, due March 14th. J. Howard Roberts, Lansdowne, Pa., and Wm. Provost, Chester, Pa., are figuring.

**Farm House (alts. and add.), Vacation House, Willow Grove, Pa.** Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owners, Methodist Episcopal Church, care of Rev. Bishop Joseph F. Berry, Seventeenth and Arch streets, Philadelphia. Brick, 2½ stories, general renovation, new partitions, hot air heating, plumbing, plastering, painting. Plans in progress.

## PENNSYLVANIA

### Contracts Awarded

**Residence and Stable (add.), Booth lane, Haverford, Pa., \$50,000.** Architect, A. H. Brockie, Presser Building, Philadelphia. Owner, W. M. Anderson, 600 Schuylkill avenue, Philadelphia. Stone, 2½ stories, slag and slate roof, oak floors, metal weather strips, iron work, tile and marble work, electric lighting (heating, decorating, screens and lighting fixtures reserved). (Grading and road building reserved by owner.) Contract awarded to H. E. Grau Co., 1707 Sansom street, Philadelphia.

**Parish House, Garrett road and Riverview avenue, Drexel Hill, \$20,000.** Architect, pri-

vate plans. Owners, Episcopalian Chapel of the Incarnation, care of Mr. Cassalf, Chairman of Building Committee, Drexel Hill, Pa. Stone, 1 story and basement, 28x74 feet, 20x17 feet and 13x16 feet, slate roof, stone foundations, steam heating, electric lighting, cement and yellow pine floors, hollow tile, iron work. Contract awarded to Bowden Const. Co., 1713 Sansom street, Philadelphia.

**Railroad Extension, Fort Mifflin, Pa.** Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Lowest bid submitted by H. A. McClemen & Bros., Thirteenth and Shunk streets, Philadelphia, \$19,450.

## NEW JERSEY

### Construction News

**Hotel (alts.), Beach Haven, N. J.** Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, Robert F. Engle,

Hotel Engleside, N. J. Changing partitions on first floor, plumbing and fixtures, electric lighting and fixtures. Owner will build.

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**Drug Store**, Boardwalk, Beach Haven, N. J. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, Robert F. Engle, Beach Haven, N. J. General interior renovation, new fixtures. Owner will build.

**Comfort Station**, Boardwalk, Beach Haven, N. J. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, Robert F. Engle, Beach Haven, N. J. Frame, 1 story, 22x31 feet, shingle roof, composition floors, electric lighting, plumbing. Plans completed. Owner will build.

**Factory**, Elm, N. J. Architect, H. B. Weldon, 1606 Cherry street, Philadelphia. Owner, Fruit Belt Products Co., care of Harman Neill, 1634 South Broad street, Philadelphia. Frame, 1 and 2 stories, various sizes, ready roof, cement floors, elevator. Owners are taking sub-bids.

**Theatre and Stores**, Audubon, N. J. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owner, Joseph O'Hara, Audubon, N. J. Brick, 2 stories, 50x130 feet, slag roof, concrete foundations, pine floors, electric lighting, roof ventilators, fire escapes. Plans in progress. Owner will build.

**Store (alts.)**, 1132-34 Broadway, Camden, N. J. Architects, Moffett & Stewart, Camden, N. J. Owner, Howard B. Lee, on premises. New front, plate glass, tile and marble work, interior alterations. Contract awarded to J. W. Draper, Camden, N. J.

**Cottage**, Lumberton, N. J. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, name withheld. Frame, 2½ stories, 34x29 feet, shingle roof, oak floors, hot air heating, electric lighting. Architects taking bids due March 19th. M. L. Watson, Lumberton, N. J.; L. C. Mathis, Medford, N. J., and E. W. Esham and Walter Allen, both of Mt. Holly, N. J., are figuring.

**Residence**, Barrington Heights, N. J. Architect, Fred T. Uezzell, 717 Walnut street,



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PHILADELPHIA

Philadelphia. Owner, Henry Uezzell, R. F. D. No. 1, Collingswood, N. J. Brick and stucco, 2 stories, 30x32 feet, slate roof, oak floors, concrete foundations (hot water heating reserved), combination lighting, tile work. Garage will be built later. Plans about completed. Architect will take bids in a few days.

in this office at 3 P. M. March 21, 1919, for changes in the United States post office at Akron, Ohio. Drawings and specifications may be obtained from the Custodian or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

## DELAWARE

# Construction News

**Colonial Residence**, Seventeenth street, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. Brick, 2½ stories, 42x24 feet, wing 27x18 feet, slate roof, hardwood floors, stone foundations, hot water heating, electric lighting, tile and marble work. Plans in progress.

**Apartment House**, Washington street, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. Brick, 3 stories, 27x150 feet, hot water heating, electric lighting, tile and marble work, hardwood floors. Preliminary plans in progress.

**Factory**, Twelfth and Dure streets, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, Electric Hose & Rubber Co., on premises. Brick, steel and concrete, 2 stories, 63x210 feet and 45x30 feet, composition roof, cement and yellow pine floors, metal lath, elevators, rolled steel sash, fire doors, sliding steel doors. Architects taking bids due March 15th. Pomerooy Const. Co., 1609 Ransstead street, Philadelphia; H. D. Haddock & Co., 804 Orange street; J. E. Healy & Co., 707 Tatnall; H. D. Watts Co., Old Wawasett pike, all of Wilmington, Del., and Stewart-Wiley Co., Claymont, Del., are figuring.

**Residence**, 708 Rodney street, Wilmington, Del. Architect, E. L. Rice, 815 Market street,

Wilmington, Del. Owner, William Susummer, Wilmington, Del. Brick, 2 stories, 27x41 feet, asbestos roof, stone foundations, hot water heating, electric and gas lighting, tile and marble work, pine floors. Architect has received bids.

**Dwelling**, 12 East Twenty-third street, Wilmington, Del., \$4,000. Owner, S. Cantera, 1837 West Eighth street, Wilmington, Del. Brick, 2 stories, 17x47 feet, slag roof, stone foundations, hot water heating, electric lighting. Owner will build.

**Residence (alt. and add.)**, 819 Washington street, Wilmington, Del., \$10,000. Architect, privatet plans. Owner, Marshall Yeatman, 611 Adams street, Wilmington, Del. Brick, 3 stories, add. 25x37 feet, 2 story add. 16x32 feet. Contract awarded to Charles Forwood, 2014 Boulevard, Wilmington, Del.

## Proposals

### INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 28, 1919.—Sealed Proposals will be opened

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., March 7, 1919. SEALED PROPOSALS will be opened in this office at 3 P. M., March 28, 1919, for changes, additions, etc., at the United States Post Office, Youngstown, Ohio. Drawings and specifications may be obtained from the Custodian of the Post Office or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., March 5, 1919. SEALED PROPOSALS will be opened in this office at 3 P. M., April 2, 1919, for sewer and water supply connections at the United States Marine Hospital at New York, N. Y. (Stapleton), in accordance with specifications and drawings, copies of which may be had at this office or at the office of the Supervising Chief Engineer, Frank A. Lang, 731 Custom House, New York, N. Y., in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., March 6, 1919. SEALED PROPOSALS will be opened in this office at 3 P. M., March 27, 1919, for alterations in the United States Post Office and Custom House building at Albany, N. Y. Drawings and specifications may be obtained from the Custodian of the building at Albany, N. Y., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

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## MARYLAND Construction News

**Store and Warehouse**, East Lexington street, Baltimore, Md. Architect, F. J. Beall, 1335 North Gilmore street, Baltimore. Owner's name withheld. Brick, steel and stucco, 3 stories, 30x30 feet, slag roof, steam heating, electric lighting, fire escapes, hollow metal skylights, ventilators, fireproofing, hollow tile, plastering, plumbing, tile, slate and terrazzo work. Plans in progress.

**Theatre**, Fayette street and Philadelphia avenue, Baltimore, Md. Architect, W. O. Sparklin, 1402 Fidelity Building, Baltimore. Consulting engineer, W. C. Schnabel, 3016 Harford Road, Baltimore. Owners, Greater Baltimore Theatre Co., care of Chas. Nelto, manager, 2706 Philadelphia avenue, Baltimore. Brick and steel, 1 story, 75x150 feet, slag roof, steam heating, ventilators, plastering, decorating, plumbing. Plans in progress. Will take bids in about three weeks.

**Warehouse (add.)**, 118-120 West Pratt street, Baltimore, Md., \$15,200. Architects, Callis & Callis, 2055 Kennedy avenue, Baltimore, Md. Owners, Merin Bros., 1024 East Baltimore street, Baltimore. Brick, 19x90 feet, general remodeling, slag roof, wood floors, elevator. Owners will build and will take sub-bids at once.

**Hospital (add.)**, Marine Hospital Grounds, Baltimore, Md. Architect, Jas. A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, care of Treasury Department, Washington, D. C. Furnishing labor complete, including heating, plumbing, electric conduits and wiring, with materials furnished by Government. Hospital Unit A-special, hospital unit B-1, attendants' quarters and additions to and changes in kitchen and mess hall for U. S. Marine Hospital, waterproofing, cement coating, slag roof, sheet metal work, painting, plastering, plumbing,

hot water heating, refrigerating system. Lowest bidders: Henry Reininga, Ellwood avenue, Baltimore, Md., \$32,828; Newport Eng. and Cont. Co., Newport News, Va., \$49,553.

**Church (add. and Tower)**, Cathedral and Read streets, Baltimore, Md., \$100,000. Architect, W. Ritter, Boston, Mass. Owners, Emanuel P. E. Church, care of Rev. Hugh Birkhead, pastor, 18 East Read street, Baltimore. Stone, slate roof and general renovation and addition to conform to present building. Plans in progress. Too early for details.

**Apartment**, Lake Drive, Md. Architect, Edw. L. Palmer, Jr., 513 North Charles street, Baltimore. Owner, A. T. Carrozza, 2340 Mt. Royal Terrace, Baltimore. Brick, steel, stone and concrete, 8 stories, 80x130 feet, slag roof or tile roof, steam heating, electric lighting, 2 electric elevators, steel and iron work, fire escapes, copper and galvanized iron work, ornamental iron work, ventilators, fireproofing, dampproofing, terra cotta, hollow tile, plastering, painting, plumbing, tile, marble and terrazzo work, composition and hardwood floors, dumb waiters, vacuum cleaning system, refrigerators. Plans in progress.

**Store (alts.)**, Eastern avenue and First st., Baltimore, Md. Architect, George R. Callis, Jr., Melvin avenue, Catonsville, Md. Owners, Baltimore Five and Ten Cent Store, on premises. Flush bulks, plate glass, marble trim, steam heating, electric lighting, steel and iron work, copper and galvanized iron work, metal ceilings, skylights, ventilators, plumbing, tile and terrazzo work, plastering, painting. Architect taking bids, due as soon as possible. E. Eyring & Son, 800 South Third street; Fred Stein, 17 South Washington street, and Israel Silberstein, 607 Equitable Building, are figuring.

## MARYLAND Contracts Awarded

**Bakery (add.)**, 1100 South First street, Highlandtown, Md., \$7,000. Architect, John Freund, 16 East Biddle street, Baltimore, Md. Owner, Wm. Riehle, on premises. Brick, 1 story, 30x70 feet, slag roof, steel beams, skylights, electric lighting, composition floors, painting, plumbing. Contract awarded to John Geissler, 124 South Highland avenue, Baltimore, Md.

**Factory (add.)**, Westport, Md., \$50,000. Architects, Blanke & Zink, 213 North Calvert street, Baltimore, Md. Owners, Maryland Glass Corp., Emerson Tower Building, Baltimore and Westport, Md. Brick and concrete, 2 stories, 68x110 feet, asbestos shingle roof, electric lighting, steel sash, metal doors, hollow metal skylights, ventilators, fireproofing, hollow tile, painting, composition floors. Contract awarded to Price Const. Co., Maryland Trust Building, Baltimore.

**Factory (add.)**, 704 Durham street, Baltimore, Md. Architects, Callis & Callis, 2055 Kennedy avenue, Baltimore, Md. Owner, E.

H. Josselyn, on premises. Brick, steel and concrete, 4 stories, 25x125 feet, slag roof, mill work, steam heating, electric lighting, elevators (electric), fire escapes, hollow metal skylights, ventilators, fireproofing, plastering, plumbing, steel and iron work, painting. Contract awarded to Elijah Thompson, 1803 Harford avenue, Baltimore.

**Hotel (add.)**, 437 Druid Hill avenue, Baltimore, Md., \$5,000. Architects, Callis & Callis, 2055 Kennedy avenue, Baltimore. Owner, Thomas Smith, on premises. Brick, 3 stories, 28x71 feet, general alterations and additions. Contract awarded to Singer-Pentz Co., Equitable Building, Baltimore.

**Dwellings (9)**, 3001-3017 Presbury street, Baltimore, Md., \$20,000. Architect, private plans. Owner, Philip S. Morgan, 12 East Lexington street, Baltimore. Brick, 2 stories, tin or slag roof, hot water or hot air heating, electric lighting, skylights, painting, plastering, plumbing. Owner will build and is taking sub-bids.

**Dwellings (34)**, Bartlett avenue and Adams street, Baltimore, Md., \$25,000. Architect, J. E. Gerwig, 1811 North Ashburton street, Baltimore. Owner, William A. Parr, 1521 East North avenue, Baltimore. Brick, 2 stories, 15x50 feet, slag roof. Owner will build.

**Pumping Station**, Dickeyville, Md. Architect, private plans. Owners, Baltimore County Water and Power Co., 100 West Fayette st., Baltimore, Md. Brick, 1 story and cellar, 20x30 feet, slag roof, steam heating, electric lighting, steel and iron work, hollow metal skylights, iron work, dampproofing, painting, plumbing. Contract awarded to Price Const. Co., Maryland Trust Building, Baltimore.

### Permits for New Buildings

**Storage Shed**, 3230-3234 Market street, \$500. Supply-Wills-Jones Co. (O), Twenty-sixth and Juniper streets. Geo. Kessler Co. (C), 911 Drexel Building. Frame, 30x46 feet.

**Warehouse**, Torresdale avenue and N street, \$7,500. Walther Mfg. Co. (O), on premises. Geo. H. Thirsk (C), Horrocks and Adams avenue. Brick, 1 story, 50x100 feet.

**Packing House**, 429 Fairmount avenue, \$27,000. H. C. Derby Co. (O), on premises. J. Sims Wilson (C), 1125 Brown street. Brick, 2 story, 20x95 feet, slag roof.

**Garage**, 4721 Umbria street, \$300. A. Eugene Sabo (O), on premises. Mose Labum (C), West Manayunk. Brick, 1 story, 13x18 feet.

**Store and Dwelling**, 704 South street, \$8,200. J. Bufalit (O), 704 South street. J. Gorchoo (C), 4116 Girard avenue. Brick, 3 story, 19x34 feet, 10x29 feet, slag roof.

**Store and Office**, 232-234 North Fifteenth street, \$18,000. Edw. Alexander (O), Penfield Building. D. Henwood (C), 1509 Wood street. Brick, 2 stories, 40x120 feet, slag roof.

**Garage**, Marvine street, north Somerville avenue, \$1,625. V. Hamertoy, 5415 North Twelfth street. G. R. Dewees (C), 311 Grange avenue. Brick, 1 story, 20x30 feet.

**Office**, Westmoreland street, west Twenty-second street, \$1,500. Marshall Scrap Iron Co. (O), 1327 Washington street. Sutton & Stephenson (C), 1317 Washington street. Brick, 1 story, 14x16 feet.

**Warehouse**, Torresdale avenue and N street, \$7,500. Louis Walther Mfg. Co. (O), on premises. G. H. Thirsk (C), Horrocks and Adams street. Brick, 53x193 feet.

**Garage**, 6420 Woodbine avenue, \$2,500. J. T. eDe (O), on premises. Milton W. Young (C), 2021 Upland Way. Stone, 2 stories, 18x22 feet.

**Garage**, 5217 North Third street, \$500. W. P. Sathl (O and C), 5209 North Third street. Brick, 1 story, 10x17 feet.

**Garage**, 5215 North Third street, \$500. Frank Pilon (O), on premises. E. Stahl (C), 5209 North Third street. Brick, 1 story, 10x17 feet.

**Garage**, 2321 Orthodox street, \$300. Chas. Glinka (O), on premises. Walter Peters (C), 4605 Tacony street. Brick, 1 story, 16x29 feet.

**Dwelling**, 4527 East Thompson street, \$350. John Peters (O and C), 4607 Tacony street. Brick, 2 story, 16x14 feet.

**Dwelling (6)**, \$5,700 each, 5834, 36, 38-40-42-44 Baltimore avenue. Chas. Armstrong (O and C), 944 South Fifty-eighth street. Brick, 2 stories, 16x33 feet, 12x10 feet, slag roof.

**Dwelling**, 5832 Baltimore avenue, \$6,700. Chas. Armstrong (O and C), 944 South Fifty-

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eighth street. Brick, 2 stories, 16x44 feet, slag roof.

Office, Twentieth and Spencer. I. K. Davis (O and C, on premises. Brick, 2 stories, 16x49 feet.

Shelter Shed, Milnor and South Bridge streets, \$4,500. P. R. T. Co. (O and C), 810 Dauphin street. Frame, 19x120 feet.

Dwellings, 3338-40 Almond street, \$4,000. Sadie Pezillo (O), 3347 Almond street. F. Pezillo (C), 3347 Almond street. Brick, 2 stories, 14x25 feet, 12x12 feet, slag roof, hot air heat.

Shop, Hilton street, west of Jasper street, \$500. Maria Thyroff (O), Allegheny avenue, west Jasper. J. Mortimer (C), 3377 Emerald street. Brick, 1 story, 18x35 feet.

Shop, 624 East Hilton, \$350. F. P. Huster (O), on premises. J. Mortimer (C), 3377 Emerald street. Brick, 1 story, 11x15 feet.

Dwellings (2), Forty-tenth and Sansom streets, \$150,000 each. Nathan Raidman (O and C), 4737 Sansom street. Brick, 4 stories, 60x87 feet.

Dwelling, Camac and Somerville, \$5,300. W. J. Baltz (O and C). Brick, 2 stories, 16x46 feet, slag roof.

Dwellings (6), Camac street, south Somerville street, \$4,600. W. J. Baltz (O and C), 7091 Butler street. Brick, 2 stories, 16x28 feet, 13x18 feet, slag roof, hot water heat.

Garage and Shop, Fifty-third and Thomas avenue. Abraham Sharp (O and C), 5237 Baltimore avenue. Brick, 2 stories, 60x125 feet, slag roof.

Dwelling, Sixtieth and Larchwood avenue, \$15,000. Breman Bros. (O and C), 6019 Market street. Brick, 3 stories, 20x46 feet, slag roof, hot water.

Dwellings (2), Sixtieth and North Larchwood avenue, \$10,000. Breman Bros. (O and C), 6019 Market street. Brick, 3 stories, 17x18 feet, 14x29 feet, slag roof.

Dwelling, Sixtieth and Larchwood avenue, \$10,000. Breman Bros. (O and C), 6019 Market street. Brick, 3 stories, 18x18 feet, 15x29 feet, slag roof, hot water heat.

Dwellings (16), South side Sansom, west of Forty-seventh street, \$64,000. Nathman Radmon (O and C), 4737 Sansom street. Brick, 2 stories, 18x33 feet, slag roof, hot water heat.

Woodside Park Store, Ford road and Monument avenue, \$1,500. (O) Mrs. A. Walsh, 2529 West Lehigh avenue. Frame, 1 story, 30x50 feet, slag roof. (C) Chas. Brown, 2718 North Twenty-eighth street.

Garage, 916 North Sixty-fourth street, \$900. (O) Moss & Taylor, 560 North Fifty-eighth street. Garage, stone, 1 story, 13x17 feet, slag roof.

Dwelling, Overbrook and Bryn Mawr avenues, \$12,000. (O) T. F. Reilly, Wynnefield, Pa. Stone, 2 stories, 81x28 feet, slate roof.

Garage Ogden street, east of Forty-first street. Brick, 1 story, 12x14 feet, slag roof, \$750. (O) I. Forman, on premises. (C) A. Yermanack, 3828 Cambridge street.

Garage, Northeast corner Thirteenth and Medary streets. (O) J. Wesley Fretz, Thirteenth and Medary avenue. Cost, \$400. Stone, 1 story, 12x18 feet. (C) Lewis Jones, Jr., 1100 North Sixty-third street.

Scenic Pavilion, Ford Road and East of Monument avenue, \$2,600. (O) Ld. Thompson Scenic Railway Co., 225 North Forty-second street, New York City. Frame, 1 story, 100x30 feet.

Woodside Park Coaster Ride, Ford Road and Monument avenue, \$1,200. (O) Ld. Thompson Scenic Railway Co., 220 West For-

ty-second street, New York City. Frame, 1 story, 10x20 feet.

Factory, Northeast corner Tackawanna and Gillingham streets, \$4,900. (O) S. S. White Dental Mfg. Co., Frankford. Brick, 1 story, 19½x36 feet. (C) Rush Bros., 1100 Fillmore street.

Store and Dwelling, Northwest corner Fourth and Ritner streets, \$3,000. (O) Dr. A.

Richman, on premises. Brick, 2 stories, 16x13 feet, add., alterations. (C) Harry Simonvitch, 832 North Fifth street.

Garage, 425-27 Carpenter street, \$5,000. (O) Rosen Bros., 1006 South Fifth street. Brick, 2 stories, 40x120 feet, slag roof.

Church, 2416-18 West York street, \$5,000. (O) J. W. Harris, 2420 West York street. Brick, 1 story, 30x60 feet.

## PERMITS FOR Alterations and Additions

O is the abbreviation for owner. C is for contractor.

### Philadelphia

Stable, 352 North Second street, \$1,857. (O) Goldfine Bros., 330 North American street. Alterations and repairs. (C) Michael S. Kirshner, 421 Snyder avenue.

Elevator Enclosure, Northeast corner American and Dauphin streets, \$300. (O) Abram Cox Stove Co., on premises. (C) H. E. Baton, 1713 Sansom street.

Store and Dwelling, 1960 North Thirty-first street, \$600. (O) M. Barrow, on premises. New flush bulk, alterations. (C) M. Lessee, 816 Winton street.

Garage, 130 West Walnut Lane, \$400. (O) W. E. Fitzgerald, on premises. General repairs and alterations. (C) H. M. Irvin, 1613 Ranstead street.

Garage, 631 Reed street, \$475. (O) Samuel Crystal, on premises. Alterations. (C) Philip Savar, 718 Snyder avenue.

Store and Dwelling, 2719 North Fifth street, \$325. (O) Edward T. Littman, 2913 North Fifth street. Flush bulk alterations. (C) P. Savar, 718 Snyder avenue.

Garage and Stable, 721 Cantrell street, \$350. (O) I. Shaw, Northwest corner Franklin and Berks streets. Alterations. (C) P. Savar, 718 Snyder avenue.

Store and Dwelling, 1603 Juniata street, \$1,800. (O) Michael Sinebsmink, on premises. Brick, 2 stories, 15½x15½ feet. (C) J. J. Hurley, 446 Cresson street.

Store and Dwelling, 1309 South street, \$300. (O) Louis Levin, on premises. New brick front, 3 stories, flush bulk. (C) Julius Ostroff, 310 Porter street.

Dwelling, 6339 Race street, \$300. (O) John Cetrone, on premises. Front porch and alterations.

Store and Dwelling, 5739 Torresdale avenue, \$300. (O) Ph piliRobin, 2322 East Cambria street. Brick, 1 story, 16x9 feet, alterations and additions. (C) Max Neerenberg, 5739 Torresdale avenue.

Store and Dwelling, 1925 Callowhill street, \$1,500. (O) Emma C. Bergdo, Fifty-second and Wynnefield avenue. (C) John Cedori, 1325 Arch street.

Synagogue, 978-84 North Marshall street, \$475. (O) Congregation Keneseth Israel, on premises. Interior alterations. (C) David Warshoosky, 810 North Marshall street.

Store and Dwelling, Northwest corner Seventeenth and North streets, \$400. (O) Edw. B. Friel, 834 Windsor Square. Changing dwelling to store and dwelling, flush bulk. (C) Chas. A. Carr, Twentieth and Ogden streets.

Shop (alts.), 215 South Sydenham street, \$800. (O) Louis Le Gai, Wildemere Hotel, Broad and Locust streets. Alterations. (C)

John A. Codori, 1235 Arch street.

Carhouse, Southwest corner Tenth and Luzerne streets, \$600. (O) P. R. T. Co., 810 Dauphin street, \$6,000. Alterations.

Office, 4416 Main street, \$500. (O) Wm. H. Eddleman & Son, 453 Green Lane. Brick, second story addition, 14x18 feet and 10x10 feet.

Chicken Slaughter House, 2700 Boudinoot street, \$425. (O) J. Udell, 6248 Larchwood avenue. Interior alterations. (C) Jake Newborn, 2019 North Eighth street.

Bakery Bakeoven, 327 North Sixty-fourth street, \$1,000. (O) U. P. Food Consumer Co., on premises. Brick, 1 story, 16x14 feet addition. (C) Donato Di Tomaso, 346 North Simpson street.

Funeral Parlor, Southeast corner Twenty-fifth and Columbia avenue, \$3,800. (O) Edw. P. Gilden, 2533 Columbia avenue. Brick, 1 story, 15x9 feet, addition and alterations. (C) E. C. Durell, 1718 North Twenty-fourth street.

Dwelling, 1422 West Norris street, \$700. Brick, add. 12x8 feet, with veranda on top, 12x10 feet, and alterations. (O) H. H. Hoch, on premises. (C) T. J. Thompson, 2049 West Somerset street.

Store and Manufacturing Building, 523 Cherry street, \$3,500. (O) Montgomery Stewart Co., on premises. Brick, third story add., brick, 19x73 feet. (C) Wm. Meyer & Co., 216 Quarry street.

Store and Dwelling, 2225 Gray's Ferry Road, \$2,114. (C) F. Taddio and I. Domenico, on premises. Fire repairs. (C) John Schuster, 3552 North Fifteenth street.

Garage, 620 West Upsal street, \$900. (O) H. K. Marvill, 620 West Upsal street. Stone, side addition, 1 story, 9½x9½ feet. (C) Wm. J. Gruhler Co., 219 East High street.

Store and Dwelling, 3943 Lancaster avenue, \$330. (O) Penna. Co., 517 Chestnut street. Alterations. (C) A. Moryov, 3943 Lancaster avenue.

Store and Dwelling, 4323 Lancaster avenue, \$1,400. (O) Wm. S. Hitchner, on premises. Brick, 1 story rear addition, 16x30 feet. (C) Warren E. Biscoe, 2954 Ludlow street.

Dwelling, 2806 West Lehigh avenue, \$600. (O) W. Steppacher, on premises. Brick, second story addition, 10x15 feet. (C) Chas. D. Land, Northeast corner Twenty-eighth and Lehigh avenue.

Changing Dwelling to Rooming House, Southeast corner Fortieth and Brown streets, \$875. (O) Dr. T. J. Apry, on premises. (C) Warren E. Biscoe, 3954 Ludlow street.

Shop, 963-71 Frankford avenue, \$1,800. (O) J. & W. McCauley, on premises. Alterations

Our specialty is Portland Cement that will stick and pass the City Department. **DAVID FRANCE CO.,**  
Tasker Street Wharf, Delaware River, Philadelphia.



and repairs. (C) Jos. T. Meredit, 823 Cherry street.

Open Shelter Shed, 763-65 North Markoe street, \$300. (O) L. O'Connoor, 743 North Forty-fifth street.

Dwelling and Office (add.), 4305 Horrocks street, \$750. Leon Thirsk (O), 227 East Indiana street. Geo. H. Thirsk (C), Horrocks and Adams streets. Brick, rear 2 stories, 5x21 feet, side 2 stories, 4x14 feet, slag roof.

Dwelling (int. alt.), 231 West Tulpehoeken street, \$1,500. Alfred H. Lippincott (O), on premises. J. E. Walt (C), 204 East Willow Grove avenue.

Dwelling and Store (alt.), 852 North Tenth street, \$600. J. Bennowitz (O), on premises. Max Ciebler (C), 1213 North Forty-second street.

Dwelling (add.), 1415 South Clarion street, \$500. F. Gampretro (O), 912 South Delhi street. J. Festa (C), 1413 South Clarion street. Brick, 2 stories, 13x9 feet.

Store and Dwelling (general repairs), 2555 South Philip street, \$1,250. Abe Grossman (O), on premises. Chas. Schnitzer and S. Krwasher (C), 1619 South Franklin street.

Dwelling (int. alt.), 139 West Pelham Road, \$2,000. F. A. Delaplane (O), 143 Harber street. Horace H. Burrell (C), 206 Queen street.

Store and Dwelling (add. and alt.), 1528 West Susquehanna street, \$2,800. Abe Strouse (O), on premises. M. Yellen (C), 712 North Franklin street. Brick, 2 stories, 12x9 feet.

Office and Lodge Room (alt.), 4012 Chestnut street, \$5,000. E. Barrick (O), 6119 Columbia avenue. B. B. Douglas (C), 330 North Sixty-third street.

Change Moving Pictures to Store, Southeast corner Eighth and Fulton streets, \$3,000. Marchioney Bros. (O), 157 Berrcher street, New York. G. Fontana (C), 568 West Broadway.

Factory (add.), East side Bodine, North Diamond street, \$3,400. Dugan Wood (O), Susquehanna and Bodine streets. J. Gartonier (C), 2214 North Third street. Brick, 1 story, 18x67 feet.

Dwelling (alt.), 3546 North Broad street, \$1,200. Dr. C. H. Grimes, on premises. H. P. Werner (C), 3245 Germantown avenue.

Store (alt.), 2329 Ridge avenue, \$1,350. J. Berigh (O), 1720 North Twenty-fourth street. E. Clifford Duvell (C), 1713 North Twenty-fourth street.

Chemical Works, 24 North Fortieth street, \$578. A. C. Barnes Co. (O). A. J. Wilson (C), 5 Preston street.

Mfity. (alt.), Northeast corner Twenty-eighth and Parrish streets, \$4,320. Powell Knitting Co. (O), on premises. Frank I. Wintz (C), 1618 North Twenty-seventh street.

Boiler House (add.), James and Margaret streets, \$4,100. Blumenthal Bros. (O), on premises. Rust Bros. (C), 1100 Fillmore street. Brick, 1 story, 24x38 feet.

Dwelling (alt.), 2254 North Park avenue, \$1,000. Hollinder (O), on premises. Nathan & Basset (C), 609 Cherry street.

Dwelling (alt.), Forty-eighth and Regent streets, \$2,000. W. Rogers (O), 122 South Fourth street. J. Grasso (C), 2933 East Thompson street.

Store (alt.), 6 North Eleventh street, \$1,000. Weightman Walker Estate (O), 1524 Chestnut street. Basch & Co. (C), 1426 South Front street.

Store (alt.), 12 South Fifty-second street, \$1,000. J. Stetson (O), 1426 South Front street. Basch & Co. (C), 1426 South Front street.

PRIVATE individuals and corporations are responsible for most of the building activity in that section of the country east of the Missouri River and north of the Ohio, according to a statement just issued by the Division of Public Works and Construction Development of the United States Department of Labor. The building figures in the statement are for the first three weeks in February, and, while they show building activities far below the pre-war normal, they show, also, a marked increase in February over January of this year.

Contracts awarded during the first three weeks in February cover building and construction works to cost, approximately, \$92,000,000. The total of the January contracts was but \$50,731,000. February's increase over January, since the former figures are for three weeks only, will be more than \$50,000,000, or almost double the January figures.

New England is not making the showing Western districts are making. The New England States, during the first week in February, reported contracts awarded to the amount of \$331,000. In the second week the sum was \$554,000, and for the third week, \$662,000, making a total for the three weeks of \$1,537,000. The January total was \$4,648,000. The Department of Labor's statement makes this comment on the New England situation:

"The New England section contrasts in this respect with other sections of the country, especially the Middle West, where February is showing a large gain over January in the amount of contracts awarded. Of the contracts awarded during the week ending February 20, private construction was 94 per cent., while 6 per cent. was for Government construction, nothing in the way of municipal or State improvements being included. Of the private construction 22 per cent. was of an industrial character, 32 per cent. business, and 46 per cent. residential."

New York and New Jersey show a gain in February over January. During the first week in February this district reported contracts on building and construction work totaling \$3,716,000; during the second week, \$2,242,000, and in the third week, \$3,201,000. Total for the three weeks, \$9,159,000. The January total was \$8,152,000. Of the contracts awarded during the week of February 21, in money value, 71 per cent. was for private interests and 24 per cent. for State and municipal work, while Federal Government work was 5 per cent. Of the

private construction 78 per cent. was of an industrial nature and only 10 per cent. residential.

In Philadelphia, Baltimore and Washington and adjacent territory, contracts awarded in the first week of February were of a money total of \$2,187,000; the second week the total was \$1,577,000, and for the third week \$1,170,000, a total of \$4,934,000 for the three weeks. The contracts in January totaled \$15,805,000. This latter figure, however, was larger than the normal for January based on figures from 1910 to 1917. In that period the January contracts did not exceed \$10,000,000.

Ohio, West Virginia and Western Pennsylvania show contracts awarded in the sum of \$1,960,000 for the first week in February, \$3,363,000 in the second, and \$1,178,000 for the third week. As January shows contracts in the sum of \$7,916,000, if the district keeps up the February average for the last week in the month it will show a slight improvement over January. Residential building in this territory was 38 per cent. of the private building, which latter was 80 per cent. of the total.

Iowa, Illinois, Wisconsin, Indiana, Michigan, Missouri and Kansas, on the basis of the Department of Labor's figures, show approximately a five-fold increase in February over January. For the first week in February, in this district, the contracts reported totaled \$14,585,000; during the second week, \$8,383,000, and in the third week \$46,146,000. The three weeks' total is \$69,114,000. The January total was \$13,710,000. The Division of Public Works and Construction Development makes this comment on the Western figures:

"It is evident that the business men of the Central West are waking up to the fact that those who start building early this spring are not making any mistake in the matter of costs. Of the total of over \$46,000,000 for the week ending February 22, 91½ per cent. was private construction, 8 per cent. State and municipal work and a fraction of one per cent. Government construction."

Minnesota, North and South Dakota show an increase in February. For the first three weeks in February the contracts in this district total \$819,000, as against \$500,000 for the entire month of January. In the third week in February 90 per cent. of the contracts awarded were for private construction work, and of this 21 per cent. was for residential property.



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

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Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Face, Etc.).

O. W. Ketcham.....Builders' Exchange, Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.  
Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.  
Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.  
Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
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## Fences.

Anchor Post Iron Works,  
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## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.  
General Fireproofing Co.....832 Arch st., Phila.  
Henry S. Harris.....Land Title Bldg., Phila.  
Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truscon Steel Co....Commonwealth Bldg., Phila.

## Floor Plates.

Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.  
Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Insurance.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.  
Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.  
Harris J. Latta.....Penna. Bldg., Phila.  
Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Levels.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Light Iron Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lumber.

Wm. Lloyd Co.....29th and Ridge ave., Phila.  
James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Marble Mosaic.

Belf Bros. & Co.....1923 Market st., Phila.  
Italian Marble Mosaic Co...433 Spruce st., Phila.  
Roman Mosaic and Tile Co..435 Green st., Phila.

## Metal Lath.

Audubon Wire Cloth Co., Inc.....Audubon, N. J.  
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Richardson and Boynton Co.1332 Arch st., Phila.

## Refrigerators.

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## Reinforcing Bars.

Truscon Steel Co....Commonwealth Bldg., Phila.

## Roofing.

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## Roofing Tile.

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William Moore Co.....1506 Sansom st., Phila.

## Roofing Tin.

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## Roofing Slate.

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## Scales.

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## Slate.

William Moore Co.....1506 Sansom st., Phila.

## Soundings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Structural Slate.

William Moore Co.....1506 Sansom st., Phila.

## Surety Bonds.

Harris J. Latta.....Penna. Bldg., Phila.  
Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.  
Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

## Test Borings.

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## 126th Annual Statement

December 31, 1917

|                      |   |                 |
|----------------------|---|-----------------|
| Cash Capital         | - | \$ 4,000,000.00 |
| Reserve for Premiums | - | 10,630,740.40   |
| Reserve for Losses   | - | 4,419,000.00    |
| Reserve for Taxes    | - | 950,000.00      |
| Reserve for Sundries | - | 160,000.00      |
| Surplus              | - | 8,317,502.26    |

## TOTAL

\$28,477,242.66

|                                |   |                  |
|--------------------------------|---|------------------|
| Surplus to Policyholders       | - | \$ 12,317,502.26 |
| Losses Paid Since Organization | - | 192,518,273.33   |

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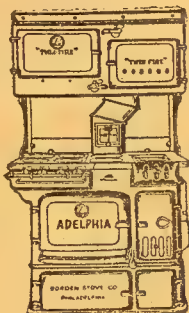
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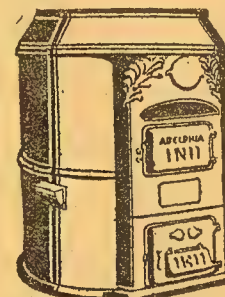
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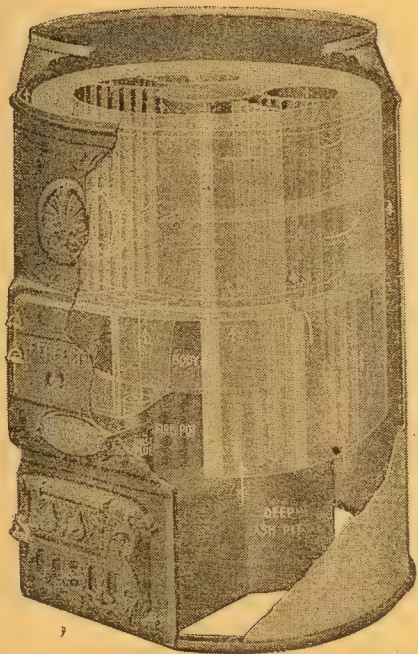
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 12  
March 19, 1919

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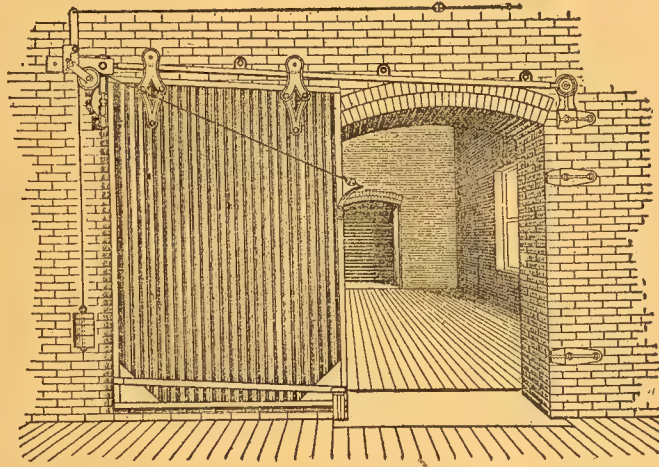


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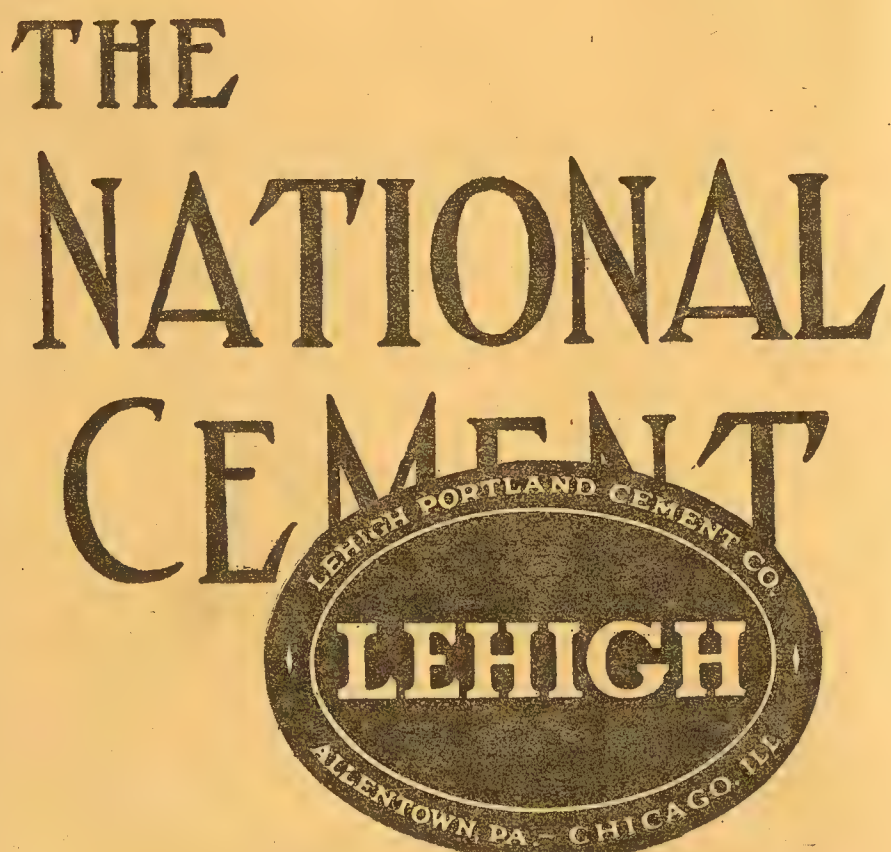
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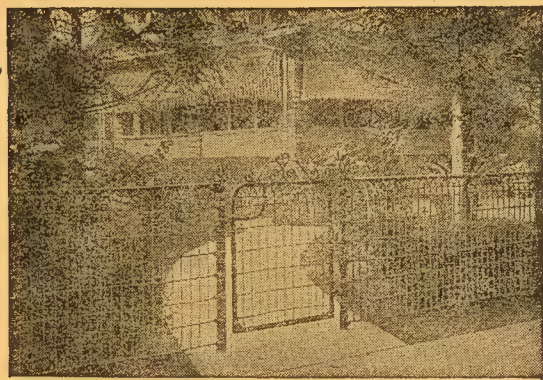
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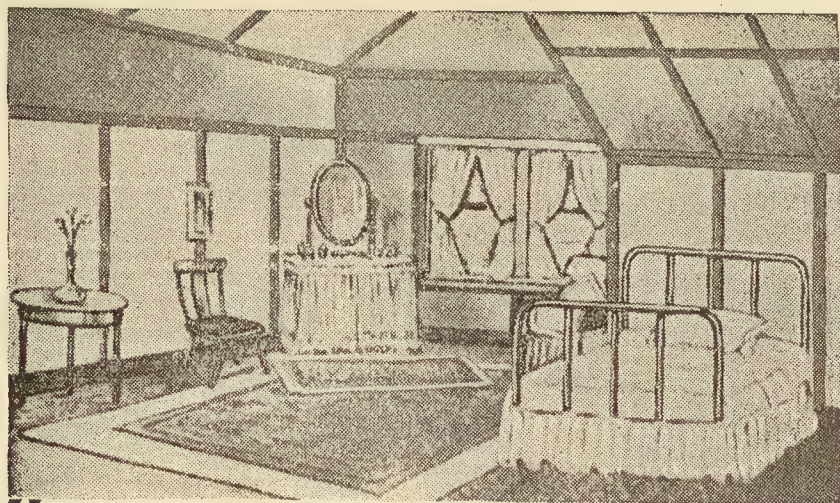


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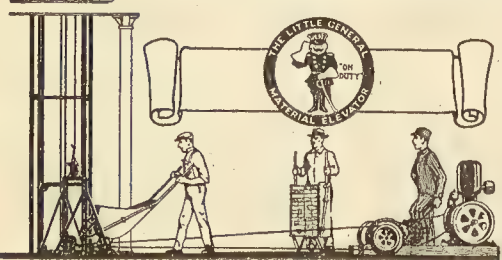
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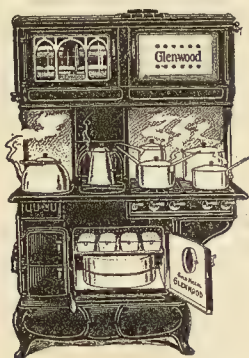
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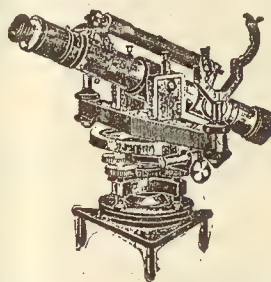
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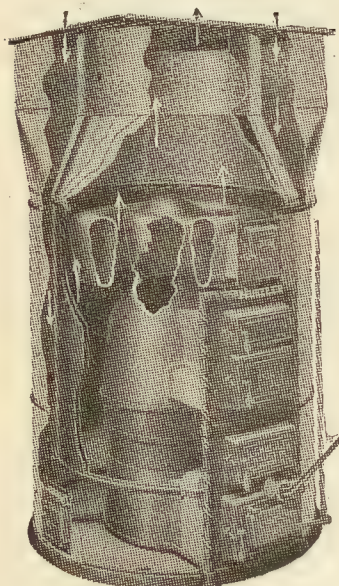
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 12

PHILADELPHIA  
March 19, 1919

## BUILDERS' GUIDE

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## As The Editor Sees It



**D**ESPITE the doubts and fears entertained by many as to America's ability successfully to weather the readjustment period following the war, the country is steadily solving one problem after another. In a recent speech, Mr. Samuel M. Vauclain scored those who are fearful of the outcome of these trying months. "I have no fear for the industrial or commercial prospects of this country," said Mr. Vauclain. "Any alarm over the period of readjustment which must follow the war is, I think, without foundation.

"Any business can readjust itself within at least three months. Successful business must always be prepared to meet new conditions and the great businesses of this country are ready for the period of transition which will take place within the near future.

"There is no need to worry about the labor problem, if that problem is properly handled through the earnest co-operation of employer and employe. The employe must understand you; he must understand your business; he must be in sympathy with your purposes and there must be a mutual understanding if the interests of both are to be best served."

The National Association of Builders' Exchanges has already met this issue in a very definite way. The plan, based largely on suggestions by John D. Rockefeller, Jr., will comprise a central body to deal with labor questions and to be known as the Employers' Association. This body will, in turn, organize local boards, upon

whom the settlement of controversies will chiefly devolve.

"A spirit of co-operation," said John R. Wiggins, in discussing the plan, "is the purpose of the new scheme. We want to be able to meet the workers in a friendly, intelligent way, so that we can talk over our troubles and understand the viewpoint of each other. Wage scales will, if possible, be determined by contracts. Under the agreement of both parties, these contracts will be regarded as sacred under all conditions. This way of dealing with labor questions will, I think, avoid many costly strikes."

**A** PLAN has been inaugurated by the Department of Commerce by which it hopes to bring together the producer, the consumer and the laborer for the resumption of American trade on a wholly normal basis. It is the desire of the Secretary of Commerce to have the people of the United States thoroughly understand both the problem which faces the country, and the steps being taken for its solution.

The Council of National Defense is authorized to announce the creation, by William C. Redfield, of "The Industrial Board of the Department of Commerce." This Board will be charged, under the approval already given by the President to the Secretary of Commerce, with the stabilization of prices for basic materials in such a fashion as to create a firm foundation on which the consumer can base his future purchases and the producer

can form necessary production cost estimates. Its program will be supported by the Council of National Defense.

The full personnel of this Board, to consist of six carefully chosen men, will be announced as soon as acceptances have been obtained. Already it is assured that the Chairman will be George N. Peek, of Moline, Illinois, formerly Vice-Chairman of the War Industries Board. Hugh Frayne, the labor representative on the Board, was also on the War Industries Board as the representative of labor, while the official representative of the Government in the new organization will be Thomas C. Powell, Director of Capital Expenditures of the Railroad Administration.

Through proper investigation and stabilization it is expected that the foundation can be laid for the resumption of American business and for the furnishing of employment to returning soldiers and sailors—this through Government purchases, the publication of fair price lists, and co-operation of the producer.

To obtain this co-operation of the producer, it is planned that the Board shall call the various leaders of industry into consultation. The first of these conferences will be with representatives of industries producing basic materials, such as iron, steel, lumber, textiles, cement, copper, brick, and other construction materials.

It will be the endeavor of the Board to interchange views with these representatives of industry in the fullest and

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freest manner possible. If these conferences result in a general agreement among the important basic industries upon proper prices and bases for prices at which sales will be made, and this agreement is approved by the Board, it is believed that the announcement of this fact will induce the nation to feel justified in properly beginning a buying program.

Such a procedure should, in substance, establish immediately a normal basis upon which to resume activities, and in this way the law of supply and demand be enabled to come into play, for, to quote Secretary Redfield, "It cannot be too strongly emphasized that the proposal that the Government shall co-operate in the determining of fair prices on basic commodities and in stabilizing these prices through Government purchases is in no sense a price-fixing program. No one will be under any sort of compulsion to adhere to the price schedules arrived at. If a producer can find a market for his wares at a higher price no one can prevent his being free to avail himself of it. If a consumer is able to buy below these prices, it will be his privilege to do it."

"In substance, we propose to bring capital, labor and the Government into common counsel together around one table and with one purpose—to do the best possible for the country."

The immediate need for carrying out Secretary Redfield's program is evident, for there exists at the present time an abnormal situation in the industrial world—a stagnation of business and industrial activity. Mills and factories are idle, or are producing but a small part of what they are capable of doing, and building operations are at a standstill. A large amount of unemployment exists, and this unemployment is increasing at such a rate as to challenge the best thought that can be given to the situation.

One of the striking features of the present situation is the high price demanded for practically all articles and commodities of trade and commerce. This high price condition is undoubtedly the cause of most of the business inactivity, and, therefore, also is the cause of the widespread unemployment of labor.

While living costs of the present are unusually high and will continue high until there are substantial reductions in the cost of the necessary staple foodstuffs, it is believed that there is satisfactory latent buying power in this country,—an abundance of money—but money that is not being used to employ or to purchase goods and materials.

This present condition has come about through a series of unusual happenings, due to the war. The industries and labor

of the country were diverted into new and unnatural channels, in order to mobilize all efforts possible. The capacities of many factories were expanded, new ones built, abandoned plants remodeled and put into production, and industry was managed and operated in accordance with war necessities—all largely under Government control.

This control and direction of effort and change of policies resulted in the complete suspension of the ordinary operation of the law of supply and demand. The demand for commodities and the necessary agreements with industries as to prices and terms of conversion of industry to war work had the effect of inflating prices to an abnormal extent, so as to encourage maximum production, even by producers operating under the greatest handicaps and at the highest costs.

Prices were advanced disproportionately, some articles showing increased selling prices over pre-war prices of 250%, while others showed but approximately 50%.

The law of supply and demand is really inoperative at the present time, for the reason that it is found difficult, if not impossible, for this law to resume normal functioning, on account of the fact that at the present time the price relations between the industries producing basic essentials are not properly adjusted to efficiently meet peace-time conditions.

It is, therefore, apparent that the trouble resulting in the present stagnant, unsatisfactory condition of industry is due to the continuance of the high, uneven, unstable prices of war times, which were, in many instances, agreed to by agencies of Government functioning for war purposes, and not to any unhealthy general condition. These abnormal prices still remain because there has been provided, up to this time, no agency to bring about the necessary reductions.

Under the conditions outlined a wise solution is equally important to the Government, to industry, and to labor, for their true interests are indissolubly connected and united that no detriment can be suffered by one without a harmful effect and reaction upon the others.

The vital need of the situation is resumption of industrial activity to the fullest extent possible, and it should be the aim to find the wisest and most effective way to accomplish this.

It is felt that the proper basis of selling prices for the present will be found to be upon a scale considerably higher than those of the pre-war days. However, the level should be established on the lowest plane possible, having due regard to industry, labor, and Government. The announcement of such a plane of

prices will immediately create confidence in the buying public.

It is believed that the reductions from the high prices to the proper level, so that consumers may be justified in buying, should be made at once by one reduction.

The effort should be to wholly eliminate the abnormal, unbalanced stimulation that business has had and the inflated prices that have resulted, and to start anew upon a normal level, and safely rely upon the law of supply and demand to govern future values. Such a policy adopted, and announced will, it is believed, when understood by the consumer, induce at once sufficient buying to start factories, fill empty yards and warehouses, and to inaugurate the interrupted building and other programs.

Industry and labor have a mutual interest in remedying present conditions, but industry should take the first step by the reduction of prices and commodities and should require of labor as little aid as possible.

#### SMALL INVESTORS IMPORTANT FACTORS IN BUILDING

Economists investigating present financial conditions for the Department of Labor agree with Mr. Walter Stabler, Comptroller of the Metropolitan Life, in the conclusion that more than ever before in financial history the small investor in the United States is to be an important factor in financing business and building. Mr. Stabler is quoted to the effect that large mortgage lenders are not plentiful in the market and borrowers must look to small investors, whose participations may be pooled under the trusteeship plan.

Mr. Stabler's statement, advertised by the Title and Guaranty Trust Company of New York City, was limited to the New York district, but investigations made by the Department of Labor through its Division of Public Works and Construction Development, suggest the conditions to which Mr. Stabler directed attention, is pretty general the country over.

Replies to a comprehensive questionnaire, recently distributed to a selected list of representative institutions throughout the country, indicate an absolute decrease during 1918 of funds available for investment in real estate mortgages, and indicate, also, a relative decrease since 1914 of funds so invested compared with the total resources of the institutions considered.

It is essential, in the opinion of the Department of Labor, to devise ways and means of availing of the small investors' capital, and for that reason the American Bankers' Association's plan, advocating



the adoption of amortization schedules for real estate loans, together with the Building and Loan Associations' agitation for a Federal system of "Home Loan Banks," have challenged the sympathetic interest of the Labor Department.

Just how to gather the comparatively small amounts of capital held by the small investors, and marshal them in amounts necessary to financing extensive building projects, is a problem which must be met by local initiative where the problem arises. The Division of Public Works and Construction Development points out that the small investors were the balance of power necessary to the success of the Government's war finance program, and they may now be made the balance of power in the reconstruction work of the nation.

The home builder—he who builds for his immediate use rather than for rental purposes—appears to be getting under way with his building plans. This especially is noted in the Central West. The home-building program will be facilitated and augmented if small investment money is made available for building loans. In one or two communities this is being attempted by private organizations, brought together for this sole purpose. In other and more numerous cases the regular banks are giving thought to the problem. The building and loan interests already have formulated a plan under which a system of Federal Home Loan Banks would enable them to rediscount their first real estate mortgages, and make available for further loans more than a billion dollars of their assets.

While the Department of Labor is endeavoring to co-operate with State and municipal authorities in getting under way road building and public improvements, and with private interests in their more extensive building operations, it is convinced that home building, for the use of the builder rather than for rental, must be looked to as an important factor in providing better employment for labor during the transition from war to peace production, and for the stimulation of business. For this reason the Department of Labor is making a determined drive for a nation-wide "Own Your Home" campaign.

#### NOT EVERYONE CAN REMODEL

It is almost an axiom that any architect can build a house, but not everyone can remodel and restore, says *House and Garden*, because restoration places upon both the architect and the owner the singular heritage of the past. That is why remodeling and restoration are a pleasant byway of architecture—a path off the beaten track that can be taken leisurely and is abundant with possibilities,

## IS THE COST OF CONSTRUCTION HIGH?

During the war about one-third of the country's industrial capacity, including man-power, was diverted to war production. To bring about this great diversion of industry two means were employed: stimulation and curtailment. Stimulation was practiced throughout the war and affected the prices of materials and the wages of labor, because Government contracts were awarded on a basis which permitted contractors to compete successfully with non-war manufacturers for materials and labor.

Curtailment was not important until early in 1918 except for the orders of the Fuel Administration and the Railroad Administration for the purpose of conserving fuel and transportation, and certain priority orders.

But in a statement of February 5, 1918, Secretary McAdoo requested that homes should not be built except in case of urgent necessity. The statement contained by implication the premises on which the radical curtailment of the building industry was later carried out, *i. e.*, (1) that conservation of materials, labor and credit was necessary in order to win the war, and (2) that the conservation must take place in those industries that were not essential, or only in part essential, to the winning of the war. Some time after the publication of Secretary McAdoo's statement, the policy of seriously curtailing non-war production was put into effect. Eventually the production of sixteen building materials was cut down 25% to 60%. Non-war construction was greatly restricted until it was almost completely stopped from September 3, 1918, until the armistice was signed. It was estimated by the Chief of the Building Materials Section of the War Industries Board that the non-war construction in 1919 would be not more than 10% of normal. This estimate indicates how great the diversion of labor and capital from the construction industry had been.

The stimulation of war industry and the curtailment of non-war industry was mainly carried out directly or indirectly by the Capital Issues Committee, the War Industries Board, and the War Labor Administration. Not only were prices of building materials affected by the stimulation of war industries, but in many cases also by direct price fixing. The same was true of the wages of labor. The power of the Government was exercised toward the lowering of prices of materials and the wages of labor in non-war industries in order to prevent labor and material from being drawn away from the war industries.

This brief sketch of the Government's

policy in stimulating war production and curtailing non-war production explains the difference between the cost of labor and of materials in the building industry and the cost of labor and of materials in general which was found to exist at the close of the war.

At the close of the war the index number of building materials, not including steel, had risen only 61% over the pre-war prices of 1913, while the index number for commodities, exclusive of building materials, had risen 113%. The average increase of wages in the construction industry in forty-one leading cities from 1914-1918 was only 28.5%, as against a rise of 94% in commodities. When the armistice came, there was, of course, a great volume of deferred construction projects, partly in the form of public works, partly in the form of semi-public utilities, partly in the form of housing and of commercial and industrial buildings. This volume of deferred construction represented in large part the curtailment of non-war production which had resulted from the diversion of one-third of the nation's industrial capacity to war production.

Fortunately, the return of peace did not mean the complete abrupt end of war production, yet it threatened serious unemployment. In order to minimize unemployment during the period of economic readjustment, the Government promptly removed the restrictions which it had imposed upon the construction industry. There is one indirect restriction, however, which it has not removed and could not remove, that is the moral obligation of the financial community to conserve credit until the Victory Loan is floated. Each bank, trust company, insurance company, etc., must estimate how large a part of its prospective allotment of the Victory Bonds it can sell promptly, and, consequently, how much of its funds it can afford to set aside for real estate loans or other purposes. The proportion so set aside for real estate loans will depend largely on the element of optimism which enters into every judgment concerning the future. There probably never was a time when, broadly speaking, optimism as regards industry was better justified or meant more to the country than at present. It is distinctly encouraging to the construction industry to note that optimism—reasoned optimism—is most emphatic in the literature published by the leading banks of national reputation, compiled for them by trained investigators.

Evidence of a helpful attitude on the part of banks towards real estate is not



wanting. In the great borough of Manhattan, in New York City, mortgages aggregating \$8,500,000 in value were extended (renewed) in January of this year, as against \$2,800,000 in January of last year. That is to say, the banks and insurance companies are not now, as they were a year ago, calling upon real estate borrowers to pay off loans in whole or in part.

Furthermore, 13,500 building permits were issued in 152 cities this January, as against 9,600 permits a year ago. The average value of the January permits this year was \$1,700, compared with \$2,800 in January, 1918. A year ago, it will be remembered, the Government was building extensively, and, besides, many factories were being erected for war production. Fifty-four per cent. of the cities showed gains in building this January over the preceding January. It is to be noted also that January, 1919, gained over December, 1918, although building permits are normally fewer in January than in December. The significance of these building figures is that there is a tendency to build extensions, to make structural repairs, and to erect inexpensive buildings, including particularly housing. The figures bear the characteristics one looks for at the beginning of a revival of the building industry.

It takes time for private building to get under way, and still longer for public works to get started in volume. However, the reports received from State, county and municipal officials justify the belief that an exceptional amount of public construction will be undertaken this year.

The turning of the tide in the construction industry that we have all been looking for since the armistice has unquestionably come. However, there are still obstacles in the way of its rise to normal. The most important of these is the high cost of construction as compared with the pre-war period. Not a few bankers and investors decline to consider a building project today merely because of the high cost of construction. Those who take this attitude do not generally stop to analyze the high cost of construction which alarms them so.

Although construction costs are higher now than in 1913, the union wage scales in the building industry have not advanced as rapidly as have the cost of living, while building material prices are not as high as are commodity prices. Wage increases in the construction industry, speaking generally, lagged behind because that industry was utilized to only a small degree in war production. The level at which the cost of construction stands today has been pushed up only slightly by temporary war conditions. It has been fixed mainly by conditions that

can not be materially changed for years to come—by the tremendous expansion of money and credit.

During the war the volume of money and credit increased far more rapidly than the volume of industry and commerce; hence prices rose. But expansion of credit through Government loans is a world-wide condition which must hold up prices everywhere until the Government debts are largely discharged.

The fact is that the cost of construction is not high today. It is low compared with food, clothing and commodities in general. It is high only in comparison with its own pre-war level. Commodity prices will undoubtedly recede because food and clothing and many other things were affected by special war conditions; for example, scarcity of transportation, which prevented shipments from distant countries to the Allies. But they can not fall to the pre-war level.

But, although some readjustments in the wages of individual trades and in the prices of individual classes of building materials may take place, the cost of construction will not come down to such an extent as to endanger a judicious investment made today in the erection of a new building. Where the rents offered will show a fair net return on the cost today of a new building after deducting a reasonable sinking fund allowance, no one should hesitate to build or to lend money for building.

Rents are determined by supply and demand. In the case of housing, during the early part of the war, the demand was curtailed by the rapid advance in commodity prices, which impelled many tenants to crowd into or get along with less space and their normal standard of living required, and by the drafting of the young men of military age. With a year, however, these influences had spent their force. By the end of 1919, according to the replies obtained from a questionnaire sent to real estate boards in 91 cities, only four of these cities had a housing demand that was below normal, while in 52 cities rents had advanced 10% or more, in some instances 40% to 50%. This rise in rents took place at a time when the population at home was as economical of house room as possible and while several millions of soldiers were absent in the service.

Another important fact was disclosed by the replies to the questionnaire, namely, that despite rising rents for housing in the majority of the 91 cities, the market values of house sites had declined in six cities, and had remained practically stationary in 72. The market value of land is, like rents, determined by the interplay of supply and demand. During the war the demand for city land was relatively small, because dealing in real estate was

discouraged by the banks as a non-war activity requiring the use of credit. With a restoration of easier mortgage loan conditions, the demand for real estate will inevitably increase; nothing can seem more certain than that in our growing American cities the market value of land must advance briskly.

A judicious investment in the erection of a new building does not depend solely on the cost of construction. It may well happen that the man who buys a lot today and builds on it a house the cost of which is not greatly out of proportion to the cost of the land, will be better off a year from now than he would be if he had left his money in the savings banks in the meantime. City land at present is least inflated of all material wealth.

#### ADVERTISE TO STIMULATE BUSINESS

THE Department of Labor urges upon American business men the starting of a national advertising campaign to restore manufacturing plants and retail trades to a high tide of prosperity. Roger W. Babson, Director General of the Information and Education Service of the Department, has directed the following letter, which explains itself, to William H. Rankin, of Chicago, Chairman of the Newspaper Division of the American Association of Advertising Agencies:

"It is the desire of the Department of Labor to stimulate business by suggesting to present advertisers that they increase their space and to prospective advertisers that they bring their plans to a head and start advertising immediately.

"The surest and quickest way to bring business to its pre-war basis is to overcome the general apathy to buying which exists in the minds of many people at present. Advertising will do this.

"We would like to see more retail advertising and more national advertising, and we believe that the press of the country and yourselves will appreciate the fostering of such a movement by the Department of Labor.

"May we ask you to prepare one or more advertisements for the Department of Labor carrying the message outlined. Your co-operation in this matter is earnestly desired.

"Publishers of newspapers and magazines of general circulation will be asked to run this copy over the signature of the United States Department of Labor, its Secretary, W. B. Wilson, and the Director General of Information and Education.

"Regarding the size and appeal to be used, this we believe is a matter which your own judgment will easily determine."



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Apartment House**, City Line and Lancaster avenue, Philadelphia. Architect not yet selected. Owner, Morris Estate, care of Girard Trust Co., Broad and Chestnut streets. Brick, stone, steel and concrete, will contain 100 apartments. Competitive plans will be submitted.

**Warehouse**, Second and Poplar streets, Philadelphia. Architect, Reuben Beard, 1311 Commonwealth Building, Philadelphia. Owners, Loose Wiles Biscuit Co., Twenty-third and Arch streets, Philadelphia. Brick, 2 stories, 80x191 feet, slag roof, stone foundations, steam or hot water heating, electric lighting, concrete and maple floors, electric freight elevator, kalamein sash, kinnear doors, structural steel. Plans in progress.

**Residence (alts. and add.)**, Mermaid Lane and Navahoe streets, Philadelphia. Architects, Duhring & Ziegler, Bailey Building, Philadelphia. Owner, A. G. Allison, on premises. Stone, general alterations and additions. Architects taking bids, due March 22nd. Wolverton & Co., 28 East Willow Grove avenue; Fesmire Bros., Glenside, Pa.; Samuel Harting, 20 East Johnson street; F. B. Davis, 240 North Sixteenth street; W. John Stevens, Inc., Wyncote, Pa.; I. A. Dunkelberger, 71 East Herman street, are figuring.

**Residences (44)**, Fernhill street, Berkley to Apsley streets, \$149,600. Architect, private plans. Owner, Robert Killough, Wayne and Duval streets, Germantown. Brick, 2 stories, 15 feet 10 inchesx32 feet, slag, tin and slate roof, hot water heating, electric lighting, tile work. Owner will build.

**Garage**, Frankford avenue, north of Columbia avenue, \$25,000. Architect, private plans. Owner, John M. Kennedy, Jr., 1001 Chestnut street, Philadelphia. Brick, 1 story, 97x160 feet, slag roof, cement floors, electric lighting. Owner will build.

**Convent and School (alts. and add.)**, 334 Haines street, Germantown. Architect, H. G. Hammer, 808 North Seventh street, Philadelphia. Owners, Our Lady of the Rosary Italian R. C. Church, care of Rev. Peter Montiani, on premises. Brick. School, three-story addition, 26x28 feet, slag roof, yellow pine floors, stone foundations, electric lighting, plumbing, plastering, galvanized iron work. Convent, raising roof, changing partitions, plastering, painting. Architect is taking sub-bids. Owner is taking bids. Fred Elvidge & Son, 5522 Germantown avenue, are figuring.

**Stores (2) and Garage**, Fifty-fifth and Woodland avenue, Philadelphia. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner's name withheld. Brick, 1 story, 86x120 feet, mill construction, composition roof, electric lighting, cement work. Architect will sub-let.

**Store and Dwelling**, 3130 North Twenty-second street, Philadelphia, \$5,000. Architect, private plans. Owner, D. Espisito, 3023 North Twenty-first street, Philadelphia. Brick, 3

stories, 17x48 feet, slag roof, hot air or steam heating, electric lighting. Owner will build.

**Residence (alts. and add.)**, Old York Road and Boulevard, Philadelphia. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owner, Edwin Stott, 429 North Sixth street, Philadelphia. Stone and brick, slate and tile roof, stone foundations, hot water heating, electric lighting, tile and marble work, rolled steel sash, cement, tile and composition floors, ornamental iron work. Architects have received bids.

**Garage**, 521-531 North Orianna street, Philadelphia. Architect, Carl P. Berger, 1416 South Penn Square, Philadelphia. Owners, North Liberties Co., care of architect. Brick, mill construction, 1 story, 78x106 feet, slag roof, yellow pine floors, steam heating, electric lighting metal lath, electric elevators, fire doors. Architect will take bids in a few days.

**Store Building (alts. and add.)**, 1013 Market street, Philadelphia. Architects, Hoffman & Co., Finance Building, Philadelphia. Owners, International Millinery Co., 366 Fifth avenue, New York City. General interior and exterior alterations and addition. Plans in progress. Too early for details.

**Column Foundations (68)**, Front street, between Arch and Callowhill streets. Architect, private plans. Owners, City of Philadelphia, Department of City Transit, 1211 Chestnut street, Philadelphia. Concrete. Owners taking bids, due March 25th at noon. Edw. Fay & Son, 2 South Mole street; Standard Const. Co., 1713 Sansom street; Fred T. Buckius, 4050 Kensington avenue; American Paving and Const. Co., 207 South Ninth street; J. S. Rogers Co., Drexel Building; Snyder Phillips Co., 273 West Mt. Pleasant avenue, Mt. Airy, Pa.; Geo. F. Pawling Co., 1432 South Penn Square; Edw. H. Vare Co., 1120 Race street; O'Rourke Eng. Co., 17 Battery Place, New York City; E. Pascuzzi, 601 Lincoln Building; Joseph Lombardi, 601 Lincoln Building; Wm. Mundy, 228 South Alder st.; Edw. Atkins, 249 South Twenty-fourth street; Robbins Cont. Co., Lafayette Building; M. H. & J. McHugh, 892 North Markoe street; Jos. Perna, 334 North Sixty-fifth street; M. H. McCloskey, Jr., 1620 Thompson street; C. A. Conan, 1402 North American Building; Wm. Steele & Sons Co., Sixteenth and Parkway; Keystone State Const. Co., Franklin Bank Building; Hugh Nawn Const. Co., Camden, N. J.; Connors Bros. Co., 15 West Ninety-first street, New York City; Brown-King Const. Co., Commercial Trust Building; Robt. Lombardi, Lincoln Building; Michael McCullough, 2409 Sharswood street; Donato De Lisc, 4842 North Leithgow street; Monaghan & Losse, Inc., 3016 Chestnut street, are figuring.

**Caretaker's Lodge House**, Bartram Gardens, Fifty-second and Botanic avenue. Architect, Jos. A. Roletter, City Hall, Philadelphia. Owners, Bureau of City Property, Room 216 City

Hall, Philadelphia. Brick and stone, 2 stories, 28x26½ feet, slate roof, hot air heating, hollow tile. Owners taking bids, due March 20th at noon. Deposit of \$5.00 required. Hogg Const. Co., 1634 Sansom street; Bowden Const. Co., 1713 Sansom street; E. C. Durell, 1713 North Twenty-fourth street; Mitchell Bros., 2125 Race street; Albert Zellfelder, 151 South Broad street; W. O. Springer, 1624 Latimer street; Monaghan & Losse, Inc., 3016 Chestnut street, are figuring.

**Cementing Cellar Floor**, Independence Hall, Philadelphia. Owners, City of Philadelphia, care of Geo. E. Datesman, Director, 216 City Hall, Philadelphia. Owners taking bids, due March 20th at noon. Deposit of \$5.00 required. Hogg Const. Co., 1634 Sansom street; Bowden Const. Co., 1713 Sansom street; E. C. Durell, 1713 North Twenty-fourth street; Mitchell Bros., 2125 Race street; Albert Zellfelder, 151 South Broad street; W. O. Springer, 1624 Latimer street; Monaghan & Losse, Inc., 3016 Chestnut street, are figuring.

**Roof and Skylight Repairs**, City Hall, Philadelphia. Architect, Jos. A. Roletter, City Hall, Philadelphia. Owners, City of Philadelphia, Bureau of City Property, Room 216 City Hall, Philadelphia. Consists of general repairs to roof and skylights, copper work. Owners taking bids, due March 20th at noon. Deposit of \$5.00 required. Hogg Const. Co., 1634 Sansom street; Bowden Const. Co., 1713 Sansom street; Mitchell Bros., 2125 Race st.; Albert Zellfelder, 151 South Broad street; W. O. Springer, 1624 Latimer street; Monaghan & Losse, Inc., 3016 Chestnut street, are figuring.

**Residence and Bakery (add. and alts.)**, Thirty-first and Page streets, \$8,000. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner, J. Smuekler, Sixth and Poplar streets, Philadelphia. Brick, 1 story addition, 28x24 feet, slag roof, composition floor, tile work, fire brick ovens, metal ceiling, electric lighting. Plans completed. Owner will build.

**Stores and Apartments (15)**, Frankford, Philadelphia. Architects, Lachman & Murphy, Drexel Building, Philadelphia. Owner's name withheld. Brick, 3 stories, 20x70 feet, slag roof, stone foundations, steam heating, electric lighting, tile work, yellow pine floors, ornamental terra cotta, metal bulks. Architects taking bids. Ketcham & McQuade, 1029 Brown street; Hogg Const. Co., 1634 Sansom street; John M. Yardley, 1716 Sansom street; Wills-Ludwick Co., 1708 Sansom street; Nardi Co., Bulletin Building, are figuring.

**Residences (31)**, Twelfth and Loudon sts., Philadelphia. Architect, private plans. Owner, Wm. B. Erb, care of H. H. Wehmeyer, 509 West Cumberland street, Philadelphia. Brick, 2 stories, 45x14 feet, steam heating, electric lighting, hardwood floors, slag roof. H. H. Wehmeyer, 509 West Cumberland street, is taking sub-bids.



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Guards—Wire Partitions and Stock Room Enclosures—Coal  
and Sand Screens—Sieves and Riddles—Elevator Enclosures  
Free Auto Truck Delivery to Philadelphia

**Factory (rebuilding),** Tenth and Nevada streets, Philadelphia. Architect, private plans. Owners, A. Colburn & Co., 2228 North Tenth street, Philadelphia. Brick, 4 stories and basement, 60x220 feet. concrete footing, slag roof, rolled steel sash, fire and kalamein doors. ornamental iron work. Owners taking bids, due March 20th. Turner Concrete Steel Co., 1713 Sansom street; A. R. Raff Cont. Co., 1635 Thompson street; Cramp & Co., Denekla Building; F. L. Hoover & Sons, 1023 Cherry street; Irwin & Leighton, 126 North Twelfth street; Wark & Co., 1737 Filbert street; H. E. Baton, 1713 Sansom street; Robert E. Lamb Co., 843 North Nineteenth street. are figuring.

**Sewer,** Baker street, Frankford Arsenal, Philadelphia. Owners. Frankford Arsenal, Frankford, Philadelphia. Reinforced concrete manholes, sewer pipe. Owners taking bids. due March 20th. Wills-Ludwick Co., 1708 Sansom street; F. W. Mark, Cont. Co., Finance Building; W. W. Anstine Co., 1218 Filbert street, are figuring.

**Ice Cream Factory (alts.),** 2909-15 North street, \$9,000. Architect, private plans. Owners, Shanahan & Elliott Co., on premises. Interior alterations, tank support and tank, concrete floors. Owners will build.

**Residence and Garage,** Westview and Wisahickon avenue, Germantown. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building. Owner, Henry P. Erdman, Land Title Building, Philadelphia. Hollow tile and plaster, 2½ stories, 39x29 feet, shingle roof, oak floors, stone foundations, hot air heating, electric lighting, tile work. Plans completed. Architects ready for bids.

**Office Building and Stores,** Sixteenth and Market streets, Philadelphia. Architects, Hoffman Co., Finance Building, Philadelphia. Owner, Edwin Wolf, care of Mastbaum Bros. & Fleisher Co., 1424 South Penn Square. Brick and reinforced concrete, 156x76 feet, slag roof, cement floors, steam heating, electric lighting, tile work. Plans in progress. Too early for details.

**Residence,** School Lane, Germantown, Philadelphia, \$50,000. Architect, Arthur H. Brockie, Presser Building, Philadelphia. Owner, Sydney E. Hutchinson, 1718 Walnut street, Philadelphia. Stone, 2½ stories, stone foundations, tile and marble work. Plans in progress.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Dairy Building,** Forty-eighth and Lancaster avenue, Philadelphia, \$50,000. Architect, private plans. Owners, Supplee-Wills. Jones Co. (Woolman Branch). on premises. Reinforced concrete and steel, fireproof, 4 stories, 110x40 feet, 30x60 feet, slag roof, reinforced concrete floors, elevators kinnear doors, waterproofing. Contract awarded to Geo. Kessler Cont. Co., Drexel Building, Philadelphia.

**Garage and Shop,** Sixty-second and Locust streets, \$10,000. Architect, private plans. Owner, S. Calpacian, 5926 Walnut street, Philadelphia. Brick, 2 stories, 20x95 feet, slag roof, cement floors, electric lighting. Contract awarded to A. M. Mabajoubian, 5926 Walnut street.

**Store,** 3074 Kensington avenue, \$4,000. Architect, private plans. Owners, F. K. Pierson & Son, 3076 Kensington avenue. Brick, 2 stories, 16x16 feet, slag roof, electric lighting. Contract awarded to J. F. Carberry, 1974 Medary avenue, Philadelphia.

**Flower Shop and Apartment,** 136-138 South Fifty-seventh street, Philadelphia, \$14,000. Architect, private plans. Owner, Frank M. Ross, 212 East Girard avenue, Philadelphia. Brick, 3 stories, 30x40 feet, slag roof, hot water heating, electric lighting tile and marble work, flush bulks. Contract awarded to A. R. Raff Cont. Co., 2635 Thompson street, Philadelphia.

**Building,** 506-10 Ludlow street, Philadelphia, \$4,000. Architect, private plans. Owners, Pennsylvania Co., 517 Chestnut street, Philadelphia. General fire repairs. Contract awarded to John Duncan, 920 Walnut street, Philadelphia.

**Apartments (alts.),** 1824 Chestnut street, Philadelphia. Architect, W. W. Sharpley, 1713 Sansom street, Philadelphia. Owner, Oliver H. Bair, 1820 Chestnut street, Philadelphia. Brick, 4 stories, changing partitions, parquetry flooring, steam heating extension, electric wiring and fixtures, plastering, millwork, plumbing, papering and painting. Contract awarded to

Thos. C. Trafford, 1613 Sansom street, Philadelphia.

**Garage,** 6608 North Eleventh street, Oak Lane, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, Louis Buehn, on premises. Stone and brick, 1 story, 23x23 feet, slate roof, concrete floors, Wasco heating, electric lighting, hollow tile, concrete foundations (gasoline storage system reserved). Contract awarded to Wm. J. Gruhler Co., 219 East High street, Germantown.

**Towers and Elevators (2),** Thirty-fourth and Pine streets, Philadelphia, \$10,494. Architect, Philip H. Johnson, 1713 Sansom street, Philadelphia. Owners, Philadelphia General Hospital, care of Department of Health and Charities, 584 City Hall, Philadelphia. Brick, 3 stories, 8x9 feet, 2 elevators, hollow metal and skylights. Contract awarded to M. H. McCloskey, Jr., 1620 Thompson street.

**Club House (alts.),** Chestnut Hill, Philadelphia. Architects, R. W. Pollock & E. R. Rust, 1802 Chestnut street, Philadelphia. Owners, Whitmarsh Country Club, Chestnut Hill. Mill work, plumbing, plastering, painting, interior decorating. Contract awarded to Wolverton & Co., 28 East Willow Grove avenue.

**Store and Dwelling,** 742 South Fourth st., \$8,000. Architect, private plans. Owner, M. Rubeck, on premises. Brick, 3 stories, 19½x50 feet, 16x39 feet, slag roof, hot air heating. Contract awarded to Schechtman Bros., 1734 North Seventh street.

**Office Building (alts.),** Broad and Chestnut streets. Architects, Hoffman & Co., Finance Building, Philadelphia. Owner, Real Estate Building, on premises. General interior alterations. Contract awarded to Ketcham & McQuade, 1029 Brown street, Philadelphia.

**Store Building,** Broad and Melon streets, Philadelphia, \$16,000. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Samuel Gorson, 248 North Broad street, Philadelphia. Brick and reinforced concrete,

**SCALES  
AND  
VALVES**

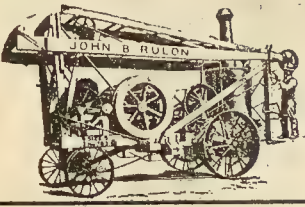
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**Bell, Locust 812 Keystone, Race 29-84**

2 stories and basement, 20x87 feet, stone foundations, slag roof, steam heating, electric lighting, tile work, slate work, cement and North Carolina pine floors, hollow tile, metal lath, waterproofing, dampproofing, wire work, ornamental iron work. Contract awarded to Smith-Hardican Co. 1606 Cherry street, Philadelphia.

**Residence**, Crefeld street, Chestnut Hill, Philadelphia. Architect, Frank A. Rommell, 1524 Chestnut street, Philadelphia. Owner, C. C. Tutwiler, Real Estate Trust Building, Philadelphia. Stone and brick, 3 stories, 63x47½ feet, wing 28x15 feet, slate roof, brick, cement, canvas and oak floors, stone foundations, warm air heating, electric lighting, tile and marble work, waterproofing (lighting fixtures reserved). Contract awarded to Wolverton & Co., 28 East Willow Grove avenue.

**Bulkhead Shed (alts.)**, between Piers 38 and 40, South Wharves, Delaware River. Architect, private plans. Owners, City of Philadelphia, Department of Wharves, Docks and Ferries, care of George S. Webster, Director, Bourse Building, Philadelphia. General repairs, steel and concrete, slag roof, metal lath, waterproofing, kinneer rolling steel doors. Contract awarded to F. A. Havens & Co., 845 N. Nineteenth street.

**Moving Picture Theatre (alts.)**, 2512-16 E. Clearfield street, \$1,500. Architect, Wm. A. Hall, care of owner. Owner, Wm. E. Butler, 2353 East Clearfield street, Philadelphia. General alterations and repairs. Contract awarded to Campbell Const. Co., southeast corner of Thirteenth and Vine streets.

**Building (alts.)**, 2042 North Tenth street, \$14,000. Architect, private plans. Owner, Robert Fleer, on premises. Excavating, brick work and steel work, new boilers, etc. Contract awarded to Milton W. Young, Overbrook, Pa.

**Shipbuilding Slips**, Nos. 2 and 3, Spec. 3,781, Navy Yard, Philadelphia, \$292,400. Architect, private plans. Owner, United Government, care of C. W. Parks, Chief, Bureau of Yards and Docks, Navy Depart-

ment, Washington, D. C. Reinforced concrete and steel, 148x128 feet and 169x122 feet, extension with lobbies, store room and driveway, trigger pit, foundations for extension in shore of crane runway for slips Nos. 2 and 3, timber and concrete piles, tinclad

doors, plumbing, hollow tile, hot water heating, slag roof, electric lighting, reinforced concrete floors, steel sash, safety treads, roof ventilators, waterproofing. Contract awarded to M. H. McCloskey, Jr., 1620 Thompson street, Philadelphia.

**Residence (alts. and add.)**, Haverford, Pa. Architects, Hoffman & Co., Finance Building, Philadelphia. Owner, George H. Earl, Jr., Haverford, Pa. Stone, 2½ stories, stone foundations, slate roof, cement and oak floors, steam heating, electric lighting, tile work. Architect taking bids from F. B. Davis, 240 North Sixteenth street, due March 19th.

**Garage**, Conshohocken, Pa. Architect, Harry G. McMurtrie, 1012 Walnut street, Philadelphia. Owner's name withheld. Brick, 1½ stories, 23x37 feet, slate roof, cement floors, hot water heating, electric lighting. Plans in progress.

**Hotel**, Allentown, Pa. Architect, Andrew J. Sauer & Co., 908 Chestnut street, Philadelphia. Owner's name withheld. Brick and stone, 4 stories, 80x95 feet. Preliminary sketches drawn. Too early for details.

**Residence**, Paoli, Pa. Architect, R. Brognard Okie, Crozer Building, Philadelphia. Owner, Richard Haughton, 434 Walnut street, Philadelphia. Stone and frame, 2 stories, 20x45 feet, shingle roof, stone foundations, hot air heating, electric lighting, North Carolina pine floors. Architect taking bids, due March 21st. Wm. H. Parlamen, Devon, Pa.; Harry

Schofield, Paoli, Pa.; Gray Bros., Rosemont, Pa.; W. H. Palmer, Frazier, Pa.; Wills-Ludwick Co., 1708 Sansom street, Philadelphia, are figuring.

**Armory (add.)**, Reading, Pa. Architects, Muhlenberg Bros., 511 Penn street, Reading, Pa. Owners Commonwealth of Pennsylvania, State Armory Board, Harrisburg. Brick and stone, 2 stories and basement, 35x66 feet, slag roof, wood floors, steam heating, electric lighting, tile and marble work. Architects taking bids, due March 22nd. H. E. Baton, 1713 Sansom street, Philadelphia, additional bidder.

**Apartment House**, North street, Bethlehem, Pa. Architect, J. R. Wilt, 47 South Fourth avenue, Bethlehem, Pa. Owner, F. J. Mitman, Bethlehem, Pa. Brick, 3 stories, 24x48 feet, slag roof, hot water heating, electric lighting, tile and marble work, hardwood floors. Plans about completed. Owner will be ready for bids in a week.

**Garage**, Delaware avenue and Partridge avenue, Ridley Park, Pa. Architects, Seeberger & Rabenold, Pennsylvania Building, Philadelphia. Owner, T. P. Ward, 226 Henderson avenue, Ridley Park, Pa. Stone, 1 story, 21x26

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feet, slate roof, cement floor, hot water heating, electric lighting. Architect has received bids.

**Residence**, Brookline, Pa. Architect, private plans. Owner, R. S. Reinhardt, 948 North Forty-second street, Philadelphia. Frame, 2½ stories, 28x30 feet, shingle roof. Plans in progress. H. H. Wehmeyer, 509 West Cumberland street, Philadelphia, will take sub-bids.

**Residence and Garage**, Merion, Pa., \$18,000. Architects, De Armond, Ashmead & Bickley, Franklin Bank Building, Philadelphia. Owner, F. O. Bretherton, Widener Building. Hollow tile and plaster, 2½ stories, 56x28 feet, shingle roof, oak floors, hot water heating, electric lighting, tile work. Plans in progress. Bids will be taken in a few days.

**Store and Apartments (7)**, Chester, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, R. H. Scroggins, Chester, Pa. Brick, 2 stories, 16x40 feet, slag roof, stone foundations, hot air heating, elec-

tric lighting, yellow pine floors. Owner will build.

**Church**, New Salem, Pa. Architect, Edw. Leber, Hay Building, York, Pa. Owners, Union Church, New Salem, Pa. Interior and exterior renovation, vestry alterations, new seats, plastering, painting, etc. Plans in progress.

**Garage**, Lincoln Highway, east of York, Pa. Architect, Edw. Leber, Hay Building, York, Pa. Owner, Miss Jennie Bear, St. George street, York, Pa. Stucco, 2 stories, 24x30 feet, slate roof, concrete floors, hollow tile, electric lighting, tile work. Plans in progress.

**Store Front**, East Market street, York, Pa. Architect, J. A. Dempwolf, Cassatt Building, York, Pa. Owners, Walten Bros., East Market street, York, Pa. Granite, metal and steel work. Plans in progress.

**Church (alts. and add.)**, Hanover, Pa. Architect, J. A. Dempwolf, Cassatt Building, York, Pa. Owners, St. Martin's Lutheran Church, of York, Pa. Remodeling Church, Sunday School and parish house, enlarging Church. Plans in progress. Too early for details.

**Dormitory and Swimming Pool**, East Market street, York, Pa. Architect, R. A. Stair, Guardian Trust Building, York, Pa. Owners, Y. M. C. A., East Market street, York, Pa. Brick, 2 stories, 33x60 feet, slag roof, fire-proof, tile work. Plans in progress. Bids will be taken in about two weeks.

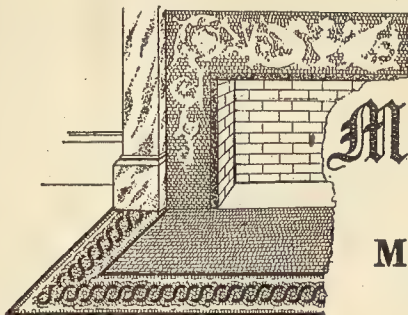
**School**, Arch street, York, Pa. Architect, R. A. Stair, Guardian Trust Building, York, Pa. Owners, School District of York, York, Pa. Brick, 23x55 feet, slag roof, stone or concrete foundations, electric lighting, maple and concrete floors (heating reserved). Owners taking bids, due April 8th.

**School**, York, Pa. Architect, Edw. Leber, Hay Building, York, Pa. Owner, Rev. H. J. Howarth, St. Rose of Lima Church, York, Pa. New toilets and general interior alterations, tile and marble work. Plans about completed.

**Building**, Carlisle street, Gettysburg, Pa. Architect, R. A. Stair, Guardian Trust Building, York, Pa. Owner, W. L. Hafer, Gettysburg, Pa. Brick, 2 stories, 60x125 feet, slag roof, pine floors, hot water heating, electric lighting, tile work. Owner is taking bids.

**Men's Hospital**, Gettysburg, Pa., \$30,000. Architects, Gimmell & Billmeyer, Rossmuller Building, York, Pa. Owner, J. M. Warner, Gettysburg, Pa. Brick, 2 stories, slag roof, stone foundations, steam heating, electric lighting, tile and marble work, elevators, skylights, wore work. Owners will build.

**Incline and alterations to Armory**, State Armory, West Chester, Pa. Architect, Philip H. Johnson, 1713 Sansom street, Philadelphia. Owners, Armory Board of Pennsylvania, Adjutant General's Office, Harrisburg. Grano-



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lithic floor, vitrified block incline, brick work, concrete foundations, steel tube doors. Owners taking bids, due March 21st. F. G. Stewart, 1619 Sansom street; M. H. McCloskey, Jr., 1620 Thompson street, Philadelphia, and Wm. H. Jones, West Chester, Pa., are figuring.

**Residence**, Glenside, Pa. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Joseph Titherington, Godfrey & Lambert streets, Philadelphia. Hollow tile, 2½ stories, 30x24 feet, slate roof, hot water or vacuum heating, electric lighting (tile work reserved). Architect has received bids.

**Residence and Garage**, Merion, Pa. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building. Owner, Barton Lewin, 36 South Delaware avenue, Philadelphia. Hollow tile and plaster, 2½ stories, 72x28 feet. Garage, 18x20 feet, stone foundations, vapor vacuum heating, electric lighting, tile work, oak floors, shingle roof. Plans completed. Ready for bids.

**Residence and Garage**, Merion, Pa. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building. Owner, T. O. Bretherton, Widener Building, Philadelphia. Hollow tile and plaster, 2½ stories, 48x26 feet, wing 18x20 feet. Garage, 18x22 feet, slate or shingle roof, oak floors, stone foundations, vapor vacuum heating, electric lighting, tile work, oak floors. Plans completed. Ready for bids.

**State Highway Work**, various sections of Pennsylvania. Owners, State of Pennsylvania, State Highway Department, Harrisburg, Pa. Reinforced concrete, bituminous surface on concrete foundations, hillside brick, bituminous mixed on stone back, 62¼ miles. Owners taking bids, due April 11th.

**Cottages (2) and School**, Littlestown, Pa., \$27,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Hoffman Orphanage, Littlestown, Pa. Brick, 2½ stories, slate roof, steam heating, electric lighting, wood floors. Plans in progress. Architect will be ready for bids in ten days.

**Residence (add.)**, 2007 North Third street, Harrisburg, Pa., \$7,000. Architect, F. G. Fahnestock, Patriot Building, Harrisburg, Pa. Owner, J. W. Bowman, 2007 North Third st., Harrisburg, Pa. Frame, 2 stories, 22x32 feet, metal roof, hardwood floors, steam heating, electric lighting, tile work. Plans in progress.

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risgurg, Pa., \$20,000. Architect, F. G. Fahnestock, Patriot Building, Harrisburg, Pa. Owner, Ira Romberger, 2223 North Second street, Harrisburg, Pa. Stone, 2 stories, 45x35 feet and wing, slate roof, stone foundations, steam heating, electric lighting, tile and marble work, hardwood floors, metal weatherstrips. Sketches being drawn.

Church, Carlisle, Pa. Architects, Markley & Starr, Spooner Building, Harrisburg, Pa. Owners, United Brethren Church, care of Rev. F. W. Plummer, Carlisle, Pa. Brick and stone, 1 story and basement, 90x120 feet, tin roof, stone foundations, steam heating, electric lighting, skylights, wood floors. Plans in progress.

teets taking bids, due March 20th. F. B. Davis, 240 North Sixteenth street; Robert E. Lamb Co., 845 North Nineteenth street, and Philip Haibach Cont. Co., Twenty-sixth and Thompson streets, Philadelphia, are figuring.

**Factory (alts. and add.),** 308-312 North Front street, Camden, N. J. Architect, Carl P. Berger, 1416 South Penn Square, Philadelphia. Owners, W. H. Dollar Manufacturing Co., 312 N. Front st., Camden, N. J. Brick, steel and concrete, 3 stories, 53x70, slag roof, yellow pine floors, steam heating, electric lighting, metal lath, electric elevators, fire doors. Architect taking bids, due March 24th at 10 A. M. E. F. Bahls Co., 1702 North Thirteenth street; E. J. Kreitzburg, 1345 Arch street; D. A. McClelland, 4011 Baring street, Philadelphia; J. S. Rogers Co., Drexel Building, Philadelphia; George Bachmann Co., Mockett Const. Co., Harry Sharp, and Lewis T. West, all of Camden, N. J.; Wills-Ludwick Co., 1708 Sansom street; A. L. Fretz & Son, Heed Building; Hogg Const. Co., 1634 Sansom street, Philadelphia, are figuring.

**Dairy (add.),** North Broad street, Trenton, N. J. Architect, Wm. Kleman, First National Bank Building, Trenton, N. J. Owners, Castania Dairy Co., North Broad street, Trenton, N. J. Brick, 2 stories, 25x45 feet, slag roof, cement floors, electric lighting, tile work. Plans in progress. Architect will take bids in about one week.

**Factory,** City Line and White Horse Pike, Collingswood, N. J. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owner, Camden Motor Corp., care of D. Merrit Davis, Temple Building, Camden. Brick (slow burning construction), 2 stories and basement, 350x300 feet, stone foundations, slag roof, cement floors, hollow tile, slate work, fire doors. Plans in progress. Architects will be ready for bids in two weeks.

**Residence,** Peidercias avenue, Trenton, N. J. Architect, Wm. Slack, St. Regis Theatre Building, Trenton, N. J. Owner's name withheld. Brick, 30x39 feet, stone foundations, slate roof, pine floors, electric lighting, tile work. Architect ready for bids.

**Court of Honor,** Trenton, N. J. Architects, Wm. Slack & Son, St. Regis Theatre Building, Trenton, N. J. Owners, City of Trenton, City Hall, Trenton, N. J. Frame, 340 feet long, plaster. Owners taking bids, due March 28th.

**Residence,** Barrington Heights, N. J. Architect, Fred T. Uezzell, 717 Walnut street, Philadelphia. Owner, Henry Uezzell, R. F. D. No. 1, Collingswood, N. J. Brick and stucco, 2 stories, 30x32 feet, slate roof, oak floors, cen-

## PENNSYLVANIA

### Contracts Awarded

**Sewage Disposal Plant,** Bristol, Pa., \$42,000. Architect, Wm. H. Boardman, 426 Walnut street, Philadelphia. Owner, Emergency Fleet Corp., Medical Arts Building, Philadelphia. Reinforced concrete, Imhoff tanks and sludge beds. Contract awarded to Wm. Linker Co., 831 Cherry street, Philadelphia.

**Store Room (alts.),** West King street, Lancaster, Pa. Architect, Wm. Shaub, care of Brunswick Hotel, Lancaster, Pa. Owner, O. H. Shenk, 10 West King street, Lancaster, Pa. Exterior alterations, new front. Contract awarded to I. Airstock, Millersburg, Pa.

**Store (alts.),** 415 North Duke street, Lancaster, Pa. Architect, H. Shaub, Lancaster, Pa. Owner, Wm. B. F. Tressler, 415 North Duke street, Lancaster, Pa. Display room,

interior alterations. Contract awarded to Herman Wohlson, Lancaster, Pa.

**School,** Palmerton, Pa. Architect, Charles H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Palmerton School Board, care of W. H. Krewgon, secretary, Palmerton. Brick, 1 story, 150x80 feet, slate roof, steam heating, stone foundations, electric lighting, maple floors. Contract awarded to C. W. Strayer, Lemoyne, Pa.

**Farm House,** Ambler, Pa. Architects, Seeburger & Rabenold, Pennsylvania Building, Philadelphia. Owner, Robert Hamilton, Ambler, Pa. General interior and exterior alterations, new bathrooms, new porch, heating (hot air) extension, electric lighting extension, tile work, painting, etc. Contract awarded to Howard S. Amey, Ambler, Pa.

## NEW JERSEY

### Construction News

**Apartment,** California avenue, Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner's name withheld. Brick, 3 stories, 42x101 feet, slag roof, concrete foundations, hot water heating, electric lighting, tile and marble work, hardwood floors, hollow metal skylights. Architect taking bids, due March 27th.

**Apartment,** Atlantic avenue, Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner's name withheld. Brick, 2 stories, 20x100 feet, slag roof, stone foundations, hot water heating, electric lighting, pine floors. Architect taking bids. P. G. Hannum, 16 North Third

street, Atlantic City, N. J., is figuring.

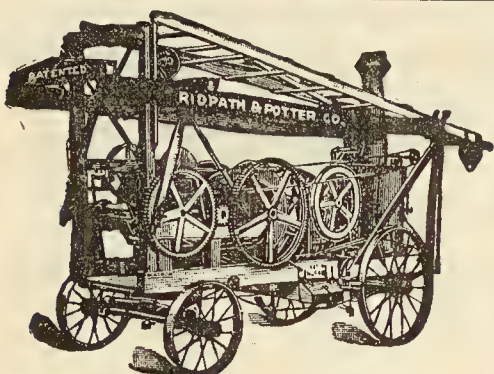
**Cottage,** location withheld. Architect, W. S. Hewitt, Guarantee Trust Building, Atlantic City, N. J. Owner, F. Veritor, 8 North Hillside avenue, Atlantic City, N. J. Frame and stucco, 2 stories and basement, 26x31 feet, slate roof, hot air heating, electric lighting, wood floors. Plans in progress. Architect will take bids in ten days.

**Factory (add.),** Camden, N. J. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Esterbrook Pen Co., Delaware avenue and Cooper street, Camden, N. J. Concrete, third story addition, 16x17 feet, slag roof, rolled steel sash. Archi-

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crete foundations (hot water heating reserved), combination lighting, tile work. Architect taking bids, due March 22nd. Wm. Conger, Haddon Heights, N. J.; Walter Miller,

Haddon Heights; Fred Lange, Audubon, N. J., and Mr. Hoorey, Magnolia, N. J., are figuring.

## NEW JERSEY

### Contracts Awarded

**Residence (alts. and add.),** 134 South Maryland avenue, Atlantic City. Architect, S. Dobbins, 12 South Virginia avenue, Atlantic City. Owner, Arnold De Bieir, 134 South Maryland avenue, Atlantic City. Brick, 2 stories and basement, 31x40 feet, slag roof, concrete foundations, tile and marble work. Contract awarded to M. Dolinki, 1309 Pacific avenue, Atlantic City.

**Residence,** South Summerset street, Ventnor, N. J. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City, N. J. Owner, V. Fisher, Guarantee Trust Building, Atlantic City, N. J. Frame, 2 stories, 26x46 feet, slate

roof, hot water heating, electric lighting, tile work, wood floors. Architect will sub-let.

**Garage (add.),** Brunswick avenue, Trenton, N. J., \$2,000. Architect, C. P. Weiden, Motor Co., Trenton, N. J. Owner, Mary Hemd, Brunswick avenue, Trenton, N. J. Brick, 1 story, 12x12 feet, slag roof, cement foundations. Contract awarded to C. M. Barlow, Trenton, N. J.

**Garage (add.),** 214 Academy street, Trenton, N. J., \$3,100. Architect, private plans. Owner, David McAskie, 214 Academy street, Trenton, N. J. Brick, 2 stories, stone foundations, slag roof. Contract awarded to C. F. Smith, Trenton, N. J.

## Miscellaneous Construction News

**Open Shed,** A and French streets, Wilmington, Del., \$3,000. Architect, private plans. Owner, J. A. Cranston, Wilmington, Del. Frame, 1 story, 80x80 feet. Contract awarded to Patrick Fahey, 103 North Clayton street, Wilmington, Del.

**Residence,** Pinehurst, N. C., \$30,000. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner's name withheld. Frame, 2½ stories, shingle roof. Plans in progress. Details undecided.

**Residence,** Winston Salem, N. C., \$30,000. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Alexander S. Hanes, Winston Salem, N. C. Brick, 2½ stories. Plans in progress. Details undecided.

**School,** Winston Salem, N. C. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owners, Reynolds Memorial School, care of Mrs. Reynolds, Winston Salem, N. C. Hollow tile and plaster, 1 story, will include gymnasium and auditorium, tile roof. Plans in progress.

## MARYLAND

### Construction News

**Residence,** Hagerstown, Md. Architect, R. Brognard, Crozer Building, Philadelphia. Owner's name withheld. Stone and frame, 2½

stories, 20x35 feet. Too early for details. Preliminary plans being drawn.

**Seamanship and Navigation Building,** Naval

Academy, Annapolis, Md. Spec. 3760. Architect, J. H. De Sibour, Hibbs Building. Owners, U. S. Government, care of C. W. Parks, Chief, Navy Department, Washington, D. C. Stone and granite, 4 stories, 323x64 feet, corridor 57x12 feet, hollow tile, fire doors, slate, tile and slag roof, steam heating, electric lighting and elevators, steel and iron work, ornamental iron work, fire escapes, bronze work, metal doors, metal ceilings, tile work, etc. Lowest bidders, Levering & Garrigues, 552 West Twenty-third street, New York City, \$658,927.

**Dwelling,** Fairview and Hilton streets, Baltimore, Md. Architect, John R. Forsyth, 232 St. Paul street, Baltimore, Md. Owner, W. F. Shimmeck, care of Chesapeake Ship Sealing Co., Baltimore, Md. Frame, 2½ stories, slate roof, hot water heating, electric lighting, metal lath, tile work, hardwood floors, vacuum cleaning system. Owner is taking sub-bids. J. L. Brown, care of owner, will build.

**Dwelling,** Englewood road, Roland Park, Md. Architect, Edw. L. Palmer, Jr., 513 North Charles street, Baltimore, Md. Owner, L. E. Wrenn, Lexington Building, Baltimore, Md. Hollow tile and stucco, 2½ stories, slate roof, hot water heating, electric lighting, plastering, metal lath, tile work, hardwood floors, vacuum cleaning system. Architects taking bids due March 21st. Gladfelter & Chambers, E. G. Turner, G. Walter Tovell, Hicks, Tase & Norris, and John Cowan & Son, all of Baltimore, Md., are figuring.

**Building (alts.),** 663 West Lexington street, Baltimore, Md. Architect, George R. Callis, Jr., Melvin avenue, Catonsville, Md. Owner, D. Zeligman, on premises. Brick, slow burning construction, 3 stories, 28x59 feet, and 1 story 28x50 feet, slag roof, steam heating, hollow metal skylights, ventilators, plumbing. Plans in progress.

**Bakery (remodeling),** Preston street and Madison avenue, Baltimore, Md. Architect, E. H. Glidden, Baltimore, Md. Associate architect, Theo. W. Pietsch, American Building, Baltimore, Md. Owner, Gardners' Bakery, 119 South Paca street, Baltimore, Md. Changing present building to bakery building. Plans in progress. Too early for details.

**Restaurant (alts.),** 113-15 West Fayette street, Baltimore, Md. Architect, Smith & May, Calvert Building, Baltimore, Md. Owner, Celestial Restaurant, care of Lee Shue, on premises. Interior and exterior alterations, flush bulk, electric lighting, hollow tile and stucco, metal lath, tile, marble and terrazzo work, hardwood floors, dumbwaiters, skylights, ventilators, plate glass. Architects taking bids. Consolidated Eng. Co., Frainie Bros. & Haigley, R. H. Frazier & Son, J. J. Moylan, and C. L. Stockhausen Co., all of Baltimore, Md., are figuring.

**Apartment (alts.),** Whitelock street and Eutaw place, Baltimore, Md. Architect, E. H. Glidden, Baltimore, Md. Associate architect, Theo. Wells Pietsch, American Building, Baltimore, Md. Owner, Company, care of Simon Rief, 100 Chester street, Baltimore, Md. General interior alterations for apartments, steam heating, electric lighting, fire escapes, skylights, ventilators, metal lath, plumbing, tile

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and terrazzo work, hardwood floors, dumbwaiters. Architects taking bids. W. E. Harn & Co., A. Knell, Jr., John F. Kninkel, and Cogswell-Koether Co., all of Baltimore, Md., are figuring.

**Garage**, Butchers lane, Franklin and Calverton streets, Baltimore, Md. Architect, Fred J. Beall, 1335 North Gilmore street, Baltimore, Md. Owner, James M. Curran, 501 North Pulaski street, Baltimore, Md. Brick, slow burning construction, 1 story, 208x286 feet, slag roof, steam heating, electric lighting, skylights, ventilators, tile, slate and terrazzo work, plastering, painting, plumbing. Owner will take sub-bids.

## Maryland

### Contracts Awarded

**Apartment Store**, Reisterstown road and Suffolk avenue, Baltimore, Md., \$8,000. Architect, Stanislaus Russell, 2730 North Calvert street, Baltimore, Md. Owner, John J. Carlin, 11 East Lexington street, Baltimore, Md. Brick, 2 stories, 26x53 feet, slag roof, tile and wood floors, electric lighting. Owner will build and is ready for sub-bids.

**Residence**, Mayfield and Harford road, Baltimore, Md., \$18,000. Architect, F. J. Beall, 1335 Gilmore street, Baltimore, Md. Owner, Martin Horn, 2208 Harford road, Baltimore, Md. Brick, marble trim, 2½ stories, 30x52 feet, tile roof, hot water heating, electric lighting, hollow tile, marble and terrazzo work, hardwood floors, dumbwaiters, vacuum cleaning system. Contract awarded to George A. Gebb, 1347 Gorsuch avenue, Baltimore, Md.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

### Philadelphia

**Garage**, northeast corner of Twenty-eighth and Somerset streets, \$300. David Frankel (O), on premises. A. Warshowsky (C), 545 North Seventh street. Brick, 1 story, 10x16 feet.

**Office**, 4606 Frankford avenue, \$1,000. E. McKinley (O), 4608 Frankford avenue. Jas. S. McDougall (C), Olney. Brick, 1 story, 10 feet 6 inchesx36 feet.

**Service Station**, northeast corner of Bustleton avenue and Levick street, \$1,000. A. Forepaugh (O and C), 1671 Dyra street. Brick, 1 story, 20x20 feet.

**Garage**, west side of Fifty-eighth street and north of Wyalusing avenue, \$450. Harry Berg (O and C), on premises. Concrete, 1 story, 7x4 feet.

**Garage**, north side of Granite and West Cottage street, \$500. Alford F. Mann (O), on premises. John C. Bower (C), 4734 Mulberry street. Brick, 1 story, 19 feet 6 inchesx40 feet.

**Garage**, 7209 Elmwood avenue, \$800. George Smith (O and C), on premises. Brick, 1 story, 16x50 feet.

**Cooling Hot Water Tower**, south side of Jefferson and east of Twelfth street, \$4,600.

### Proposals

#### INVITATION FOR PROPOSALS.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., March 7, 1919. SEALED PROPOSALS will be opened in this office at 3 P. M., March 28, 1919, for changes, additions, etc., at the United States Post Office, Youngstown, Ohio. Drawings and specifications may be obtained from the Custodian of the Post Office or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., March 5, 1919. SEALED PROPOSALS will be opened in this office at 3 P. M., April 2, 1919, for sewer and water supply connections at the United States Marine Hospital at New York, N. Y. (Stapleton), in accordance with specifications and drawings, copies of which may be had at this office or at the office of the Supervising Chief Engineer, Frank A. Lang, 731 Custom House, New York, N. Y., in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., March 6, 1919. SEALED PROPOSALS will be opened in this office at 3 P. M., March 27, 1919, for alterations in the United States Post Office and Custom House building at Albany, N. Y. Drawings and specifications may be obtained from the Custodian of the building at Albany, N. Y., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**Supplee**, Wills, Jones Co. (O), Twenty-sixth and Jefferson streets. C. H. Wheeler Manufacturing Co. (C), Eighteenth and Lehigh avenue. Steel.

**Dwellings** (44), east and west side of Fernhill street, between Berkley and Apsley sts., \$3,400 each. Robert Killough (O), Wayne and Duval streets. Brick, 2 stories, 15-16x32 feet, slag, tin and slate roofing, hot water heating.

**Garage**, west side of Frankford avenue, north of Columbia avenue, \$25,000. John M. Kennedy, Jr. (O and C), 1001 Chestnut street. Brick, 1 story, 97x160 feet.

**Storage**, east side of Hutchinson street, north of Master street, \$3,000. Purity Candy Co. (O), 922 Master street. E. E. Hollenback (C), 1804 Brandywine street. Brick, 1 story, 30 feet 6 inchesx50 feet.

**Garage**, 4219 Haverford avenue, \$1,200. B. Gale (O), on premises. George H. Evans (C), 45 North Thirteenth street. Iron on iron, 1 story, 20x19 feet.

**Garage**, 2410 North Fifty-third street, \$1,125. A. M. Davis (O), 131 North Thirteenth street. Thomas P. Moran & Co. (C), 6609 N. Twenty-first street. Stone, 1 story, 20x22 feet, slate roofing.

**Garage**, 408 Westmoreland avenue, \$2,375. C. N. Martin (O), on premises. I. A. Dunkelberger (C), 71 East Herman street. Stone, 1 story, 24x26 feet, shingle roof.

**Dwelling**, 4745 Milnor street, \$1,200. Jos. Flookowski (O), on premises. A. H. Nogorski (C), 2416 Orthodox street. Brick, 2 stories, 13½x28 feet and 10½x15 feet, slag roof.

**Dwelling and Garage**, Manatawna avenue, west of Ridge avenue, \$3,750. Griffith Yarnall (O), on premises. Frame and stone. Residence, 2 stories, 26½x29 feet, shingle roof, hot water heating. Garage, 1 story, 16x18 feet.

**Store and Dwelling**, 742 South Fourth street, \$8,000. M. Ruback (O), on premises. Schechtman Bros. (C), 1734 North Seventh street. Brick, 3 stories, 19½x50 feet and 16x39 feet, slag roof, hot air heating.

**Store and Dwelling**, 3130 North Twenty-second street, \$5,000. D. Espisito (O), 3023 North Twenty-first street. Brick, 3 stories, 17x48 feet, slag roof, hot air or steam heating.

**Stores** (2), 4266-68 Main street, \$4,000. Schofield Estate (O), Main and Rector streets. Frank G. English (C), 1608 North Carlisle street.

**Garage and Shop**, west side of Sixty-second street, south of Locust street, \$10,000. S. Calpacian (O), 5926 Walnut street. A. M. Maljoulia (C), 5926 Walnut street. Brick, 2 stories, 20x95 feet.

**Store**, 3074 Kensington avenue, \$4,000. F. K. Pierson & Son (O), 3076 Kensington avenue. J. F. Carberry (C), 1974 Medary avenue. Brick, 2 stories, 16x16 feet.

**Dwelling**, west side of Credfeldt street, 300 feet south of Beles Mill Road, \$35,000. C. C. Tutuiler (O), Chestnut Hill. Wolverson & Co. (C), Willow Grove avenue. Stone, 3 stories, 63 feet 6 inches and 26 feet 3x37 feet 4 inches and 28 feet, slate roof, hot air heating.

**Store**, northwest corner of Fox and Hunting Park avenues, \$1,200. John A. Goodwin (O and C), northeast corner of Twenty-seventh and Tioga streets. Brick, 1 story, 20x45 feet.

**Dwelling**, St. Martins Lane and Hartwell avenue, northeast corner, \$18,575. Frederick H. Strawbridge (O). Specht & Sperry (C), Heed Building. Brick, 3 stories, 45 feet 7 inches and 17 feet 3 inchesx27 and 23 feet, slate roof.

**Factory**, 2918 West Dauphin street, \$12,000. The International Tooth Co. (O), 2926 West Dauphin street. Philip Hailbach Cont. Co. (C), 1261 North Twenty-sixth street. Addition.

### Alterations and Additions

**Amusement Building**, Ford Road and Monument avenue, \$2,500. Woodside Realty Co. (O), West Park, Philadelphia. E. T. Bender (C), 6014 Torresdale avenue. Alterations.

**Store and Dwelling**, 1020 West Girard avenue, \$924. J. Klein (O), on premises. F. I. Wintz (C), 1618 North Twenty-seventh street. New Flush bulk.

**Hospital**, northwest corner of Forty-fourth and Market streets, \$450. Pennsylvania Hospital (O), on premises. J. Morris Daniels (C), 252 South Juniper street.

**Dwelling**, 3631 East Falls street, \$600. Jas. Montimore (O), on premises. A. Cipriano (C), 37 Federal street. Brick, one-story addition, 16x12 feet, slag roof.

**Dwelling**, 3633 East Falls street, \$600. G.

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Baenezesi (O), on premises. A. Cipriano (O), '37 Federal street. Brick, 1 story, 16x12 feet, alterations and addition.

Tank and Foundations, Front and Venango streets, \$1,200. Felix A. Tomohno Co. (O), on premises. 10,000 gallon capacity.

Factory, southeast corner of Twenty-second and Spring Garden streets, \$800. Wm. Wood & Co. (O), on premises. Rush J. Whiteside & Son (C), 2115 Wallace street. Repairs.

Store and Dwelling, southeast corner of Twenty-ninth and Clementine streets, \$1,500. Carmine Bacchio (O), on premises. P. Di Giacomina (C), 2036 West Clearfield street. Alterations and additions.

Dwellings, 902-06 McClellan street, \$1,200. Rosa Logamsini (O), 858 South Eighth street. Paul Vollano (C), 817 Hutchinson street. Rebuild fronts with 9-inch brick walls.

Dwelling, 1236 Mercy street, \$400. Jos. Schetti (O), on premises. Brick, 1 story addition, 11x10 feet, slag roof.

Store and Dwelling, 2514 Kensington avenue, \$1,800. H. J. Walther (O), on premises. Wm. F. Koelle & Co. (C), 2601 Oxford street. Flush bulks, alterations and addition.

Garage, 402 Westmoreland avenue, \$475. Mrs. H. W. Taylor (O), on premises. I. A. Dunkelberger (C), 71 East Herman street. Stone, 1 story, 3x22 feet addition.

Church, southeast corner of Wakefield and Wister streets, \$10,000. Trustees of Church (O), on premises. R. M. Peterson & Son (C), 5114 Germantown avenue. Fire repairs.

Church, 714 North Broad street, \$800. Rev. Theo. Park (O), on premises. Jas. McCann (C), 1704 Poplar street. Alterations.

Store and Dwelling, 168 West Cumberland street, \$500. Land Title Co. (O), Broad and Chestnut streets. A. Liebovitz (C), 3214 Columbia avenue. General repairs.

Storage, 422 North Third street, \$3,000. Alexander Bros. (O), 416-18 North Third st. Turner Const. Co. (C), 1713 Sansom street. Tanw support and alterations.

Office Building, Chestnut and Broad streets, \$5,000. Real Estate Trust Co. (O), on premises. Ketcham & McQuade (C), 1029 Brown street. New flush bulk and interior alterations.

Office Building, 322-24 Walnut street, \$400. Maryland Casualty Co. (O), on premises. Brick, alterations and addition, 20 feet long, 3½ feet wide. W. W. Anstine & Co. (C), 1218 Filbert street.

Store and Dwelling, southwest corner of Wyoming avenue and Warnock street. Fanny Cobert (O), 1020 Wyoming avenue. D. Weinstein (C), 1110 North Forty-first street. Flush bulk, alterations.

Dwelling, 314 Hermitage street, \$350. Seville Schofield (O), on premises. C. M. Swartley (C), 6835 Ridge avenue. Front porch.

Dwelling, 312 Hermitage street, \$350. Mrs. J. Kholes (O), on premises. C. M. Swartley (C), 6835 Ridge avenue. Front porch.

Bourse Building, Fifth and Market streets, \$11,000. Philadelphia Bourse Building (O). F. L. Hoover & Sons (C), 1023 Cherry street. Alterations.

Store and Dwelling, 517 Diamond street, \$1,500. Charles Magin (O), on premises. Wm. Frieling (C), 2553 North Fifth street. New flush bulk.

Store and Dwelling, northeast corner of Marshall and Thompson streets, \$500. A. Leubin (O), on premises. B. Arrow (C), 992 North Seventh street. Flush bulk alterations.

Store and Dwellings (2), 1436-38 South Eighth street, \$800. Chas. Weirestein (O), Fifth and McKean streets. Jos. Carlucci (C), 1030 Mifflin street. New brick fronts.

Dwelling, 2919 Richmond street, \$800. Dr. M. B. Breener (O), on premises. H. H. Hooker (C), 3049 North Fifth street. Brick, 2 stories, 14x12 feet.

Store and Dwelling, 2050 East Somerset street, \$400. Charles J. Schlotterbeck (O), on premises. T. H. Peterson (C), 2746 Frankford avenue.

Store and Storage, 1119 Fitzwater street, \$1,000. Andre Abruzzi (O), on premises. Nicholas Nardy (C), 763 South Thirteenth street. Brick, 3 story addition, 18x14 feet.

Slaughter House, 1310 North Marshall st., \$400. Chas. Goldman (O), 731 Walnut street. Mullin & Nolan (C), 738 Oxford street.

Store and Dwelling, 732 Mifflin street, \$300. F. Fishman (O), 708 McClellan street. Changing store and dwelling to private dwelling.

Bakery, southwest corner of Fifty-sixth and Market street, \$1,500. Kolb Bakery (O), on premises. C. B. Comstock (C), 110 West Fortieth street, New York City. Interior alterations, cold storage in basement and third floor brick walls.

Bakery, Broad and Butler streets, \$1,500. Kolb Bakery (O), on premises. C. B. Comstock (C), 110 West Fortieth street, New York City. Interior alterations, 2 cold storage rooms.

Bakery, Tenth and Reed streets, \$1,500. Kolb Bakery (O), on premises. C. B. Comstock (C), 110 West Fortieth street, New York City. Interior alterations, cold storage in basement and fourth floor brick enclosure.

Office, Thirtieth and Chestnut streets, \$4,000. Bridgman Bros. (O), Thirty-first and Chestnut streets. Monaghan & Losse (C), 3016 Chestnut street. Alterations for office, plaster and metal lath.

Dwelling to Tenement House, 1734 Mount Vernon street, \$1,975. Ed. Hutchinson, Jr. (O), Liberty Building. E. E. Hollenback, Inc. (C), 1804 Brandywine street. Alterations.

Dwelling to Store and Dwelling, Marshall and Buttonwood streets, \$1,400. E. Gender (O), on premises. Chas. Schlachman (C), 3108 Westmont street.

Store, 2931 North Fifth street, \$440. W. Brook (O), on premises. S. Krowitz (C), 815 North Marshall street. New flush bulks.

Dwelling and Store, 2017 Columbia avenue, \$700. D. Goldbrecht (O), 505 Chestnut street. A. Schmidt (C), 2449 North Hancock street. Rebuilding wall and foundations.

Dwelling, 627 Contrell street, \$700. A. Lovekin (O), 627 Contrell street. A. Sorokin (C), 627 Contrell street. Brick addition.

Dwelling, 102 West Manheim street, \$350. H. M. Shadewald (O), on premises. M. E. Bunkery (C), 2603 North Sixth street. Bay window extension.

Store and Dwelling, 6402 Vine street, \$400. Orzio Tinizio (O), on premises. John Mansolino (C), 2731 Girard avenue. Brick, 1 story, 11½x6 feet.

Garage, northeast corner of Lee and Clearfield streets. J. B. Shoemaker & Son (O), on premises. Changing stable to garage.

Bridge Connection two Buildings, southeast corner of Ninth and Parrish streets, \$1,000. Powers, Weightman & Rosengarten (O), 916 Parrish street. Robt. Cain (C), on premises.

Tenement House, 1318 South Broad street, \$500. E. Seeds (O), Wissahickon and Johnson streets. F. A. Havens Co. (C), 845 North Nineteenth street. Alterations.

Dwelling and Office, 1202 Lindley avenue, \$450. Dr. Samuel H. Neal (O), on premises. W. John Stevens, Inc. (C), Wyncote, Pa. Alterations.

Store and Dwelling, 2210 Ridge avenue, \$600. Wm. Simpkin (O), on premises. Samuel

Sheckter (C), 619 Watkins street.

Assembly Room, 14 North Vodge street, \$300. Eleanor C. Allen (O), 6101 Washington avenue. J. S. Allen (C), 6101 Washington avenue. Brick, second story addition, 28x13 feet.

Store and Dwelling, 2536 East Allegheny avenue, \$350. Dr. E. J. Klinas (O), on premises. Interior alterations.

Garage, southwest corner of Eleventh and Fitzwater streets, \$600. W. Del Colla (O), on premises. Brick, second and third story addition, 28x48 feet, slag roof, alterations.

Store and Dwelling, northeast corner of Camac and Morris streets, \$300. Salv. Brunetti (O), on premises. Wm. De Petrie (C), 1814 South Ninth street. Two flush bulks.

Smoke House, southwest corner of Ninth and Noble streets, \$2,500. Swift & Co. (O), Ninth and Girard avenue. E. E. Hollenback (C), 1804 Brandywine street. Alterations and remodeling smoke house.

Stable, 1337 South Eighteenth street, \$300. L. Teato (O), on premises. Brick, 1 story, 12x12 feet, slag roof, changing to garage.

Garage, eBaumont avenue, west of Fifty-seventh street, \$2,500. Irene M. Fanus (O), 6055 Upland street. M. Stackhouse & Co. (C), 6070 Reinhart street. Completing building.

Store and Dwelling, 1127 Shunk street, \$500. A. Kach (O), 425 Porter street. A. Shestack (C), 528 Reed street. Flush bulks.

Theatre, northeast corner of Juniper and Market streets, \$3,500. Globe Theatre Co. (O). Alterations and extension of stage and fire escape.

Shop, 1823 Kater street, \$500. M. Shenker (O), 1824 South street. New front.

Dwelling, 1848 North Seventeenth street, \$300. A. Leopold (O), on premises. H. P. Werner (C), 3245 Germantown avenue. Interior alterations.

Milk Dairy Storage, 4709 Lancaster avenue, \$40,000. Supplee, Wills, Jones Co. (O), Twenty-sixth and Jefferson streets. Geo. Kessler Cont. Co. (C), Drexel Building. Brick, 4 and 3 stories, 90x109 feet, slag roof.

Brewery, southwest corner of Second and Girard avenue, \$5,000. C. Schmidt & Sons Brewing Co. (O), on premises. A. R. Raff Cont. Co. (C), 1635 Thompson street. Brick and hollow tile, third story addition, 40x32 feet, alterations and addition to tank room.

Dwelling, 6828 Anderson street, \$500. R. L. Wallace (O), on premises. E. F. Godshall (C), 6631 Ross street. Side porch.

Dwelling, southeast corner of Germantown and Pleasant avenues, \$432. Misses I. and A. Paul (O), on premises. Stokes Bros. (C), 6732 Musgrave street. Bay window.

Dwelling, 91 east Sharpnack street, \$400. M. Duval (O), on premises. John De Paul (C), 80 East Sharpnack street. Brick addition, 2 stories, 15x13 feet.

Office, 3549 Filbert street, \$500. Wm. R. Graham (O and C), 5610 Spruce street.

Ice House, southwest corner of Rhamn and Craig streets. American Ice Co. (O), on premises. F. P. Williams (C), 8230 Frankford avenue.

Store and Dwelling, 2826 Wharton street, \$1,100. J. Seidman (O), on premises. David Goldman (C), 746 Morris street.

Dwelling, 177 East Walnut Lane, \$1,000. C. A. Powell (O and C), 1615 Susquehanna avenue.

Dwelling, 5715 Pearl street, \$350. Lehman Estate (O), 6009 Callowhill street. Thos. H. Pratt (C), 241 North Sixty-third street. Brick, 1 story, 8 feet 6 inchesx13 feet 6 inches.

Store and Dwelling, 169 West Cumberland street, \$500. A. Leibowitz (O and C), 3214 Cumberland street.



Dwelling, 2420 South Beulah street, \$400. Dave Schwartz (O), on premises. Louis Solgonick (C), 538 Mercy street. Brick, 2 stories, 10x8 feet.

Store, 305-7-9 North Fifteenth street, \$1,000. Dr. H. W. Lobb (O), 1209 Race street. D. Henwood (C), 1509 Wood street.

## MAYOR OF INDIANAPOLIS URGES IMMEDIATE RESUMPTION OF BUILDING

Hon. Charles Jewett, Mayor of Indianapolis, Ind., in a statement issued by the Information and Education Service of the Department of Labor, urges the immediate resumption of building activities as an aid to business and insurance against general unemployment of labor. Mayor Jewett says his city will go ahead with municipal work and pleads for the courage and determination essential to mastering the obligations which come to the country as the price of peace. In his statement made to a representative of the Division of Public Works and Construction Development of the Department of Labor, Mayor Jewett said:

"We are well aware of the fact that the war cost this country an enormous sum of money—a far greater sum than we, as individuals, can conceive. The demands of war must be paid at whatever cost. We must not overlook the fact that our immediate responsibility is to discharge the cost of peace. Our country responded enthusiastically to every demand made upon it to meet the cost of war. Now that we enjoy the blessings of peace, we should be equally patriotic and enthusiastic in discharging the obligations that naturally come to every community in the readjustment of our entire community life.

"There is hesitation on the part of some in extending business enterprises on account of the prevailing high prices of labor and material. This is evidenced in the building industry. This line of business activity has been at a standstill for two years. A revival of building enterprises will reach into the industrial field a very great distance. It involves setting into motion the wheels of industry which manufacture and produce steel, lumber, brick, cement and all other building material and building equipment which goes into the construction of such work. This means opening up employment for thousands of men in these various manufacturing plants.

"The cost of labor and material is higher than before the war, but there is no reason to believe that these costs will be subject to a perpendicular reduction. It is more reasonable to believe that any

decline in these costs will be gradual and not abrupt. The war raised greatly the plan of costs. Wages are higher, materials are higher and living necessities are correspondingly higher. These increased costs are all relative. Therefore, a gradual reduction of the entire cost plane is to be expected rather than an abrupt decline in any line of costs. This being true, the chance of investors and builders suffering financial loss because of building at prevailing prices, is remote.

"A stimulation in the building industry and in public improvements will be of immeasurable benefit to every city. It

will absorb the unemployed and keep the community in an active, healthy state. In the war business concerns felt a responsibility to the nation and the city to hold their business organizations together, even at a sacrifice. This was a part of the cost of war. Now that we have peace, the same policy can be applied with the same excellent results, and may well be considered as a part of the cost of peace. If we hold back and wait for low prices before we again become active, we shall defeat the very object we seek to attain. We shall lose the money we sought to save."

## DEMANDS FOR, AND OBSTACLES TO BUILDING

SEVENTY-FOUR cities have returned to the United States Department of Labor questionnaires on building needs and obstacles in getting building under way. Fifty-seven of these cities show a pressing demand for building, and most of these emphasize the shortage of dwellings and apartment houses.

Typical of the representations in this particular are the following: Portland, Maine, reports a shortage in dwelling and tenement houses; Haverhill, Lawrence and Salem, Mass., report a demand for dwellings and tenements; Albany, N. Y., needs flats, Manhattan needs office, dwelling and storage buildings; Rochester needs dwellings and mercantile buildings; Atlantic City, East Orange and Elizabeth, New Jersey, are short in dwellings and apartments, and almost all the towns in Pennsylvania reporting show a deficiency in residences.

Ohio, Indiana and Illinois show a shortage in dwellings, with an occasional report on demands for schools and factories, and the major percentage of shortage in Colorado, Utah, Washington and California is in dwellings. In the South and Southwest there is a demand for business building, this being especially noticeable in Texas and Louisiana.

Scranton and Wilkes-Barre, Pa.; Newark, Ohio; Wheeling, W. Va.; Bloomington and Danville, Ill., report no demand for buildings, indicating present facilities are adequate to current needs.

Tacoma, Washington, was the only city reporting no delay on account of wages, material prices, interest rates and available capital. Tacoma's obstacle was inclement weather and subsequent reports from the State of Washington indicate

preparations for unusual building activity for the spring season.

The questionnaires, which were sent out by the Division of Public Works and Construction Developments of the United States Department of Labor, were calculated to verify the results of other investigations into the building shortage of the country and to develop what, if any, obstacles were being encountered by building interests. Specific information was asked on the influence of wages, material prices, interest rates and available investment capital. Several cities reported that it was none of these which was delaying building, but rather the uncertainty of the future labor and material market. A majority of the cities assert that high wages are a factor in holding back building; there is almost unanimous concurrence in the opinion that high prices of materials are determined obstacles. There is not much complaint about interest rates, but 14 cities report builders are having difficulty in obtaining capital to finance projects.

This latter obstacle appears not to be a sectional matter, but rather one growing out of local conditions in widely separated territory. Cambridge, Mass.; New Haven, Conn.; Albany, N. Y.; Philadelphia, Pa.; Terre Haute, Ind.; Wheeling, W. Va.; Aurora, Ill., are among the cities reporting difficulty in borrowing capital for building work.

Wherever building industry organizations have gone into the subject, the conclusion has prevailed that no decrease in labor wages may be expected for some time to come—not until the general price level on living necessities drops. The investigations of the economists in the Department of Labor, supported by no less an authority than Prof. Irving Fisher, of Yale University, assert no marked reduc-

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tion may be expected in building material prices. Prof. Fisher asserts we are on a new and higher price level, from which, in the main, we shall not recede. "We are on a *permanently* higher price level," says Prof. Fisher, "and the sooner the business men of the country take this view and adjust themselves to it, the sooner will they save themselves and the nation from the misfortune which will come, if we persist in our present false hope."

After setting out the circumstances and developments on which this conclusion is based, Prof. Fisher concludes

his study of the situation with this: "Business men should face the facts. To talk reverently of 1913-14 prices is to speak a dead language today. The buyers of the country, since the armistice, have made an unexampled attack upon prices through their waiting attitude, and yet price recessions have been insignificant. The reason is that we are on a new high price level, which will be found a stubborn reality. Business men are going to find out that the clever man is not the man who waits, but the one who finds out the new price facts, and acts accordingly."

and nation, and are more vitally interested in the welfare and prosperity of both.

2. That during the readjustment period such a movement hastens the return of normal conditions; results in much-needed construction for home and industrial purposes; provides work for returning soldiers and sailors and for labor changing from war to peace industries; stimulates all lines of business in each community, creates general prosperity.

The fact that all these are patriotic in purpose does not eliminate the certainty of their being materially profitable to the local communities and, in the long run, the community which makes it easiest to build and cheapest to build, will reap the greatest material benefits.

Not only has the Department of Labor set out in detail the plan for a successful "Own Your Own Home" campaign. It is preparing publicity matter which is to be placed at the disposal of the local committees and will, where communities can show such action is necessary to the inauguration of the campaign, send an expert to assist in the organizing and getting the movement under way.

The "Own Your Own Home" movement, as outlined by the Department of Labor, was one of the propositions submitted to the recent conference of Governors and Mayors in Washington, where it met with enthusiastic encouragement and support, many of the Governors and Mayors expressing the determination to return to their districts and interest themselves in getting such campaigns under way.

Among the national organizations which have pledged support and co-operation for the "Own Your Own Home" work are the General Federation of Women's Clubs, through its President, Mrs. Josiah Evans Cowles, of Los Angeles, Calif.; the National Association of Real Estate Boards and the National Federation of Construction Industries.

Requests for "Own Your Own Home" campaign literature should be made to the Division of Public Works and Construction Development, United States Department of Labor, Washington, D. C.

## "OWN YOUR OWN HOME" CAMPAIGN PLANS ANNOUNCED BY U. S. DEPARTMENT OF LABOR

COMPLETE plans, adaptable to any city in the United States, for an effective "Own Your Own Home" campaign, have been formulated by the United States Department of Labor and the literature is now ready for distribution through the Division of Public Works and Construction Development of the Department. Twenty cities already are getting under way with their drives for home building and home owning.

To supervise the formulation of these plans, Paul C. Murphy, of Portland, Oregon, for two years working on "Own Your Own Home" work, was brought to Washington. In consultation with Department of Labor officials and several of the leading authorities on building in the United States, Mr. Murphy has drafted the campaign manual, now available for such cities and individuals as are interested in promoting home owning.

The "Own Your Own Home" Bureau in the Division of Public Works and Construction Development will serve as an advisory board to the managements of these local campaigns, where requested, and will extend the fullest co-operation to every city in the country which undertakes a campaign.

Briefly, the campaign plan contemplates a General Committee made up of civic and industrial leaders, with someone whose standing in the community justifies his selection, as the chief executive official.

Under this general committee are such sub-committees as have been found essential. The manual suggests the prudence of having vigorous committees on Finance, Publicity and Campaign Methods, Mercantile Institutions, Public Serv-

ice Corporations, Education, Religious Activities, Industrial Workers and Labor Unions, Hotels and Restaurants, Exhibits and Management of Headquarters, Women's Clubs, Speakers and Meetings, Poster Contests, Civic Bodies, Theaters and Amusements, Transportation and Automobiles, Industrial Plants, Music, Printing and Supplies and Donations.

The function of each committee is explained in detail in the Department's manual, together with suggestions on handling specific problems which invariably develop in the "Own Your Own Home" campaign.

In the Department of Labor's plan of campaign the women, churches and labor organizations play an important part. The entire campaign is pitched on a civic betterment plane rather than on a purely commercial basis, and the appeal is more on the line of what each business group can put "in," rather than what it can get "out" of the movement. It is a one hundred per cent. Greater City movement, having in mind only the incalculable permanent benefits to the community and the immediate helpfulness to the nation during the transition from war mobilization to peace production. The Department of Labor emphasizes these benefits which may be expected from the "Own Your Own Home" movement:

1. It will provide better living conditions, increase efficiency, encourage thrift, give greater comfort and happiness and create individual reserves for misfortune and old age. Every house owner with his family, whether rich, poor or well-to-do, becomes thereby a better citizen, with increased self-respect, independence and responsibility to the city

### REGISTERED ARCHITECTS OF ATLANTIC CITY, N. J.

The Society of Registered Architects of Atlantic City, N. J., was organized recently to establish uniform professional fees for architectural services and to promote the building art of Atlantic City.

Temporary officers were elected as follows: Wm. Riebenach, Chairman; Bertram Ireland, Secretary.

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# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Face, Etc.).

O. W. Ketcham.....Builders' Exchange, Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.  
Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.  
Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.  
Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.  
General Fireproofing Co.....832 Arch st., Phila.  
Henry S. Harris.....Land Title Bldg., Phila.  
Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truscon Steel Co.....Commonwealth Bldg., Phila.

## Floor Plates.

Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.  
Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Insurance.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.  
Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.  
Harris J. Latta.....Penna. Bldg., Phila.  
Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Levels.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Light Iron Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lumber.

Wm. Lloyd Co.....29th and Ridge ave., Phila.  
James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.  
Italian Marble Mosaic Co...433 Spruce st., Phila.  
Roman Mosaic and Tile Co..435 Green st., Phila.

## Metal Lath.

Audubon Wire Cloth Co., Inc....Audubon, N. J.  
Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.  
General Fireproofing Co.....832 Arch st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truscon Steel Co.....Commonwealth Bldg., Phila.

## Metal Lath Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Metal Tiles and Shingles.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Meters.

Philadelphia Meter Co.,  
Real Estate Trust Bldg., Phila.

## Mill Supplies.

The Fairbanks Co.....7th and Arch sts., Phila.

## Paints and Varnishes.

The Barrett Company,  
New York and Philadelphia.  
Felton, Sibley & Co.....136 N. 4th st., Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

## Pipe Fittings and Valves.

The Fairbanks Co.....7th and Arch sts., Phila.

## Plumbing Fixtures.

Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Preservatives (Wood and Concrete).

The Barrett Co.....New York City and Phila.

## Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Refrigerators.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.

## Reinforcing Bars.

Truscon Steel Co....Commonwealth Bldg., Phila.

## Roofing.

The Barrett Co.....New York City and Phila.

## Roofing Tile.

O. W. Ketcham.....Builders' Exchange, Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Roofing Tin.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Roofing Slate.

William Moore Co.....1506 Sansom st., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

## Slate.

William Moore Co.....1506 Sansom st., Phila.

## Soundings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Structural Slate.

William Moore Co.....1506 Sansom st., Phila.

## Surety Bonds.

Harris J. Latta.....Penna. Bldg., Phila.  
Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.  
Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

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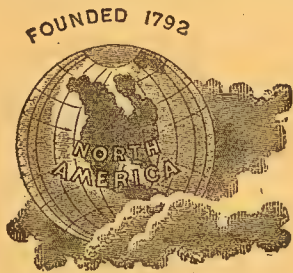


1792

1918

# Insurance Company of NORTH AMERICA

PHILADELPHIA



## 126th Annual Statement

December 31, 1918

|                      |   |   |                 |
|----------------------|---|---|-----------------|
| Cash Capital         | - | - | \$ 4,000,000.00 |
| Reserve for Premiums | - | - | 10,630,740.40   |
| Reserve for Losses   | - | - | 4,419,000.00    |
| Reserve for Taxes    | - | - | 950,000.00      |
| Reserve for Sundries | - | - | 160,000.00      |
| Surplus              | - | - | 8,317,502.26    |

## TOTAL

\$28,477,242.66

|                                |   |   |                  |
|--------------------------------|---|---|------------------|
| Surplus to Policyholders       | - | - | \$ 12,317,502.26 |
| Losses Paid Since Organization | - | - | 192,518,273.33   |

## The Oldest American Stock Insurance Company

Fire Insurance  
Tornado  
Sprinkler  
Explosion  
Inland Transit  
Salesman's Floater

Automobile  
Use and Occupancy  
Builder's Risk  
Tourist  
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Marine  
Rent  
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and

FIRE-PROOF STEEL PRODUCTS

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SIZES FURNISHED ON APPLICATION



Whether you have an "easy" or "complicated" heating or cooking problem, it can be solved by simply specifying **ADELPHIA** on either a



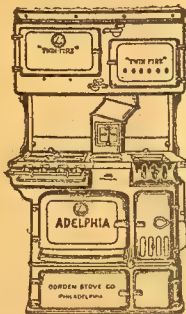
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GAS RANGE

WARM AIR PIPE OR PIPELESS  
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COMBINATION COAL AND GAS

TANK HEATER

We are also Eastern Agents for the celebrated PITTSBURG line of automatic and tank gas water heaters. Our centrally located showrooms present one of the finest assortments in the city, and the architect or client is always assured of a hearty welcome. Our complete stocks carried at all times enable us to render that same BORDEN SERVICE—since 1878—and last but not least—our prices are right, too!

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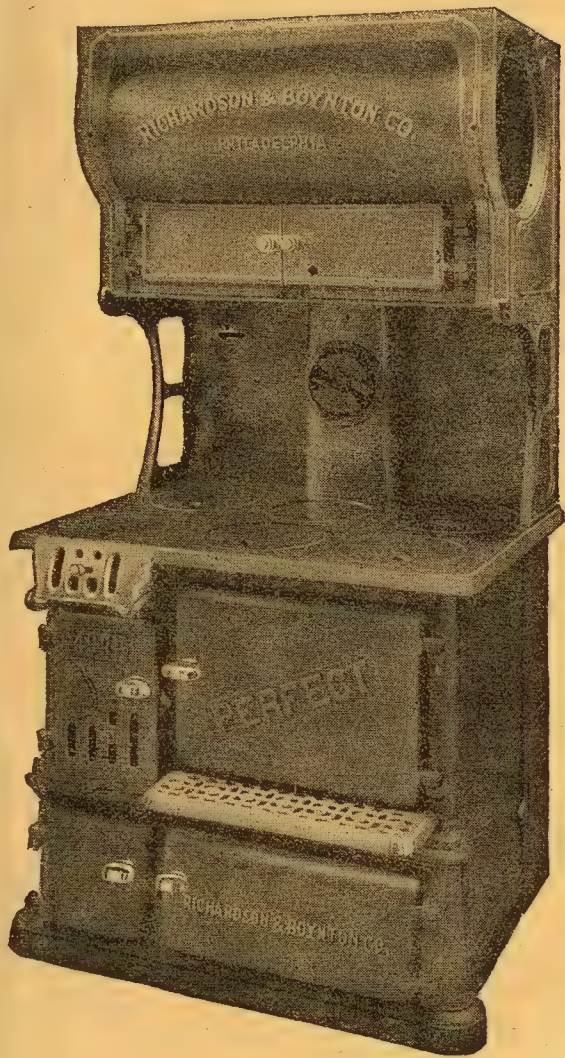
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 13  
March 26, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

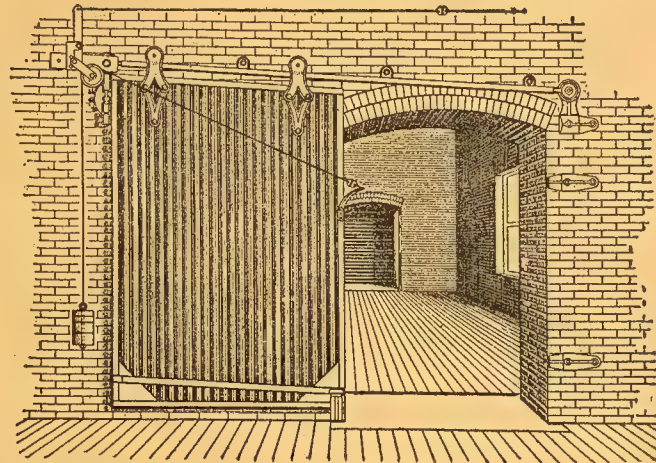
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They are constructed of transversely laid standard 2½ inch corrugated galvanized steel, with inter-lining of asbestos roll board, all held securely by a frame of continuous bar steel. ALL JOINTS ARE WELDED—not riveted or bolted

We also manufacture "Star" Ventilators, Metal Tiles and Shingles, both approved by the U. S. Government, and High Grade Roofing 1 in.

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NATIONAL  
CEMENT**



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FOR VALUABLE CATALOGUE

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REINFORCING BARS—Cut to Length  
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**TRUSCON STEEL COMPANY**

Formerly TRUSSED CONCRETE STEEL COMPANY

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Philadelphia





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Iron Railings and Entrance Gates, Lawn Fences, Tennis-Court, Poultry and Kennel-Yard Enclosures, Arbors, Trellises, and Flower-Bed Guards. Catalogues of any or all are yours upon request.

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Philadelphia, 24 S. Seventh St.  
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Terra Cotta Works, Crum Lynne, Pa.

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### Building Construction

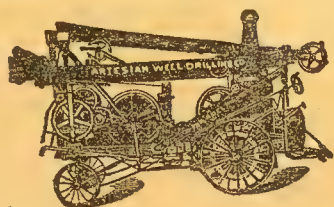
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225 COMMONWEALTH BUILDING

Base and Floor  
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should be used wherever a sanitary floor is desired. Practically noiseless, it is the ideal floor for schools, public buildings, railway stations, stores, kitchens, etc.

Damp, Fire and Vermin Proof

WE LAY THIS FLOOR ANYWHERE  
Information and samples on request

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and

## Water Painting

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Manufacturer and Contractor  
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Both Phones

# Daily Building News

Reliable, Advanced,  
Confirmed, Up-to-  
the-Minute, Infor-  
mation on Proposed  
Building Work in  
Philadelphia, East-  
ern Pennsylvania,  
Southern New Jer-  
sey and Delaware.

Let Us Show You  
How You Can Use  
This Service to In-  
crease Your Business.

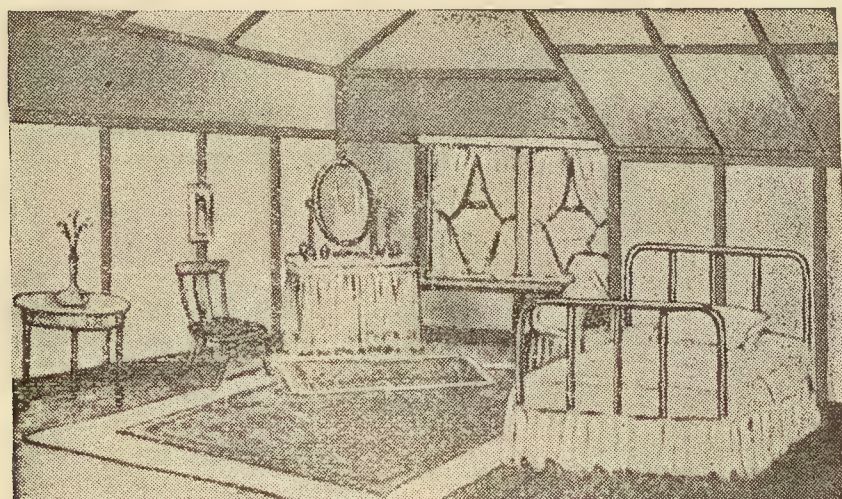


## Building News Publishing Co.

Perry Building, Philadelphia

Bell Phone, Spruce 1611-12  
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Lumber Yards

Philadelphia Agency

Northeast Corner 10th and Columbia Avenue

Northwest Corner 19th and Cambria Streets

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### Specialists in Metal Lath and Light Iron Construction

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### Fire Proof Partitions Plain & Ornamental Ceilings Cornice Furring & Bracketing Metal Lathing for Stucco

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### "F-S" Products stand the most rigid inspection.

For example, when you want a shingle stain to stand the most rigid inspection, use ShingleKote. It will give a good durable job. Made in greens, browns and grays.

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(147)

### Bricklayers, Masons, Plasterers

#### DO YOU

use the hod carrying method of elevating brick, mortar, cement, etc.? It's too old fashioned—too slow and cost-

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"LITTLE GENERAL" MATERIAL ELEVATOR HOISTS are used by dozens of bricklayers in Philadelphia, who used to rely on the hod carrier method, which was expensive and unsatisfactory. Now they use a "LITTLE GENERAL" and save money.

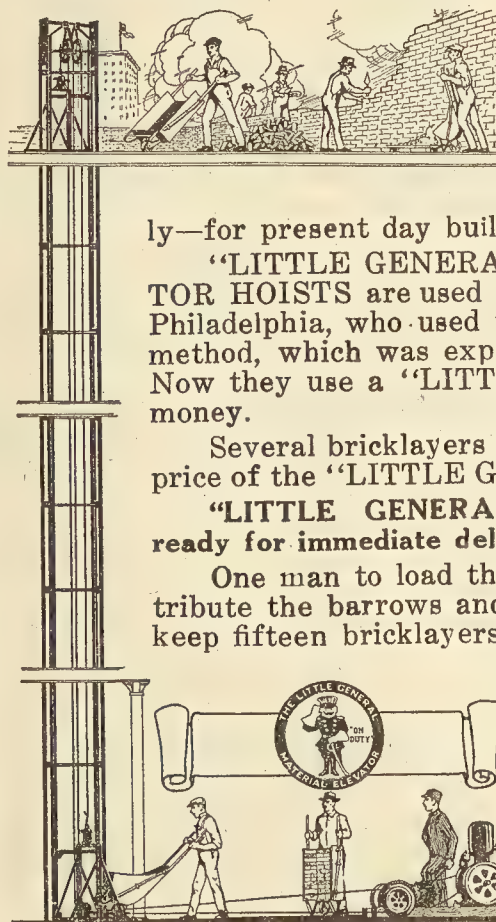
Several bricklayers have told us they saved the price of the "LITTLE GENERAL" on the first job.

"LITTLE GENERALS" in Philadelphia stock ready for immediate delivery.

One man to load the elevator, one man to distribute the barrows and one man at the hoist will keep fifteen bricklayers hustling.

Elevator operates in an opening 26" x 60". Easy to erect, easy to take down and move, convenient to store.

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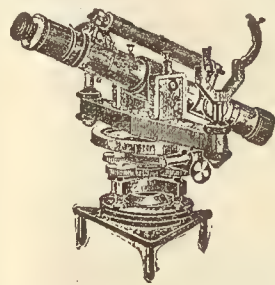
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Frescoing Wall Coverings

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## WHY IS WOODOLEUM FLOORING THE BEST

*Because* the Woodoleum Manufacturing Company is the pioneer in this line of floor covering.

*Because* we use only the best materials, and *because* our guarantee is absolute and unqualified.

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**WOODOLEUM MFG. CO.**

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Scientifically and correctly applies the laws of warm and cool air circulation for heating entire house thru one register.

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Low cost and easily installed.

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Pipe, Valves and Fittings.

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VARNISHES—Elastic, durable, lustrous.

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York Ave., Fourth and Callowhill Sts.

Established 1844

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## BAIRD-OSTERHOUT COMPANY

Electrical Contracting in all its Branches

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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 13

PHILADELPHIA  
March 26, 1919

## BUILDERS' GUIDE

OFFICES, PERRY BUILDING (Suite 824-825-826)  
Sixteenth and Chestnut Sts., Philadelphia, Pa.

PUBLISHED WEEKLY  
BY

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## As The Editor Sees It



EVERY day the conviction becomes stronger in our minds that building must go on; that construction work of all kinds is essential as a means of employment for labor no longer needed on war contracts and for men returning from the camp and overseas. Furthermore, since the Governors and Mayors conferred with Federal officials in Washington on the industrial conditions of the country, there appears to be a more determined conviction in the building industry that present prices of material and labor are not going down in the near future. This conviction is reflected in the increase in building activities and construction work. Incomplete data on March contracts suggest the possibility of the March total being in excess of the total for February, which was, in turn, quite an increase over the contracts of January.

While State and municipal construction works are playing an important part in the acceleration of business throughout the country, private and corporation influences are responsible for most of the present building activities. Much road work, especially in Indiana, Illinois, Ohio and Iowa, appears to be held in abeyance in the hope of an early adjustment of freight rates on road materials.

Among the building projects brought to the attention of the Division of Public Works and Construction Developments of the United States Department of Labor during the week were the following:

The City National Bank of Galveston, Texas, will begin the construction of a new building to cost approximately \$135,000.

Manhattan Beach Estates, near New York City, are to be improved immediately by the erection of seventy-five concrete bungalows.

The International Association of Machinists, Washington, D. C., has let a contract for a seven-story and basement office building to cost \$300,000.

The Central Savings and Loan Company of Youngstown, Ohio, will erect a fifteen-story building to cost approximately \$1,000,000.

M. A. Fisher, of Oakland, California, will rush to completion a circular dancing hall of steel and concrete with space for six stores. It will cost \$300,000.

The Western and Southern Life Insurance Company, of Cincinnati, Ohio, will spend \$300,000 in adding several stories to its present building. This improvement is announced as the company's contribution to the Government's building program and pupils of art and architecture in the recognized schools of the city have been asked to compete in designs that will carry out the present style of architecture.

Work on the new public hall in Cleveland, Ohio, halted by the war, has been resumed by the letting of a contract for \$79,000 for the foundation. Soldiers are given preference on the job.

In Springfield, Ohio, a project involving practically \$1,000,000 is under way.

New building for the Y. M. C. A. and the Masonic Temple will be constructed on a centrally located corner.

Canton, Ohio, announced for the month of February eighty-six permits, aggregating \$357,450. This exceeds 1917 by more than \$300,000.

A new building for patients of the Davis-Fischer sanitarium in Atlanta, Georgia, will be erected at a cost of \$140,000.

Pueblo, Colorado, will build a new City Hall. Bids have been opened and work will be started within a short time.

The Liggett & Myers Tobacco Company has acquired 600 feet frontage in Danville, Va., and will begin at once the construction of a factory.

James Butler, owner of the Ormonde and Seminole apartment house in New York City, which comprise a block front on Broadway, between Sixty-ninth and Seventieth streets, will remodel the buildings for a hotel at an estimated cost of \$600,000.

Joseph Fabian, proprietor of the Regent and Garden Theatres in Paterson, N. J., has acquired possession of the property in Newark, N. J., on which the building of the Star-Eagle is located, and will build immediately a motion picture theatre with a capacity of 3,300.

The Methodist Episcopal Church, which has pledged itself for a fund of \$100,000,000 to carry on world reconstruction work, will spend \$1,000,000 in Baltimore, Md., according to an announcement made by the Rev. Hamilton

**DRAWING  
MATERIALS**

**CHARLES H. ROBBINS, JR.**  
1209 Arch Street,  
BELL PHONE, WALNUT 1086  
Philadelphia  
KEYSTONE PHONE, RACE 614

**BLUE  
PRINTS**



P. Fox, of the Fayette Street Methodist Episcopal Church, of that city.

Permits for 202 two-story brick dwellings were issued in Baltimore, Maryland, in the month of February. They represent a cost of \$406,150.

**H**ENRY N. TEAGUE, Field Agent for the United States Department of Labor, returned recently from a trip including all the principal cities from Boston to San Francisco. Giving his impression of that trip, which we printed in an earlier issue of THE GUIDE, Mr. Teague said that there is much criticism in the West of the Federal Government's failure to go ahead with its own building operations. This feeling is not confined to the West, however, and at the Governors' and Mayors' Conference, Mr. R. J. Wheeler, of Allentown, Pa., said in his address:

"The Government has a great housing project at Bethlehem, which has been stopped on account of economy, mind you, they say. There are 15,000 men working around in that section, and this would give employment to 4,500 men for three months. There are people enough living in Bethlehem, Allentown and Easton to occupy all of those houses. In South Bethlehem eleven people are living in one apartment. That is twice as many as good housing permits. The Government is advising us what to do, and then, in the interest of economy, they say, after having poured billions into doubtful enterprises, they are leaving this job go by unfinished, and scrapping it, when the houses are partly finished, and could be finished without the loss of any money, and would give employment to 4,500 men for a period of three months, and would afford housing for hundreds of families that need it. While we are learning, the Government ought to take some of its own advice—take some of its own medicine."

Mr. Pigott, representing the Mayor of Seattle, Washington, presented noteworthy suggestions. "I would advise the Mayors and Governors," said Mr. Pigott, "the Mayors of the different cities, first, to call together your leading merchants. Make it your duty and your business to do it, and insist in the most forcible language that you can use, if necessary, that they must reduce the cost of living, the essentials and necessities of life, anywhere from 15 to 25 per cent., and they can do it—that is the important thing today—and they can do it without reducing the wage.

"Now, the next thing to do is to discuss these propositions with your business men, your manufacturers and employers of labor. As I have been in the manufacturing business, I realize that for the last four years we have been running

night and day. We have allowed our machinery to run down; we have not renewed any machinery and have not made any improvements or any enlargements. Why? Because we were too busy, and in that time we did not lose any money. Now, if you will intercede and discuss this matter with the different manufacturers of your cities and say, 'Now, here; while we know that your orders are scarce and your business is shut down for want of appropriation, we want you as good citizens to start immediately to make the necessary repairs you deferred during the boom. Make the necessary improvements and make the necessary repairs that you contemplated—and if you do that, gentlemen, you will find in all of your towns employment for thousands of men who are now idle in the streets.'

"Today it is a mooted question whether the Government is going to retain the railroads for one, two, three, four or five years, or whether it is going to turn them back to private ownership. The thing we are interested in is not so much whether they are going to turn the railroads back to the owners or whether the Government is going to continue to operate the railroads for three or five years; that is not the thing that interests us most. The thing that interests us is to find out what the Government wants to do and what they are going to do, so that we can work accordingly. You know that for the last five years, in the manufacturing plants of the United States, the Government has made no repairs to rolling stock; their road-bed is run down, they have built no new side-tracks for extensions, and if you can induce the officials in the great States and cities of the country, and the United States Government, to establish the policy at once the number of men who can find employment on the railroads alone in America will represent probably one million.

"This Government some five or six years ago undertook to build a railroad in Alaska. The road as planned is about 515 miles long; it has been planned and surveyed. There was an appropriation of \$35,000,000 made for the construction of that road from the salt water to the river. The Government has already spent about \$31,000,000 on that road, and there it is. Two-thirds of the road built is being washed away day by day. \$31,000,000 spent, and it would take \$10,000,000 more—in fact, \$9,500,000 more—to construct and finish that railroad; and if they could get it today they could do it. What has been the result? On two-thirds of that great road today all work is stopped just because this Government of ours did not have the time to pass an appropriation at this session of Congress to continue and complete the road.

"Now, gentlemen, I have been associated with business and have been in the

manufacturing business ever since I was a boy, and I know whereof I speak, and I tell you that it is not necessary at this present moment to reduce wages, either for the purpose of reducing the cost of living or for the purpose of reducing building material, so that you can go ahead with your building projects. Knowing what I do about the cost of the different materials that go into the construction either of buildings or roads, I know that it is possible to reduce the cost of building material today anywhere from 10 to 33 1-3 per cent., and without reducing the rates of wages.

"Now, the next great problem I would undertake is that of the irrigation and the reclamation of the public lands. We have a great country west of the Rocky Mountains where it is possible to put millions and millions of acres of ground under cultivation, although coming from the Northwest, we have no interest in what State nor what place you make your improvements. We want the improvements made where they can be made to the best advantage of all."

#### NO APARTMENT HOUSE WORTHY OF MEDAL

After a careful examination of the merits of the 160 apartment houses erected in Cleveland in 1916, the Jury on Apartment Houses of the City Plan Committee of the Cleveland Chamber of Commerce has returned the following verdict to the Sub-Committee on Medal Awards:

"The jury have failed to find any example which is free from the harshest criticism, is unanimous in the opinion that the Cleveland apartment houses are doing less than any other class of building to enhance the beauty of our city, and therefore recommend with regret that no medal be awarded for the 1916 group of apartments."

"As laid down in the program set by the sub-committee on medal awards," the report amplifies, "the buildings were scored on sanitation, on plan or the adaptation of space to use, and on aesthetic value."

#### PERSONAL NOTES

C. E. Schermerhorn, architect, announces resumption of practice at 430 Walnut street, Philadelphia. Mr. Schermerhorn completed his services with the Military Intelligence Station, Plant Protection Division, General Staff Corps, United States Army. His work was very highly praised by Edmund Leigh, Chief of the above-mentioned department.

Calvin Young, architect, Reading, Pa., has moved his offices to 520 Washington street. Mr. Young wants catalogues of architectural and building materials and specialties.

Andrew C. Borzner, architect, will resume practice at 717 Walnut street, Philadelphia, after April 1st. Mr. Borzner has been with the International Shipbuilding Corporation at Hog Island, where his services were of great value.



## THE WAR MEMORIAL—SHALL WE MAKE IT SOMETHING WORTH WHILE?

BY CHARLES H. CHENEY.

A great problem confronts every community of the country. Architects, sculptors, landscape architects, city planners are being called in by civic committees; money is being subscribed with a lavish hand that the nation's dead and wounded may be honored and the great victory of humanity fittingly commemorated.

The form that these monuments shall take is now everywhere being discussed and it seems our duty to keep clearly before these committees and the public an understanding of the fact that these monuments may be made as perpetual a living force and value to future generations, as the great principles which led us to victory.

There seems to be a general demand that the large sums to be expended shall go into something that will be useful to the community, rather than into the dead monuments of granite and bronze, such as cluttered the country after the Civil War, and not only meant little after that generation was gone, but were often of such poor inspirational or artistic appeal as to become an incubus to the community possessing them.

Liberty buildings, community centers, victory boulevards, memorial highways, commemorative hospitals and similar constructively useful undertakings are suggested as more appropriate substitutes by foremost citizens, newspapers, and interested organizations from Cleveland to San Francisco, and from Portland to Atlanta.

Will the architects, and sculptors particularly, of this country realize their highest civic duty, and help their respective communities to make the best use of these funds so sincerely contributed? We believe they will not only do that, but will also take the lead in so directing public attention.

In practically every comprehensive city planning project in this country the civic center has been a feature. This in a sense gave a physical center to the city's aspirations for civic betterment of all sorts. Here in one group would be found the city hall, the postoffice, the public library and in some larger cities an auditorium and art gallery. But very seldom have these civic centers been made to function also as true community centers—that is, as places to which the people would come for dances, semi-public meetings, etc., and places where the civic agencies such as the Betterment Commissions, the local Red Cross, etc.,

could have their headquarters. In the possibility of bringing this phase of community life to the civic center there is a new chance for city planning to prove its usefulness.

When the war started many people thought that such projects would be lost sight of until peace came. On the contrary a great impetus has been given to many such movements in unexpected ways. The Community House idea, particularly, has gained greatly through the activities of War Camp Community Service. This organization was created to provide wholesome recreation and comfort for soldiers and sailors in towns adjacent to the army cantonments and army and navy posts. It has organizers and representatives in more than three hundred cities, and has stimulated entertainment work for men in uniform in more than six hundred cities.

The War Camp Community Service has acted as the leaven in arousing civilian responsibility to meet the emergency created by the proximity of the camps. It has brought into each camp community trained social workers who enlist the interest and active co-operation of the townspeople. The local organization usually brings together representatives from the Rotary Club, the Chamber of Commerce, the most active churches in the city, the leading woman's club, and any other body which seems especially fitted to co-operate. This organization in turn appoints committees made up of men or women, or both, to mobilize every facility the community affords for the comfort, pleasure or welfare of soldier and sailor guests. One of its first tasks is to secure the opening of at least one soldiers' and sailors' club, where men in uniform can lounge, read or write, play games, obtain soft drinks, dancing, bathing and shaving facilities, etc.

It is not a far step from such a club, which is really a center for social and recreational life of soldiers and their friends, to the similar social and recreational center for all the people in the community. Some of these clubs have indeed turned out to be in fact community centers. When the camp is at a distance from the nearest city these clubs may be like the Community House at Camp Sherman, Chillicothe, Ohio. This has an immense central lounging room, while in one wing is a restaurant and in another wing a theatre with audi-

torium and stage. There are also the usual administrative offices, cigar stand, news stand, kitchens, etc. To this center come most of the relatives and friends who wish to meet soldiers in the camp. Incidentally, it may be added that a number of dormitory buildings adjoin the main Community House. The rooms in these are rented to visiting friends of the men in camp who desire to stay more than a single day.

A Community House which is more typical of what will doubtless come after the war is that at Manhattan, Kansas. Here a brick building was erected through the joint efforts of War Camp Community Service, the district Rotary Clubs, which contributed \$16,000 to building and furnishings, and the city, which, though only 7,500 in population, bonded itself for fifteen or twenty thousand dollars to complete the necessary funds. This building will be used primarily as a soldiers' club during the balance of the war period and will be run by the War Camp Community Service organization. When peace comes, it will revert to the city of Manhattan and will be used exclusively as a community center. Already a great many community social functions and semi-public meetings are being held there. It has been called appropriately "Club House of Democracy." It is, indeed, a common meeting-place for all the residents of the city.

As a type of memorial peculiarly valuable to a city, though built before the war, the Community House at La Jolla, near San Diego, California, might well be duplicated with profit in many places. Erected at a cost of \$42,000 in the Spanish Renaissance style typical of Southern California, this building contains a little theatre seating 350 people for meetings, with a stage suitable for real dramatic productions, among which were recently included "The Doll's House" and similar plays. There are also facilities for almost every activity of the community, including library, reading rooms, billiard rooms, showers and lockers for both men and women, kitchen and dining room, club rooms, dressings rooms and first aid rooms. Adjoining the building is a completely equipped playground, which cost \$32,000 equipped, containing an outdoor gymnasium for boys and one for girls, slides, swings, wading pools, ball courts, baseball diamond, tennis courts, etc., the latter of which are used for dancing two nights a week with an average attendance during war times of 500 couples.

War Camp Community Service has stimulated several other communities to start building similar centers, and the idea is spreading throughout the country. In any case, it is certain that scores,



if not hundreds, of such buildings will be erected in the years immediately following the war. It seems, indeed, that hereafter no city planning scheme will be complete without provision for such a social center.

The proposed perpetuation in enduring form of the Liberty Temple in Portland, Oregon, and of similar buildings, seems possibly more appropriate than any other of the memorial suggestions offered. The Liberty Loan organizations in every city of the country have perfected such marvelously successful working committees, the women's committees for War Savings Stamps drives and the other groups working for community camp service, etc., have built up something that is infinitely precious, something we cannot afford to allow to become disorganized and which is now just as necessary for the successful development of the home community in peace times.

What could be more useful, more permanently valuable and at the same time more appropriately commemorative of our war sacrifices and efforts, both at home and abroad, than the building of such a permanent Liberty Temple, not only in Portland, but in other large cities? Built in enduring materials, enriched in decoration and design, with a few conveniences added, it could, at no great cost, be a permanent downtown center for all civic drives. Its open room or auditorium could easily be made also a little theatre for intimate plays, chamber music, community chorus work, civic committee meetings and the like.

Similar ideas seems to be in mind in other parts of the country. Mr. H. S. Bottenheim, editor of the "American City Magazine," recently made the following suggestions:

"The erection of mere monuments or statues in acknowledgment of the great debt which the American people owe the soldiers and sailors who are giving all they have for the cause of Democracy, would be an entirely inadequate tribute to a glorious sacrifice. To help the living while commemorating the dead is the purpose of the plan to build in every community, after the war, a neighborhood house to be known as a Liberty Building and to be used as a center of public service, fellowship and recreation for all the people, thus symbolizing the Democracy for which their fellow townsmen shall have fought.

"Now is the time to begin the work which will make this ideal a reality. There is money to be pledged, there are designs to be drawn and building sites to be secured, and organizations must be formed for the administration of the community buildings. The construction of the buildings can be made of help in

the period of labor adjustment which will follow the war. The experience of civic and commercial bodies and war service organizations during the war will be of aid in financing and administering the buildings. The enthusiasm and patriotism of all the people can find expression in connection with the making of these new homes for Democracy."

Other respected civic authorities strongly fall in with this idea, as follows:

"In my boyhood every village had its 'liberty pole' on which its flag was raised. I think those poles were set up all over this country after the Revolutionary War and were called 'liberty poles' to commemorate our independence. The name served a good purpose. The establishment of 'Liberty Buildings' as community houses throughout the country will serve a splendid social purpose, and the name is most fitting." Lawson Purdy, President, National Municipal League.

"The idea of promoting the erection all over the land of community buildings to be known by some name which will associate them with a memorial thought seems to me to be a most excellent, patriotic and timely thing now to propose. No monument, I believe, could be devised which would serve as a memorial so well, while at the same time very greatly advantaging the community spirit, the community service and the community solidarity upon which our prosecution of after-war prosperity must depend." J. Horace McFarland, President, American Civic Association.

The general adoption of this proposal would solve a problem about which some of us have worried considerably: That is, how to avoid the building of hundreds of such distressing and tenth-rate monuments as followed the Civil War. This would also provide a living memorial to each community's soldiers, which would be both dignified and useful to generations to come. This suggestion also seems to provide a method of financing the erection of Community Houses in many cities. Immense sums of money will be raised for memorials during the next few years, and it would be a blessing if this could be diverted to some constructive use.

The possibilities of such a Community House as a center of local recreational and social life, and as a focal point for all sorts of betterment projects, are unlimited. Naturally such organizations as the local Red Cross, local center of the Forum movement, the recreation and play-ground commission, the charity commission and other community associations, would have their headquarters in the building. There is no reason why there should not be some special committee of well-known people to be in

charge of the Community House, similar to the central committee which has charge of entertainment and recreation work for soldiers in hundreds of American cities now. At present these are organized by a representative of War Camp Community Service, and it is not impossible that after the war there will be a similar organization which will put trained workers in the field for community work instead of merely activities for men in uniform. This larger central committee could have sub-committees on community dances and similar social affairs. This work should be extended so that the Community House will be a center also for the arts. For instance, the office of the community sing leader should be here, and each Community House should contain a completely equipped theatre, (not the sort that architects have been putting into school houses all over the country, but with stages equipped under expert advice as to what the new arts of the theatre demand in the way of lighting, stage space, etc.). There should also be a gallery built into the Community House, in each city which is too small to have a separate art gallery. Perhaps some of the rooms which are used for social purposes could be so designed that their walls could be utilized for exhibition space. This would avoid the expense of separate exhibition rooms. To such galleries The American Federation of Arts, The Art Alliance and other organizations would gladly send three or four traveling exhibits each year. There is, indeed, no department of community interest, in social life or economics, recreation, or the arts, which could not profitably be centered at this one point. In other words, this Community House should be a clearing-house for the community life of the city.

Secretary Lane of the Department of the Interior has said that the returning soldiers must be brought back to the land and to the small community. It would seem that the only way to accomplish this is to make small-town life more attractive—to bring there something of the freer social life, the cultural life, the music, the art, the theatre productions and other features of the larger city. A Community House, democratically run, free from political or religious prejudices, and including a dance floor, a theatre and a gallery, would go far toward curing the old social and artistic stagnation in small American communities.

A member of the War Camp Community Service in New York City also writes us: "Let me add something about the ways in which this problem particularly affects the architect. It seems to me that the Community House, more

(Continued on Page 172.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Residence (alts. and add.),** 5425 Green st., Germantown. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, Albert E. Bacon, 5124 Pulaski avenue. General interior and exterior alterations and additions. Architect taking bids, due March 31st at noon. J. Sims Wilson Co., 1125 Brown street; I. A. Dunkelberger, 71 East Herman street; F. Elvidge & Son, 5522 Germantown avenue; Charles Johnson, 5701 Boyer street; Samuel Harting, 20 East Johnson street, are figuring.

**Store (alts. and add.),** 1013 Market street, Philadelphia. Architects, Hoffman Co., Finance Building, Philadelphia. Owners Milinery Co., 366 Fifth avenue, New York City. Brick, 6 stories and basement, 21x197 feet (freight and passenger elevators and machinery reserved), steam heating, electric lighting, tile, marble and terrazzo work, metal lath, hollow metal skylights, kalamcin doors, metal ceilings, iron work, cement floors. Architect taking bids, due March 28th. Wm. Steel & Sons Co., Sixteenth and Parkway; F. B. Davis, 240 North Sixteenth street; P. M. Sax, Franklin Bank Building; Wm. R. Dougherty, 1610 Sansom street; Davis & Clayton, 1817 North Twentieth street; B. Bornstein, 1510 North Franklin street, are figuring.

**Residences (2),** Fox Chase, Philadelphia. Architects, Mills & Van Kirk, Harrison Building, Philadelphia. Owner, Dr. Wm. Pratt, Fox Chase, Philadelphia. Brick, frame and stucco, 2 stories, 18x58 feet, shingle roof, stone foundations, hot water heating, electric lighting, tile work, parquetry and yellow pine floors. Owner is taking sub-bids.

**Garage,** 821 Westview street, Germantown, Philadelphia. Architect, private plans. Owner, A. M. Harrington, 821 Westview street, Germantown. Stone, 2 stories, 24x35 feet, shingle roof, stone foundations (hot water heating, electric lighting and plumbing reserved). Owner taking bids, due April 2nd. Wm. J. Gruhler Co., 219 East Hight street, Germantown, is figuring.

**Garage,** 521 North Orianna street, Philadelphia. Architect, Carl P. Berger, 1416 South Penn Square, Philadelphia. Owners, Northern Liberties Realty Co., care of architect. Stone and brick, 1 story, 78x106 feet, asphalt roof, cement floors, steam heating, electric lighting, roof ventilators, iron work. Architect taking bids, due March 31st. E. F. Bahls, 1702 North Thirteenth street; A. L. Fretz & Son, Heed Building; Hogg Const. Co., 1634 Sansom street; E. E. Hollenback, Inc., 1804 Brandywine street; Ketcham & McQuade, 1029 Brown street; E. J. Kreitzburg, 1345 Arch street; Nardi Co., Bulletin Building; D. A. McClelland, 4011 Baring street; Monaghan & Losse, Inc., 3016 Chestnut street; Charles C. Pace, Merion, Pa.; Raith Const. Co., 304 Master street; Wills-Ludwick Co., 1708 Sansom street; J. M. Yardley, 1716 Sansom street; A. Zellfelder, 151 South Broad street, are figuring.

**Bank (alts.),** Germantown and Cheltenham avenues, Philadelphia. Architect, A. H. Brockie, 1713 Sansom street, Philadelphia. Owners, Germantown Trust Co., on premises. General interior alterations. Plans in progress.

**Dairy Restaurant (alts. and add.),** 422 S. Fifth street, Philadelphia. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner, Louis Jacoby, on premises. General alterations, side addition, 5x50 feet, tile and marble work, metal ceilings. Plans completed. Bids will be taken in a few days.

**Store (alts. and add.),** Tenth and Green sts., Philadelphia. Architect, Fred N. Greisler, Lafayette Building, Philadelphia. Owner, H. Medvine, on premises. Brick, 18x50 feet, hot water heating, electric lighting, metal ceilings. Plans completed.

**Residences (3),** Twelfth and Loudon streets, Philadelphia. Architect, private plans. Owner, Wm. B. Erb, care of contractor. Brick, 2 stories, 45x14 feet, steam heating, electric lighting, hardwood floors, slag roof. Edw. Fay & Son, 2 South Mole street, are taking sub-bids.

**Bakery Building,** Third and Washington avenue, Philadelphia. Architect, Reuben Beard, Commonwealth Building, Philadelphia. Owner, Philip Ginsberg, 1028 South Third street, Philadelphia. Brick, 2 stories, 50x50 feet, slag roof, cement floors, stone foundations, hot water heating, electric light, tile and marble work, metal lath, patent ovens, kalamcin sash, electric elevator, structural steel, flush bulks. Architect has received bids.

**Garage,** Germantown avenue and Mermaid Lane, Philadelphia. Architect, H. G. Hammer, 808 North Seventeenth street, Philadelphia. Owner, Adam Lotz, on premises. Stone, 1 story, 34x80 feet, slag roof, stone foundations, cement floors, electric lighting, plumbing, rolling steel shutters (heating reserved). Plans completed. Owner is ready for bids.

**Store (alts.),** 5713 Germantown avenue, Philadelphia. Architect, H. G. Hammer, 808 North Seventeenth street, Philadelphia. Owner, Charles Manzi, on premises. Brick, 3 stories, 18x90 feet, slag roof, yellow pine floors, stone foundations, steam heat, electric light, dumbwaiters, rolled steel sash and skylights, metal ceilings. Architect will build and is ready for sub-bids.

**Store (alts.),** Sixtieth and Walnut streets, Philadelphia. Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, Herman T. Miller, Sixtieth and Spruce streets, Philadelphia. Brick, 2 stories, 20x70 feet, slag roof, electric lighting and fixtures, oak floors, tile and marble work, mill work, cabinet work, flush bulks. Architect taking bids. J. P. Fallon, 449 South Sixtieth street; D. Henwood, 1509 Wood street; E. J. Kreitzburg, 1345 Arch street; Frank Lucci, 1603 Ellsworth street; A. Sonnenfeld, 287 South Sixty-third street, are figuring.

**Church,** Twenty-sixth and Tasker streets, Philadelphia. Architect, Charles F. Schaefer,

Penfield Building, Philadelphia. Owners, St. Aloysius R. C. Church, care of Rev. B. Phillips, on premises. Brick and stone, 1 story, 50x123 feet, slate roof. Plans in progress. Too early for details.

**Public Garage,** West Philadelphia, \$15,000. Architect, J. E. Fieldstein, Penfield Building, Philadelphia. Owner's name withheld. Brick, 1 story, 100x125 feet, slag roof, cement floors. Plans in progress.

**Stores and Residences (8) (alts.),** 427-35 South Sixtieth street, \$6,000 each. Architect, J. E. Fieldstein, Penfield Building, Philadelphia. Owner's name withheld. Brick, 2 stories, 18x55 feet, slag roof, electric lighting, general alterations. Will be ready for bids in a week.

**Piers (2),** Wolf and Porter streets, Delaware River, Philadelphia. Architect, private plans. Owners, City of Philadelphia, Department of Wharves, Docks and Ferries, care of George S. Webster, Director, Bourse Building, Philadelphia. Substructure, concrete, steel reinforced. Pier No. 82, 800x300 feet, vitrified block and asphalt block, ornamental iron work. Owners taking bids, due March 27th at noon. Wm. Steele & Sons Co., Sixteenth and Parkway, are figuring.

**Dwellings (16),** Seventh to Eighth and Rockland streets, \$61,300. Architect, private plans. Owner, Charles G. Emery, 4159 North Ninth street, Philadelphia. Brick (12), 3 stories, 16x30 feet, 13x12 feet, slag roof, hot water heating, (3) 3 stories, 16x43 feet, slag roof, hot water heating, (1) 3 stories, 16x10 feet, 16x33 feet, 22x10 feet, slag roof, hot water heating, electric lighting. Owners will build.

**Dwellings (31),** Ninth and Rockland streets, Philadelphia, \$124,000. Architect, private plans. Owners, Wm. Fishers' Sons, Hutchinson and Ruscomb streets. Brick, 2 stories, (2) 16x49 feet, (29) 15 feet 9 inchesx37 feet, 12x12 feet, slag roof, hot water heating, electric lighting. Owners will build.

**Store Building (alts.),** 931-37 Market street, Philadelphia. Architect, H. B. Weldon, 10 South Eighteenth street, Philadelphia. Owners, S. S. Kresge Co., 50 Union Square, New York City. General interior alterations, terrazzo floors, elevators, plastering, wire glass partitions, flush bulks, electric lighting, heating extension, skylights, roof ventilators. Plans in progress. Will be ready for bids in a month.

**Fire Station,** Q. M. Interior Depot, Twenty-second and Oregon avenue. Architect, private plans. Owners, Construction Division, War Department, Washington, D.C. Hollow tile and stucco, 2 stories, 27 feet 4 inchesx27 feet 4 inches, ready roof, concrete foundations, steam heating, electric lighting, metal lath, roof ventilators, dampproofing. Owners, care of Capt. W. C. Holleyman, Jr., Twenty-second and Oregon avenue, have received bids.

**Hall,** 807-09 North Third street, Philadelphia. Architect, M. George Marian, Fourth



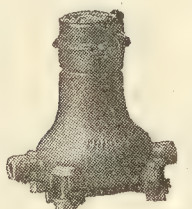
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and Brown streets, Philadelphia. Owners, Tanatiana Roumanian Beneficial Society, care of architect. Brick, 2 stories, 30x80 feet, slag roof, stone foundations, yellow pine floors, combination lighting, mill work. Architect has received bids.

**Grading, Paving and Repaving**, City of Philadelphia. Owners, City of Philadelphia, Bureau of Surveys, Department of Public Works, care of George E. Datesman, Director, Room 416, City Hall, Philadelphia. Grading, paving and repaving. Tulip and Emerald streets, between Lehigh avenue and Somerset streets. Owners taking bids, due April 2nd.

**Caretaker's Lodge House**, Bartram Gardens, Fifty-second and Botanic avenue. Architect, Joseph A. Roletter, City Hall, Philadelphia. Owners, Bureau of City Property, Room 216, City Hall. Brick and stone, 2 stories, 28x26½ feet, slate roof, hot air heating, hollow tile. Lowest bidders, Robbins Const. Co., Lafayette Building, Philadelphia, 4,964.

**Garage**, 211 South Thirteenth street, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Louis Wenger, 1229 Walnut street, Philadelphia. Brick, stone and concrete. Details not decided. Sketches will be drawn.

**Hospital Building**, Seventh and Delancey streets, Philadelphia. Architect, C. A. Zeigler, Bailey Building, Philadelphia. Owners' Babies' Hospital of Philadelphia, care of Mr. Davidson, 1713 Walnut street. One additional story to proposed building, on which bids have been received. Architect has received bids.

**Residence (alt. and add.)**, 745 Northeast Boulevard, Philadelphia. Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, name withheld. Brick, 2 stories, 14x26 feet, rear addition, slag roof, hot water heating, electric lighting, oak floors. Ready for bids in a few days.

**Factory**, Salmon street and Lehigh avenue, Philadelphia. Architect, Herman H. Kline, 536 Mifflin street, Philadelphia. Owners, William Cummings & Co., 1615 North Second street, Philadelphia. Brick, 1 story, 48x103 feet, slag roof, steam heating, electric lighting, rolled steel sash, hollow metal skylights, plank floors. Architect and owner will be ready for bids in a week.

**Garage**, 4350-52 Griscom street, Philadelphia, \$6,000. Architect, private plans. Owner, H. S. Swope, on premises. Brick, 1 story,

30x67 feet and 20x100 feet, slag roof, electric light, cement floors. Owner will build.

**Store and Dwelling (1) and Dwellings (40)**, Twenty-ninth, Norris and Sedgley avenue, Philadelphia, \$120,800. Architect, private plans. Owner, George A. Nahm, 2736 West Girard avenue, Philadelphia. Brick, 2 stories, (21) 15x26 feet, 12x11 feet, (1) 15x45½ feet, 21x27½ feet, 15x38 feet, 16x38 feet, (2) 15x32 feet, 12x11½ feet, 16x36 feet, (13) 15x27 feet, 12x11 feet, slag roof, hot water heating, electric lighting. Owner will build and is ready for sub-bids.

**Dwellings (4)**, 307-13 Rockland street, Philadelphia, \$12,000. Architect, private plans. Owner, Carl Metz, 315 West Rockland street, Philadelphia. Brick, 2 stories, slag roof, hot water heating, electric lighting, stone foundations. Owner will build.

**Fire Escapes**, 2111-17 Chestnut street, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, name withheld. Brick work, cut stone work, woodwork, fireproof and kalamein doors, painting. Architects taking bids due March 29th. H. E. Baton, 1713 Sansom street; J. Morris Daniels, 252 South Juniper street; Frank Stewart, 1619 Sansom street, and Smith-Hardican Co., 1606 Cherry street, are figuring.

**Bank Building (alts. and add.)**, Broad and Columbia avenue, Philadelphia. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owner, Tenth National Bank of Philadelphia, on premises. Stone and brick. Architect elected. Plans in progress.

**Residences (16)**, West Philadelphia. Archi-

tect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Alex. Ferguson, 5501 Willows avenue. Brick and stucco, 2 stories, (1) 17 feet 10 inches x48 feet, (1) 23x31 feet, (4) 16x46 feet, slag and slate roof, oak floors, stone foundation, hot water heating, combination lighting, tile and marble work. Plans in progress. Ready for bids in a week.

**Residences (27)**, Sixty-second and Lebanon avenue, West Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner Calvin W. Rogers, northeast corner Forty-ninth and Locust streets, Philadelphia. Stone, 2 stories, garages in basements, stone foundations, 16x45 feet, slag and tin roof, oak and cement floors, hot water heating, electric lighting, tile and marble work. Owner will be ready for sub-bids in a week.

**Store and Apartments**, Cheltenham avenue, Germantown. Architect, Benjamin R. Stevens, 1737 Filbert street, Philadelphia. Owner, M. B. Kohn, 22 West Cheltenham avenue, Germantown. Brick, terra cotta front, granite base, 3 stories, tin roof, (2) apartments, maple, oak and composition floors, stone foundations, electric lighting, tile work. Plans about completed. Will be ready for bids in about one week.

**Residences (4 twih)**, Fox Chase, Philadelphia. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, W. E. Strock, 7353 Second street pike, Philadelphia. Stone, frame and stucco, 2½ stories, flexatile roof, yellow pine floors, stone foundations, hot water heating, electric lighting, tile work. Owner is taking sub-bids.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Drill Shed**, Thirty-second to Thirty-third and Lancaster avenue, Philadelphia, \$215,000. Architect, Philip H. Johnson, Presser Building, Philadelphia. Owners, Armory Board of Pennsylvania, Adjutant General's Office, Harrisburg, Pa. Brick, concrete and steel, limestone and granite, 282x154 feet, slag and carey roof, wood block, tank bark, granolithic and

cork brick floors, hollow tile, marble and terrazzo work, rolled steel sash and skylights, hollow steel doors and frames, waterproofing, iron stairs, ornamental iron work (steam heating, electric light, plumbing separate bids), 1 electric elevator. Contract awarded to Geo. F. Pawling Co., 1432 South Penn Square.

**Residence**, northwest corner of Second and

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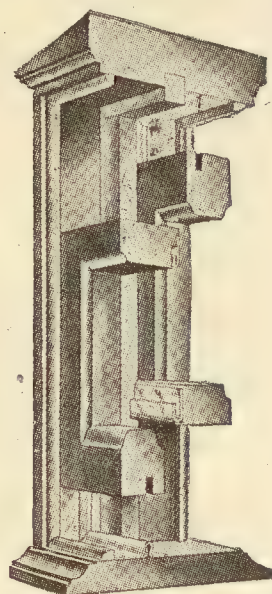


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Willow streets, Philadelphia, \$5,000. Architect, Herman H. Kline, 536 Mifflin street, Philadelphia. Owner, M. Zinman, northeast corner of Second and Green streets, Philadelphia. Brick, 2 stories, 20x71 feet, slag roof, hot air heating. Owner will build.

**Foundry (add.)**, 907 North Hancock street, Philadelphia, \$3,000. Owner, Emil D. Avas, 705 North Hancock street, Philadelphia. Architect, private plans. Brick, second story addition, 20x30 feet, slag roof. Contract awarded to Louis Swardloff, 228 South Fifty-ninth street, Philadelphia.

**Cold Storage Rooms and Smoke Houses (add.)**, 4142 Germantown avenue, \$90,000. Architect, C. D. Comstock, 110 West Fortieth street, New York City. Owners, John J. Felin Co., Inc., on premises. Brick, reinforced concrete, steel, fireproof, 2 stories and mezzanine, tile and cement floors, composition roof, 39x87 feet, hollow tile, metal lath, safety treads, roof ventilators, metal ceilings, waterproofing, concrete foundations, slate roof, rolled steel sash, fire doors, hollow metal and rolling steel doors, iron stairs, ornamental iron work, wire work, waterproofing (plumbing, heating, electrical work and elevator reserved). Contract awarded to H. E. Baton, 1713 Sansom street, Philadelphia.

**Bath House (add.)**, 979-81 North Seventh street, \$15,000. Architect, Reuben Beard, Commonwealth Building, Philadelphia. Owner, Samuel Bershad, 975 North Seventh street, Philadelphia. Brick, 2 stories, 36x88 feet, slag roof, tile work, waterproofing, electric lighting. Contract awarded to G. J. Reich, 1124 Loudon street, Philadelphia.

**Store (alts.)**, 1207 Chestnut street, \$10,000. Architect, private plans. Owners, Oppenheim Collins Co., on premises. Hollow tile, metal



## Lumber Questions.

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lath, enclosing elevator shaft, 6x9 feet, elevator. Contract awarded to Standard Const. Co., 1713 Sansom street.

**Dwellings (58)**, Eighth street, Ninth street, north of Wyoming avenue and Courtland st., northwest corner of Ninth and Courtland sts., northwest corner of Eighth and Wyoming avenue, southwest corner of Eighth and Loudon streets, \$177,000. Architect, private plans. Owner, Daniel Crawford, Jr., 701 North Sixty-third street, Philadelphia. Brick, 2 stories, (55) 16x35 feet, 13x17 feet, (2) 17½x50 feet, (1) 17½x52 feet, slag roof, hot water heating, electric lighting, yellow pine and oak floors, tile work. Owner will build.

**Residence**, Coulter street, west of Fox st., Germantown, \$8,000. Architect, private plans. Owner, J. Martin Lester, 84 West Johnson street, Germantown. Brick, 3 stories, slate roof, hot water heating, electric lighting, tile and marble work, iron work. Owner will build.

**Store and Dwelling (add.)**, 2224 South Seventh street, \$2,200. Architect, private plans. Owner, Samuel Goodman, on premises. Brick, two-story rear addition, 12½x14 feet, slag roof. Contract awarded to David Goldman, 740 Morris street.

**Theatre (alts.)**, 1214 Market street, Philadelphia. Architect, Paul J. Henon, 10 South Eighteenth street, Philadelphia. Owners, Palace Theatre, Advanced Amusement Co., care of architect. Steam heating, electric lighting, concrete floors, metal lath, cabinet work, paint-

ing, plumbing, decorating. Contract awarded to Daniel T. Henon, 5324 Cedar avenue, Philadelphia.

**Residence and Garage**, Wissahickon avenue and Kitchen Lane. Architect, Robert R. McGoodwin, 1422 Walnut street, Philadelphia. Owner, Alfred Wolstenholme, 322 Manheim street, Germantown. Stone and brick, 3 stories, 106x43 feet, 1 story, 26x22 feet, shingle and tin roof, cement and oak floors, metal lath, hot water heating, tile work, stone foundations (hardware, lighting and mantels reserved). Contract awarded to Wolverton & Co., 28 East Willow Grove avenue.

**Store and Storage Building (alts. and add.)**, 818 North Broad street, \$2,950. Architect, private plans. Owners, Hartford Realty Co., 859 North Broad street, Philadelphia. Brick front addition, 1 story, 20x20 feet, rear addition, 1 story, 4x30 feet, removing third and fourth floors front, second and third floors rear. Contract awarded to H. R. Rust, 19 South Eighth street, Philadelphia.

**Garage (alts.)**, southeast corner of Womrath and Kensington avenue, \$4,000. Architect, private plans. Owners, Myers & Morris, G and Tioga streets, Philadelphia. Changing building to garage, bulk windows, slag roof, cement floors. Contract awarded to A. L. Barnes & Co., Twentieth and Pacific streets.

**Hospital (alts. and add.)**, 2017 North Twenty-second street, \$3,500. Architect, private plans. Owners, Northwestern General Hos-

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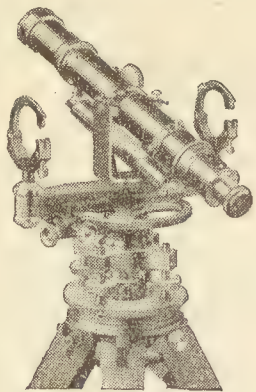
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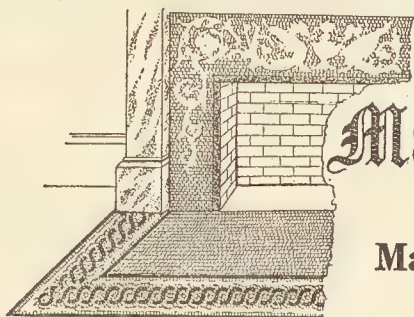
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pital, 2019 North Twenty-second street. Second story addition, 15x30 feet, brick, slag roof, elevator shaft. Contract awarded to Paulson & Jones, 6829 Woodland avenue.

**Factory**, 1106 Montgomery avenue, Philadelphia, \$3,000. Architect, private plans. Owner, Roig & Langsdorf, 315 North Seventh street, Philadelphia. Steel strengthening of floors. Contract awarded to J. Sims Wilson Co., 1125 Brown street.

**Garage**, 16 East Wister street, Philadelphia, \$6,000. Architect, private plans. Owner, Dracap Brothers, Germantown. Brick, 1 story, 36x113 feet, slag roof, cement floor. Contract

awarded to James Dracap, 41 East Wister street.

**Warehouse (alts.)**, 2229-31 North Seventh street, \$5,000. Architect, private plans. Owner, P. Oliver Derr, Seventh and Dauphin streets. Reinforcing floor with beams and columns. Contract awarded to William F. Koelle & Co., Twenty-sixth and Oxford streets.

**Foundry (alt. and add.)**, 1611-13-15 North Front street, Philadelphia, \$4,000. Owner, Lloyd Garrett Co., 229 North Twenty-third street, Philadelphia. Brick, 2 stories, 20x42 feet, slag roof. Contract awarded to Mitchell Brothers, 2125 Race street, Philadelphia.

## PENNSYLVANIA Construction News

**Club House**, West Chester Pike, Manoa, Pa. Architect, Geo. I. Lovatt, 420 Walnut street, Philadelphia. Owners, Llanerch Country Club, care of Thomas M. Fitzgerald, president, Llanerch, Pa. Stone, 3 stories, 77x51 feet, composition and asbestos shingle roof, cement, North Carolina pine floors, tile and terrazzo work (plumbing, heating and electric work reserved). Architect taking bids, due March 31st at noon. H. E. Baton, 1713 Sansom street; Chas. McCaul Co., 1619 Sansom street; Metzger & Fisher, Otis Building; John M. Yardley, 1716 Sansom street; Wm. R. Dougherty, 1610 Sansom street; Samuel Harting, 20 East Johnson street, Philadelphia; Milton W. Young, Overbrook, Philadelphia, are figuring.

**Bungalow**, Valley Forge, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Wm. J. Clothier, 131 South Fourth street, Philadelphia. Frame and stucco, 1 story, 41x28 feet, shingle roof, stone foundations, hot air or pipeless heater, yellow pine floors. Architects taking bids, due March 27th at noon. Stacy Reeves & Sons, 2011 Market

street; H. H. Burrell, 208 South Quince street; J. D. Lingle, Wayne, Pa., are figuring.

**Residence and Garage**, Haverford, Pa. Architects, Seeburger & Rabenold, Pennsylvania Building, Philadelphia. Owner, Frederick T. Chandler, Jr., 1338 Chestnut street. Stone, 2½ stories. Plans in progress. Architect will take bids in one week.

**Residence and Garage**, Springfield, Pa. Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner's name withheld. Hollow tile and stucco, 2½ stories, 28x53 feet and 1 story, 12x20 feet, shingle roof, stone foundations, hot water heating, electric lighting, tile work, oak floors. Plans in progress.

**Residence, Garage and Greenhouse**, St. Davids, Pa. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building, Philadelphia. Owner's name withheld. Hollow tile and plaster, 2½ stories, 70x36 feet, 1½ stories, 20x30 feet, shingle roof, stone foundations, hot water heating, electric lighting, tile work, oak and cement floors. Architects taking bids, due March 31st. Milton W. Young, Overbrook,

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Philadelphia; Chas. C. Pace, Merion, Pa.; Specht & Sperry, Heed Building; J. D. Lingle, Wayne, Pa., are figuring.

**Garage and Coachman's Cottage**, Drexel Hill, Pa., \$7,000. Architect, F. G. Caldwell, Stephen Girard Building, Philadelphia. Owner, F. B. Snyder, 315 Chestnut street, Philadelphia. Terra cotta, 2 stories, 36x23 feet, slate roof, stone foundations (hot water heating reserved), cement floors. Plans completed. Ready for bids.

**Passenger Railway**, Frankford to Bustleton, Pa. Architect, private plans. Owners, City of Philadelphia, Department of City Transit, Mershon Building. Grading, laying of track, 504 feet steel viaduct, 15,900 linear feet of girder rail type individual track, 32,200 linear feet of T rail individual track, granite block paving. Owners taking bids, due April 8th at noon. Deposit of \$10 required, refunded upon return of plans.

**Gateway and Private Road**, West Chester, Pa. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner's name withheld. Stone, 20 feet wide, 10 feet high. Architect taking bids. Johnson Co., Wayne, Pa.; McCormick, West Chester, Pa.; Reiley, West Chester, Pa.; Farrell, West Chester, Pa., are figuring.

**Residence (alts.)**, 4 miles from Reading, Pa., \$6,000. Architect, W. A. Fink, 426 Franklin street, Reading, Pa. Owner, Wm. G. Baer, Alechert avenue, Reading, Pa. Stone, 2 stories, gambrel roof, hot water heating, hardwood floors, electric lighting, tile work. Preliminary plans in progress.

**Bank (alts. and add.)**, Leesport, Pa. Architect, A. A. Richter, Sixth and Court streets, Reading, Pa. Owners, First National Bank, Leesport, Pa. Brick and terra cotta, 2 stories, 15x40 feet, composition roof, maple floors, vapor heating, electric lighting, interior alterations, metal window guards, bank fixtures. Preliminary plans in progress.

**School**, Boyertown, Pa., \$25,000. Architect, E. F. Scholl, 136 Roberson street, Reading, Pa. Owners, Boyertown School District, Boyertown, Pa. Brick, 2 stories and basement, 140x80 feet, composition roof, gumwood floors, elec-



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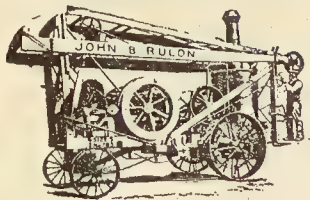
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tric lighting, roof ventilators. Architect taking bids, due April 16th. Wm. Wiand, Pottstown, Pa.; Beard Const. Co., Reading, Pa.; Wm. Hampton, Pottstown, Pa., are figuring.

**Factory (add.)**, North Eighth street, Reading, Pa. Architect, Leo L. Gerhard, 619 Penn street, Reading, Pa. Owner, W. H. Luden, North Eighth street, Reading, Pa. Brick, mill construction, 4 stories and basement, 99x156 feet, composition roof, stone foundations, electric lighting, maple floors, 1 elevator, roof ventilator, waterproofing. Plans in progress. Architect is taking sub-bids.

**Store and Business Building (alts. and add.)**, 719 Penn street, Reading, Pa. Architect, E. Z. Scholl, 136 Robinson street, Reading, Pa. Owner, Wm. M. Swartz, Penn street, Reading, Pa. Brick, 4 stories, 33x175 feet, metal front, plate glass, composition roof, steam heating, electric lighting, tile and marble work, hollow metal skylights, store fixtures, renovation of two lower floors. Owners will take sub-bids April 1st.

**Hotel (alts.)**, location withheld, \$60,000. Architect, E. Z. Scholl, 136 Robison street, Reading, Pa. Owner's name withheld. Brick, interior and exterior alterations and additions. Preliminary plans in progress.

**Residences (2)**, Reading, Pa., \$25,000. Architect, E. Z. Scholl, 136 Robinson street, Reading, Pa. Owner's name withheld. Sketches being drawn. Too early for details.

**Grade School (Annex)**, Fifteenth, between Allen and Liberty streets, Allentown, Pa. Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owners, Allentown School Board, Allentown, Pa. Brick, fireproof, 3 stories, 106x100 feet, slag roof, maple and tile floors, electric lighting, tile and terrazzo work, hollow metal skylights, roof ventilators, metal window guards and weather strips. Plans in progress. Bids in two weeks.

**Residence**, Reading, Pa., \$150,000. Architect, E. Z. Scholl, 136 Robeson street, Reading, Pa. Owner, W. H. Luden, 709 North Fifth street, Reading, Pa. Indiana limestone, 3 stories, irregular size. Sketches in progress. Too early for details.

**Houses (4)**, Bethlehem, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, H. A. Miller, Miller's Department Stores, Northampton, Pa. Brick and shingles, 2 stories, 6x69 feet, rubberoid roof, hardwood floors, cement foundations, pipeless heaters, electric lighting, plumbing. Plans in progress. Owner will take bids April 15th.

**Residence (add.)**, 29 South Main street, Bethlehem, Pa., \$7,000. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, Howard Schultz, on premises. Brick, 2 stories, 50x30 feet, slag roof, concrete floors, stone foundations, electric light-

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ing, general alterations. Plans in progress.

**Apartment and Office (alts.)**, 308 W. Broad street, Bethlehem, Pa., \$8,000. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, Dr. R. H. Bloss, on premises. Brick, one-story addition and 18 feet extension to third floor, slag roof, hardwood floors, electric lighting, plumbing. Plans in progress.

**Hotel**, Main street, Bethlehem, Pa., \$700,000. Architect not yet selected. Owners, Chamber of Commerce, care of Wm. Heller, Bethlehem Trust Building, Bethlehem, Pa. Brick and steel construction, 7 stories, 200 rooms, 146x190 feet, hardwood floors, tile and marble work. Competitive plans will be submitted.

**Public Garage**, East Broad street, Bethlehem, Pa. Architect, E. M. Pickin, Allentown, Pa. Owner, Mrs. Hebron, 623 Turner street, Allentown, Pa. Brick, 1 story, 35x130 feet. Plans in progress.

**Residence (alts.) to Store and 3 Apartments**, Lebanon, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Chas. Gannon, North Ninth street, Lebanon, Pa. Brick, 3 stories, composition roof, maple floors, electric lighting, new heating system. Plans in progress. J. H. Greiner, Lebanon, Pa., will take sub-bids.

**Church**, First avenue, West Bethlehem, Pa., \$40,000. Architect, E. F. Spangler, 504 Broadway, Bethlehem, Pa. Owner, Rev. C. S. Joshue, 331 South Center street, Bethlehem, Pa. Brick, 1 story and basement, 60x90 feet, stone foundations, slate roof, wood floors, steam heating, electric light. Plans in progress.

**Odd Fellows' Building**, New and Broad sts., Bethlehem, Pa. Architect, E. H. Bitting, Wilber Trust Building, Bethlehem, Pa. Owner, I. O. O. F., care of A. Barthold, 5 New street, Bethlehem, Pa. Stone and terra cotta, 4 stories, 60x100 feet, fireproof roof and floors, steam heating, electric lighting, tile and marble work, rolled steel skylights, roof ventilators, metal window frames. Plans in progress.

**Garage (add.)**, 144 East Broad street, Bethlehem, Pa., \$40,000. Architects, Ruhe & Lange, 12 North Sixth street, Allentown, Pa. Owners, National Vulcanize Tire Co., on premises. Fireproof, 4 stories, 150 feet extension. Plans in progress.

**Office (add.)**, Palmerton, Pa., \$150,000. Architects, Ruhe & Lange, 12 North Sixth street, Allentown, Pa. Owners, New Jersey Zinc Co. of Pennsylvania, Palmerton, Pa. Brick, 3 stories, hardwood floors, electric lighting, tile work, hollow metal skylights. Owners will take bids.

**Boiler House**, Ninth and Greenleaf streets, Allentown, Pa. Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owner, Geo. Garnet, Allentown, Pa. Brick, 1 story, 42x50 feet, slag roof, concrete foundations, concrete floors, electric lighting, radial brick chimney. Plans in progress. Owner will take bids.

**Factory**, West Easton, Pa. Architect, Wm. Michler, Drake Building, Easton, Pa. Owner, Kuebler Foundeius, West Easton, Pa. Concrete, 2 stories, 52x115 feet, rubberoid roof, concrete floors and foundations, steam heat, electric light, roof ventilators. Architect will take sub-bids and build.

**Garage**, Bethlehem, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, Robert G. Mohr, 19 North Linden street, Bethlehem, Pa. Brick, 1 story, 32x120 feet, slag roof, stone foundations, hot water heating, electric lighting, cement floors, gasoline storage system. Owners taking bids, due March 26th. F. Glassmire and C. Swartz, Bethlehem, Pa., are figuring.

**Garage**, Cherry and Pine streets, Easton, Pa. Architect, A. Snyder, Easton Trust Building, Easton, Pa. Owner, Fred Jones, 222 Northampton street, Easton, Pa. Brick, 1 story, 50x100 feet, slag roof, concrete foundations, steam heat, electric lighting, rolled steel sash, concrete floors, gasoline storage system. Owner taking bids.

**School**, Phillipsburg, Pa. Architect, E. H. Wenzelberger, Reeder Building, Easton, Pa. Owners, Phillipsburg School Board, Phillipsburg, Pa. Brick and stone, 2 stories, 65x67 feet, slag roof, maple floors, electric lighting, terrazzo work, roof ventilators. School Board taking bids, due April 7th.

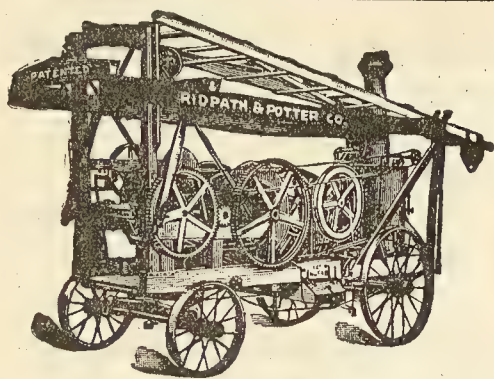
**Silk Mill**, Ninth and Greenleaf streets, Allentown, Pa. Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owner, Geo. Garnet, Allentown, Pa. Concrete basement and brick, 4 stories, 37x164 feet, slag roof, wood floors, electric lighting, metal sash, elevators, roof ventilators, silk vaults. Owner taking sub-bids.

**Garage**, West Side, Bethlehem, Pa., \$1,500. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, F. C. Knouss, 29 South Main street, Bethlehem, Pa. Brick, 1 story, 22x20 feet, concrete foundations, slate roof, cement floors, electric lighting. Owner taking sub-bids.

**Garage**, Merion, Pa. Architect, Frank Seeburger, Pennsylvania Building, Philadelphia. Owner, Frank R. Elliott, Elliott-Lewis Electrical Co., 1017 Race street. Stone. Plans in

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progress. Too early for details.

**Bank Building** (alts. and add.), Ashland, Pa. Architect, Benj. R. Stevens, 1737 Filbert street, Philadelphia. Owners, Ashland National Bank, Ashland, Pa. Brick, reinforced concrete and steel, 43x60 feet, slag roof, stone foundations, electric lighting, tile and marble work, cement, cork and reinforced concrete floors, hollow tile, metal lath, metal ceilings, iron work, wire work, kalamein sash. Owners are taking bids, due April 1st. H. E. Baton, 1713 Sansom street; Wark & Co., 1737 Filbert street; Shamokin Lumber Co., Shamokin, Pa.; Geo. Kiefer, Mt. Carmel, Pa.; Andrew Breslin, Summit Hill, Pa.; Andrew J. Fink, Reading, Pa., are figuring.

**Garage**, Wynnewood, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, Philip Cass, 213 Kent Road, Wynnewood, Pa. Frame and stucco, 1 story, 20x20 feet, shingle roof. Architect taking bids. W. O. Springer, 1624 Latimer street; Specht & Sperry, Heed Building; Wm. H. Edleman, 453 Green Lane, are figuring.

**Factory Building**, East Broad street, Tamaqua, Pa. Architect, Benj. R. Stevens, 1737 Filbert street, Philadelphia. Owner, John Mealey, care of architect. Brick and concrete, 2 stories, slag roof, cement and brick floors, electric lighting. Plans in progress. Will be ready for bids in three weeks.

**Residence**, Lancaster, Pa. Architect, Wm. C. Prichett, 421 Walnut street, Philadelphia. Owner's name withheld. Stone, 2½ stories, 50x38 feet, slate roof, oak floors, hot water heating, electric lighting, tile and marble work. Plans in progress. Will be ready for bids in three weeks.

**Road Work**, Pennsylvania. Owners, State Highway Department, Harrisburg, Pa. Lowest bidders: Adams County, Straban Township, Route 123. Length 27,520 feet, reinforced concrete pavement, M. Bennett & Sons, Indiana, Pa., \$182,229.50.

Berks County, Spring Township, Route 149. Length 8,984 feet, bituminous surface on a concrete foundation, Eastern Paving Co., Philadelphia, \$53,808.94.

Clarion County, Clarion Borough, Route 65-600. Length 1,842 feet, vitrified block pavement, J. Duncan George & Boggs, Clarion, Pa., \$27,237.75.

Clinton County, Pine Creek Township, Route 23. Length 12,636 feet, bituminous surface on a concrete foundation, Busch & Stewart, Williamsport, Pa., \$113,462.89.

Columbia County, Millville Borough, Route 239-536. Length 8,420 feet, vitrified block pavement. No bids received.

Delaware County, Clifton Heights Borough, Route 746. Length 5,745 feet, bituminous surface and vitrified block on a concrete foundation, Eastern Paving Co., Philadelphia, \$69,537.68.

Elk County, St. Mary's Borough, Route 99-415. Length 4,566 feet, vitrified block pavement, Foundation Co., New York, \$53,684.77.

Erie County, Springfield Township, Route 86. Length 8,760 feet, reinforced concrete pavement, National Highway Construction Co., Co., Erie, Pa., \$162,593.97.

Erie County, Harbor Creek and Northeast Townships, Route 87. Length 25,872 feet, reinforced concrete pavement, Griff Construction Co., Erie, Pa., \$62,593.97.

Erie County, Fairview and Girard Townships, Route 86. Length 15,327, reinforced concrete pavement, Highway Construction Co., Erie, Pa., \$99,213.21.

Fayette County, Georges, Nicholson and Springfield Townships, Route 116. Length 26,112 feet, reinforced concrete and hillside vitrified block pavement. Reagan & Lynch, Uniontown, Pa., \$242,834.94.

Greene County, Jefferson, Morgan and Franklin Township, Route 268. Length 34,259 feet, reinforced concrete and hillside vitrified block pavement, Con. Oil Tank Co., Pittsburgh, Pa., \$325,490.05.

Lancaster County, Colerain Township, Route 761. Length 5,600 feet, reinforced concrete pavement, Sauder Con. Co., Lancaster, Pa., \$40,482.50.

Lawrence County, Union and Taylor Township, App. Nos. 799-851. Length 4,906 feet, reinforced concrete pavement, Burns Bros., New Castle, Pa., \$38,800.80.

Lehigh County, Upper and Lower Macungie Townships, Route 157. Length 35,035 feet, reinforced concrete pavement, Blaisdell Con. & Eng. Cor., Brooklyn, N. Y., \$240,101.68.

Monroe County, Coolbaugh Township, Route

**Residence** (alts.), 657 Walnut street, Easton, Pa. Architect, A. Snyder, Easton Trust Building, Easton, Pa. Owner, K. R. Uhler, Easton, Pa. Changing basement to barber shop, concrete and brick porch, composition floors, steel work, plumbing, electric lighting, new kitchen addition. Contract awarded to Asa T. Smith, Easton, Pa.

**Armory** (add.), Reading, Pa. Architects, Muhlenberg Bros., 511 Penn street, Reading, Pa. Owners, Commonwealth of Pennsylvania, State Armory Board, Harrisburg. Brick and stone, 2 stories and basement, 35x66 feet, slag roof, wood floors, steam heating, electric lighting, tile and marble work. Contract awarded to A. J. Fink (Reading, Pa., \$29,400.

**Residence** (alts.), Wayne and Mixtell sts., Easton, Pa. Architect, A. Snyder, Easton Trust Building, Easton, Pa. Owner, Henry McKeen, Easton Trust Building, Easton, Pa. General interior alterations, hardwood floors,

168. Length 23,510 feet, reinforced concrete pavement, Foundation Co., New York, \$141,627.40.

Tioga County, Elkland Borough, Route 103. Length 7,824, reinforced concrete pavement, R. G. DeLong, Williamsport, Pa., \$72,815.86.

Warren County, Conewago and Broken Straw Townships, Route 88. Length 26,862 feet, reinforced concrete pavement, Edw. T. Beck, Warren, Pa., \$203,806.28.

**Incline and Alterations to Armory**, West Chester, Pa. Architect, Philip J. Johnson, 1713 Sansom street, Philadelphia. Owners, Armory Board of Pennsylvania, Adjutant General's Office, Harrisburg. Granolithic floor, vitrified block incline, brick work, concrete foundations, steel tube doors. Lowest bidder, Wm. H. Jones, West Chester, Pa., \$4,600.

**Armory** (alts.), Pottstown, Pa. Architect, private plans. Owners, Armory Board of Pennsylvania, Adjutant General's Office, Harrisburg, Pa. General alterations and repairs. Lowest bidder, F. H. Kaiser, Pottstown, Pa., \$2,651.

**House**, Brookline, Delaware County, Pa., \$6,000. Architects, Custer & Gill, Third and Market streets, Camden, N. J. Owner's name withheld. Frame, 2½ stories, 36x22 feet, shingle roof, tile and hardwood floors, hot water heating, electric lighting. Plans in progress.

tile and marble work. Contract awarded to Bechtel & Bechtel, Easton, Pa.

**Garage**, Glenside, Pa. Architects, Seeburger & Rabenold, Pennsylvania Building, Philadelphia. Owner, Geo. J. Renninger, Ogontz, Pa. Frame, 1½ stories, 20x20 feet, shingle roof, cement floors, electric lighting, stone foundations. Contract awarded to Albert Zellfelder, 151 South Broad street.

**Signal Tower**, Sunbury, Pa. Engineer, Samuel T. Wagner, Reading Terminal, Philadelphia. Owners, Philadelphia and Reading R. R. Co., Reading Terminal, Philadelphia. Brick and concrete, 2 stories, 13½x37 feet, slate roof, concrete floors, concrete foundations, hot water heating, electric lighting, fire and hollow metal doors, ornamental iron work. Contract awarded to P. B. Polhemus Co., 110 W. Thirty-fourth street, New York City.

**School**, Jackson, Mahanoy Township, Pa. Architect, Clyde S. Adams, 1509 Arch street,

## PENNSYLVANIA Contracts Awarded

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Philadelphia. Owners, School Board of Mahanoy Township, Pa. Frame, 1 story, shingle roof, warm air heating, electric lighting, yellow pine and composition floors. Contract awarded to C. W. Strayer, Lemoyne, Pa.

**Garage**, 913 North Taney street, Philadelphia, \$4,000. Architect, private plans. Owner, Estate of Peter Arnold, northwest corner of Fifth and Allegheny avenue. Brick, 2 stories, 22x90 feet and 34x32 feet, slag roof, cement floors, electric lighting. Contract awarded to Raith Const. Co., 302 Master street, Philadelphia.

**Machine Shop**, Beech street, Reading, Pa. Architect, Muhlenberg Brothers, 511 Penn street, Reading, Pa. Owner, American Die & Tool Co., Second and Buttonwood streets, Reading. Brick and frame, 1 story, 64x40 feet, composition roof, wood floors, electric lighting. Contract awarded to George Denr, Reading, Pa.

**Store and Apartments**, Lebanon, Pa. Architect, A. A. Richter, Sixth and Court streets, Reading, Pa. Owner, Charles D. Gannon, Ninth street, Reading, Pa. Brick, 3 stories, 35x80 feet, composition roof, concrete founda-

tions, vapor heating, electric lighting, maple and yellow pine floors, plate glass, steel front. Contract awarded to J. H. Greiner, Lebanon, Pa., who will take sub-bids.

**Apartment Building (alt. and add.)**, 606-08 Washington street, Reading, \$15,000. Architect, C. W. Young, 520 Washington street, Reading, Pa. Owner, Mrs. E. Schulze, 224 North Sixth street, Reading, Pa. Brick, 3 stories, addition 32x40 feet, slag roof, concrete foundations, steam heating, electric lighting, tile work, pine floors. Contract awarded to Geo. Kline, Reading, Pa.

**Garage (alts.)**, Huntingdon Valley, Pa. Architect, R. B. Okie, Crozer Building, Philadelphia. Owner, Wm. J. Justice, Jr., 300 Chestnut street, Phila. Stone, general renovation and alterations. Contract awarded to W. J. Stevens, Wyncote, Pa.

**Residence**, Reading, Pa. Architect, R. B. Okie, Crozer Building, Philadelphia. Owner, J. B. Cullum, Reading, Pa. Frame, 2½ stories, 33 feet 2 inches x 37 feet 10 inches, shingle roof, North Carolina pine floors, stone foundations, warm air heating, electric lighting. Contract awarded to Gordon Nagle, Pottsville, Pa.

## NEW JERSEY Construction News

**Residences (2)**, Municipal Colony, Trenton, N. J. Architect, William Kleman, First National Bank Building, Trenton, N. J. Owner, City of Trenton, care of L. D. Hush, City Clerk, City Hall, Trenton. Brick, 2½ stories. Work contemplated.

**Fire House**, Shiller avenue and Broad street, Trenton, N. J., \$20,000. Architect, William Slack, St. Regis Theatre Building, Trenton, N. J. Owner, Rusling Hose Co., on premises. Brick, 2 stories, 32x60 feet. Plans in progress.

**Residences (alt.)**, Burlington, N. J., \$4,000. Architect, H. A. Brown, First National Bank Building, Trenton, N. J. Owner, George W. Slack, Burlington, N. J. Frame, interior and exterior alterations, hardwood floors, new plumbing, wire work. Plans in progress. Architect ready for bids.

**School**, Grand and Arch streets, Trenton, N. J., \$85,000. Architect, R. A. Schuman, 932 Lambertson street, Trenton, N. J. Owner, Holy Cross Church, Trenton, N. J. Fireproof, brick and steel, 3 stories, 62x116 feet, stone foundations, hot air heating, electric lighting, tile work, wood floors, roof ventilators. Plans about completed.

**Wilson School**, Ninth and Florence streets, Camden, N. J. Architect, P. A. Davis, 3d, 1713 Sansom street, Philadelphia. Owner, Board of Education, care of J. W. F. Bleakly, City Hall, Camden, N. J. Brick, reinforced concrete and stone, 3 stories, 120x90 feet, composition roof, cement floors, hollow tile, metal lath, roof ventilators, iron stairs (heating, plumbing and electric work reserved). Plans about completed. Will be ready for bids in ten days.

**Residence**, Haddonfield, N. J. Architect, William C. Prichett, 421 Walnut street, Philadelphia. Owner, name withheld. Frame and timber, 2½ stories, shingle roof, oak floors, hot water heating, electric lighting, tile and marble work. Will be ready for bids in a few weeks.

**Central Office (alts.)**, Camden, N. J. Architect, J. T. Windrim, Commonwealth Building,

Philadelphia. Owner, Delaware & Atlantic Telephone & Telegraph Company, Camden, N. J. Brick and cement work, painting, plastering, electric lighting. Architect taking bids due March 31st at 3 P. M. H. B. Burrell, 208 South Quince street; F. L. Hoover & Son, 1023 Cherry street, and A. Zellfelder, 151 South Broad street, are figuring.

**Silk Mill (extension)**, Bloomsbury, N. J. Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owner, J. H. Meyer Silk Mills Co., care of William Prunaret, Northampton. Brick, 1 story, 70x80 feet, asbestos roof, maple floors, heating extension, electric lighting, skylights. Architects taking bids. M. Kratz & Son, Ochs Const. Co., Nagle Const. Co., Butz & Clader, and W. H. Gangewere & Co., Allentown, Pa., are figuring.

**Paving, Curbing and Concrete Work**, Yorkship Village, Camden, N. J. Owners, Fairview Realty Company, Administration Building, Yorkship Village. Six miles of macadam paving, 2 miles concrete street paving, 4 concrete alley paving, curbs, gutters, sidewalks with same, front and rear house walks and steps for about 1,600 houses. Owners taking bids due March 31st at 3 P. M.

**Bungalow**, Harmony road, Martine Creek, N. J. Architect, A. Snyder, Easton Trust Building, Easton, Pa. Owner, Frank Pardon, Martine Creek, N. J. Frame, 1 story, 28x56 feet, slate roof, pine floors, hot air heating, electric lighting. Architect taking bids. William Snyder and Bechtel & Bechtel, of Easton, Pa., and N. L. Newman, Phillipsburg, N. J., are figuring.

**Passenger Station**, Goshen, N. J. Architect, private plans. Owner, Philadelphia & Reading Railway Company, Reading Terminal, Phila. Frame, brick chimney, 1 story, 27 feet 4 inches x 16 feet 3 inches, slate roof, concrete foundations (heating, plumbing and electric lighting reserved). Owners taking bids due March 29th. J. Sims Wilson Co., 1125 Brown street; F. W. Van Loon, Denckla Building, and F. A. Havens & Co., 845 North Nineteenth street; W. O. Springer, 1624 Latimer street,

and William Steele & Sons Co., Sixteenth and Parkway, are figuring.

**House (add.)**, White Horse Pike, West Collingswood, N. J. Architect, T. Stephen, Temple Building, Camden, N. J. Owner, W. L. Hurley, White Horse Pike, West Collingswood, N. J. Frame, 2 stories, 10x15 feet, tin roof, electric lighting. Architect taking bids due March 27th.

**Stores, Hall and Lodge Building (alt. and add.)**, Fourth and Spruce streets, Camden. Architect, Thomas Stephen, Temple Building, Camden, N. J. Owner, Sons of Italy, on premises. Brick and stucco, 2 stories, 20x40 feet, slag roof, oak floors, stone foundations, electric lighting, tile and marble work, plate glass, roof garden, ornamental plastering. Architect will be ready for bids April 1st.

**Auto Storage Warehouse**, 415 Arch street, Camden, N. J., \$10,000. Architect, E. Sedelle, Sixth and Market streets, Camden, N. J. Owner, J. E. Heritage, 415 Arch street, Camden, N. J. Brick, 2 stories, 74½x61½ feet, rubberoid roof, concrete and wood floors, stone foundations, electric lighting, elevators. Owners taking bids due April 1st. Mockett Const. Co., Camden, N. J., is figuring.

**Garage**, Market street, Haddonfield, N. J. Architect, Thomas Stephen, Temple Building, Camden, N. J. Owner, L. E. Schlacht, Haddonfield, N. J. Frame, 2 stories, 25½x21 feet, slate roof, stone foundations, cement floors, electric lighting. J. C. Hoops, Haddonfield, N. J., will build.

**Bungalow**, Ocean City, N. J. Architect, Thomas Stephen, Temple Building, Camden, N. J. Owner, Cyrus Marter, Ocean City, N. J. Frame, 2 stories, 28x40 feet, shingle roof, pine floors, electric lighting, fireplaces. Plans in progress. Will take bids about April 1st.

**School (alts.)**, Toms River, N. J. Architect, Thomas Stephen, Temple Building, Camden, N. J. Owner, Toms River Township, care of Theo. Fischer, Toms River, N. J. New plumbing and miscellaneous repairs. Plans in progress.

**Residence**, Collingswood, N. J. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owner, name withheld. Hollow tile, 2 stories, 26x40 feet, asbestos roof, hardwood floors, concrete foundations, hot water heating, electric lighting, tile work. Plans in progress. Frank Souder, Collingswood, N. J., will take sub-bids.

## New Jersey Contracts Awarded

**Factory (add.)**, Sixth and Broadway, Camden, N. J., \$30,000. Architect, private plans. Owner, Castle Kid Co., on premises. Brick, 1 story, 30x18 feet, slag roof, stone foundations, electric lighting. Contract awarded to Mockett Const. Co., Camden, N. J.

**Office and Garage**, Bordentown, N. J. Architects, Fowler & Seaman, Broad Street National Bank, Trenton, N. J. Owner, H. D. Wells, Bordentown, N. J. Frame, 1 story, 38x40 feet, shingle roof, pine, cement floors, hot water heating, electric lighting. Contract awarded to S. Herbert, Bordentown, N. J.

**Residence**, West State street, Trenton, N. J., \$8,000. Architects, Fowler & Seaman, Broad Street National Bank Building, Trenton, N. J. Owner, name withheld. Brick, 3 stories, 18x50 feet, slate roof, stone foundation, hot water heat, electric light, tile work, hardwood floors. Contract awarded to J. H. Morris, Broad Street National Bank, Trenton, N. J.

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DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



**Residences (2)**, Cook avenue, Trenton, N. J., \$6,000. Architect, private plans. Owner, Glenwood Realty Co., Trenton, N. J. Brick, 2½ stories, 14x32 feet, slate roof, stone foundations, pine floors. Contract awarded to James Birks, 224 Ardmore avenue, Trenton, N. J.

**Theatre**, Boardwalk, Atlantic City, N. J., \$5,000. Architect, Paul J. Henon, 10 South Eighteenth street, Philadelphia. Owner, Virginia Theatre, Atlantic City, N. J. Interior alterations, painting, electric lighting, plumbing, decorating, new toilets. Contract awarded to C. B. Tilton, 6 South Virginia avenue, Atlantic City.

**Office Building**, Arch, Federal and Sixth

streets, Camden, N. J., \$20,000. Architect, Joshua C. Jefferies, 1001 Chestnut street, Philadelphia. Owner, Raymond L. Warren, 522 Market street, Camden, N. J. Brick work and glass, 2 stories, 51x19x21 feet, slag roof, steam heating, electric lighting, tile floors. Contract awarded to Mockett Const. Co., Camden, N. J.

**Primer House and Unloading Shed**, Spec. 3737, Bellevue, D. C. Architect, private plans. Owners, United States Government, Bureau of Yards and Docks, Washington, D. C. Steel and brick, 1 story, 50x100 feet, rubberoid or asbestos shingle roof. Lowest bidder, Hugh S. Roberts & Co., 1123 Broadway, New York City, \$26,500, ninety days.

ing. Plans completed. Architect will take bids in a few days.

**Dwellings (13)**, Spalding and Litchfield avenue, Baltimore, Md., \$32,000. Architect, private plans. Owner, Charles M. Wartman, 1617 North Milton avenue, Baltimore. Brick, 2 stories, 20x36 feet, tin or slag roof, hot air heating, electric lighting, skylights, ventilators, plumbing, plastering, painting. Owner will build and is taking sub-bids.

**Residence**, Willax avenue, near Belair, Md. Architect, private plans. Owner, Charles H. Beck, 509 North Luzerne avenue, Baltimore. Frame, 2½ stories, 44x25 feet, slate roof, hot water or hot air heat, electric lighting, plastering, painting, plumbing. Owner is taking sub-bids.

**Bank**, Glenburnie, Md., \$12,000. Architect, Robert L. Harris, Baltimore, Md. Owner, Glenburnie Bank, care of Eastern Shore Trust Company, P. Morgan, cashier, Glenburnie, Md. Brick, steel and stucco, 3 stories, 30x30 feet, slag roof, steam heating, electric lighting, fire escapes, hollow metal skylights, roof ventilators, fireproofing, hollow tile, plastering, plumbing, tile, slate and terrazzo work. Revised plans about completed. Will be ready for bids in a few days.

**Business Block**, Dundalk, Md. Architect, Edward L. Palmer, 513 North Charles street, Baltimore. Owner, Loberty Housing Co., 330 North Charles street, Baltimore. Brick, 2 stories, 200x400 feet, stone trim, slate roof, steam heating, electric lighting, ornamental iron work, fire escapes, steel sash, metal doors, skylights, ventilators, reinforced concrete, fireproofing, dampproofing, hollow tile, metal lath, tile, slate and terrazzo work, dumb waiters, refrigerators. Revised plans in progress.

**Garages (55)**, Thirty-fifth street, near Greenmount avenue, Baltimore, Md., \$12,000. Architect, private plans. Owner, Thomas Muller, 4001 Greenmount avenue, Baltimore. Brick, 1 story, slag or composition roof, electric lighting, cement floors. Owner will build.

**Garage**, Butchers Lane, Franklin and Calverton streets, Baltimore, Md. Architect, Fred J. Beall, 1335 North Gilmor street, Baltimore. Owner, James M. Curran, 501 North Pulaski street, Baltimore. Brick, mill construction, 1 story, 208x286 feet, slag roof, cement floors, steam heating, electric lighting, hollow metal skylights, ventilators, plumbing, slate and terrazzo work. Owner will take sub-bids.

**Warehouse**, Baltimore, Md., \$5,000. Architect, private plans. Owner, Fritz Leuba, 123 West Barre street, Baltimore, Md. Steel and concrete, 4 stories, 25x114 feet, slag roof, electric lighting. Owner will build.

**Dwellings (11)**, 3001-21 Pihladelphia avenue, Baltimore, Md. Architect, private plans. Owner, Joseph F. Hirt & Co., 829 North Luzerne avenue, Baltimore. Brick, 2 stories, (2) 14x50 feet, (9) 13 feet 10 inches x48 feet, slag roof, yellow pine floors, hot air heating, electric light. Owner will build.

**Residence**, Hurlock, Md. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, S. O'Neil, Hurlock, Md. Stucco, 2½ stories, 35x40 feet, slate roof, vapor heating, electric lighting, tile work, hardwood floors, hollow tile. Owner is now taking bids.

## DELAWARE

# Construction News

**Storage and Warehouse**, Fifth and Walnut streets, Wilmington, Del. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner, Retail Grocers' Exchange, Fifth and Walnut streets, Wilmington. Fireproof, brick, stone and concrete, 4 stories, slag roof, electric lighting, elevators. Architect taking bids due March 24th. Stewart & Willey, Claymont, Del.; H. D. Haddock & Co., and J. E. Healey & Son, both of Wilmington, Del., and Concrete Const. Co., 1618 Thompson street, Philadelphia, are figuring.

**Apartment**, Seventh and Washington streets, Wilmington, Del. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner, Gidel Podolasky, 824 Jefferson street, Wilmington, Del. Brick, 3 stories, slag roof, stone foundations, electric lighting, hardwood floors, electric lighting, tile and marble work. Plans in progress.

**Residence**, Eighth and Rodney streets, Wilmington, Del. Architect, E. L. Rice, 815 Market street, Wilmington, Del. Owner, name withheld. Brick and stucco, 2 stories, 27x40 feet, asbestos roof, hardwood floors, electric lighting. Plans in progress.

**Store (alt. and add.)**, 417 Market street, Wilmington, Del. Owner, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner, P. Stein, 417 Market street, Wilmington, Del. Interior alterations. Plans in progress.

**Laundry**, Reybold, Del. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, St. James Protectory, Reybold, Del. Brick, 2 stories, 30x40 feet, tin roof, stone foundations, wood floors. Sketches in progress.

**Bank (alt.)**, Delaware. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. New building to replace walls. Sketches being drawn.

**Church**, Concord avenue and Market street, Wilmington, Del., \$150,000. Architect, not

yet selected. Owner, St. John's Episcopal Church, on premises. Additions to church, will include Sunday School, parish house, chancel and remodeling of church. Work contemplated.

**Elks Home**, Wilmington, Del., \$150,000. Owners, P. B. O. of E., 831 Market street, Wilmington, Del. Architect not yet selected. Work contemplated.

**Residence**, Kennett Pike, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. Brick, 2½ stories, 42x28 feet, wing 27x20 feet, slate roof, stone foundations, hot water heating, electric lighting, tile and marble work, hardwood floors. Plans in progress. Architect will take bids about April 6th.

**Garage**, Kennett Pike, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Brick, 2½ stories, 24x30 feet, slate roof, stone foundations, electric lighting, cement floors. Plans in progress.

**Sawing and Lumber Mill**, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, J. Stewart, care of architect. Frame, 1 story, roof ventilators. Sketches drawn. Too early for details.

**Residence**, 708 Rodney street, Wilmington, Del. Owner, Mrs. H. P. Turner, Wilmington, Del. Architect, E. L. Rice, 815 Market street, Wilmington, Del. Brick, 2 stories, 27x41 feet, asbestos roof, stone foundations, hot water heating, electric lighting, marble work, pine floors. Contract awarded to Charles Dougherty 2515 West Eighteenth street, Wilmington.

**Church**, Concord avenue and Market street, Wilmington, Del. Architects, Zantzinger, Boric & Medary, Otis Building, Philadelphia. Owners, St. John's Protestant Episcopal Church, on premises. Additions to church, including Sunday School, parish house, chancel and remodeling of church. Owners are taking approximate bid from M. D. Maddock & Co., 804 Orange street, Wilmington, Del.

## MARYLAND

# Construction News

**Shed**, Barre and Hanover streets, Baltimore, Md. Architect, John Freund, 16 East Biddle street, Baltimore. Owner, City Baking Co.,

Equitable Building, Baltimore, Md. Brick, 1 story, 40x140 feet, slag roof, cement floors, electric lighting, galvanized iron work, paint-

**Residence (add. and alt.)**, 22 Talbot road, Windsor Hills, Md. Architect, Wyatt & Nolt-ing, Keyser Building, Baltimore. Owner, Jul-

## Maryland

### Contracts Awarded

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ian S. Stein, 217 East Baltimore street, Baltimore. Frame and stucco, electric lighting, plastering, painting, plumbing, heating, tile and terrazzo work, hardwood floors. Contract awarded to W. E. Turner, 15 East Fayette street, Baltimore.

**Restaurant (alts.),** 113-15 West Fayette street, Baltimore. Architects, Smith & May, Calvert Building, Baltimore. Owners, Celestial Restaurant, care of Lee Shue, on premises. Interior alterations, new bulks, electric lighting, skylights, ventilators, plate glass, electric lighting, hollow tile and stucco, tile, marble and terrazzo work, hardwood floors, dumb waiters. Contract awarded to Consolidated Eng. Co., Calvert Building, Baltimore.

**Building (alts.),** 9-11 North Howard street, Baltimore, Md. Architect, Joseph Evans Sperry, Calvert Building, Baltimore. Owner, Oxford Realty Co., care of Julius Mintz, Equitable Building, Baltimore. General interior alterations. Contract awarded to John Marshall & Son, 121 Mercer street, Baltimore.

**Dwelling,** Guilford, Md. Architect, Edward L. Palmer, Jr., 513 North Charles street, Baltimore. Owner, Dr. E. P. Carter, 4219 Greenway avenue, Guilford, Baltimore. Brick, 2½ stories, 30x45 feet, slate roof, metal lath, tile work, hardwood floors, vacuum cleaning system, refrigerators, hollow tile and stucco, plastering, painting, plumbing. Contract awarded to G. Walter Tovell, 401 McCulloh street, Baltimore.

**Residence and Garage,** Woodlawn, Md. Architect, Clyde N. Fritz, Munsey Building, Baltimore. Owner, C. H. Anderson, on premises. Stone, brick and stucco, 2½ stories, slate roof, hot water heating, electric lighting, hollow metal ventilators, plastering, tile and terrazzo work, hardwood floors. Contract awarded to John F. Kunkel, 29 South Linwood avenue, Baltimore.

**Garage (add.),** Liberty Heights avenue, Forest Park, Md. Architect, John R. Forsythe, 4307 Penhurst avenue, Baltimore. Owner, Forest Park Garage, on premises. Brick, 1 story, 50x50 feet, composition roof, cement floor, electric lighting, steel and iron work, skylights, ventilators, plumbing. Contract awarded to C. W. Littleton & Son, 4313 Liberty Heights avenue, Baltimore.

## Proposals

### INVITATION FOR PROPOSALS

**TREASURY DEPARTMENT,** Supervising Architect's Office, Washington, D. C., March 24, 1919. SEALED PROPOSALS will be received at this office until 3 P. M., April 21, 1919, and then opened, for alterations at the U. S. Post Office and Court House, Erie, Pa., in accordance with the specification and drawings mentioned therein, copies of which may be had at this office or at the office of the Custodian, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT,** Supervising Architect's Office, Washington, D. C., March 19, 1919.—Sealed Proposals will be opened in this office at 3 P. M. April 16, 1919, for changes in the United States Post Office at Canton, Ohio. Drawings and specifications may be obtained from the Custodian or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

# Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

## Philadelphia

Garage, \$1,000, 2909 Philip street. Henry McIntyre (O), 2712 West Allegheny avenue. Brick, 1 story, 17x47 feet, slag roof. William Marriott (C), 207 West Cambria street.

Garage, \$500, 6505 North Twelfth street. David Strumpf (O), on premises. Brick, 1 story, 12x18 feet. A. V. Turner, 6240 North Thirteenth street.

Dwelling, \$450, 1123 Mercy street. Carmine Martitua (O), on premises. Brick, 1 story, 12x12 feet. A. De Marco (C), 1224 Christian street.

Garage, \$550, 4408 North Eighth street. M. Bouer (O), on premises. Brick, 1 story, 16x19 feet. Edw. B. Miller (C), 3927 North Sixth street.

Dwellings (25), \$75,000, Ninth and Courtland streets. Daniel Crawford, Jr. (O and C). Brick, 2 stories, 16x13 feet, 35x17 feet, slag roof, hot water heating.

Dwellings (2), \$8,000, Eighth and Wyoming avenue. Daniel Crawford, Jr. (O and C), on premises. Brick, 2 stories, 17 feet 6 inches x 50 feet, slag roof, hot water heating.

Dwelling, \$4,000, Ninth and Courtland streets. Daniel Crawford, Jr. (O and C), on premises. Brick, 2 stories, 17 feet 6 inches x 52 feet, slag roof, hot water heating.

Garage, \$4,000, 913 North Taney street. Estate Peter Arnold, Fifth and Allegheny avenue. Brick, 1 story, 22x30 feet, 90x32 feet. Raith Const. Co., 302 Master street (C).

Dwelling, \$1,700, Eighty-first and Holstein avenue. Thomas Cox (O and C), 8100 Holstein avenue. Brick, 2 stories, 16x40 feet, slag roof, hot water heating.

Dwellings (4), \$24,000, Broad and Cheltenham avenue. C. Emery Warner (O and C), 2847 North Twenty-seventh street. Brick, 3 stories, 16 feet 4½ inches x 60 feet, slate roof, hot water heating.

Garage, \$550, 4411 Richmond street. C. Judd (O), 4413 Richmond street. Brick, 1 story, 17 feet 10 inches x 20 feet. Lewis Ahlers, Jr. (C), 4433 Salmon street.

Garage, \$2,500, 6508 North Eleventh street. Louis Buehn (O), on premises. Brick, 1 story, 23x23 feet. W. J. Gruhler & Co. (C), 219 High street.

Open Shed, Main street and Walnut lane, \$1,500. Manayunk Yarn Co. (O), on premises. 72x15 feet. Elmer L. Cuthbertson (C), 334 Rox avenue.

Garage, 8125 D street, \$400.00. Frank Jennings (O), on premises. Brick, 12x19 feet, slag roof. W. E. Strock, 7326 Second street pike.

Power House, \$1,200, 963 Beach street. P. R. T. Co., 810 Dauphin street (O and C). Roof over coal conveyor.

Garage, Claridge and Cottman streets, \$400. Elwood E. Wilson, 4346 Frankford avenue (O and C). Frame, 1 story, 18x18 feet, asbestos shingles.

Garage, Fifty-fifth and Willows avenue, \$450. James McClure (O), 5501 Willows avenue. Brick, 1 story, 14x15 feet, slag roof. Alex. Ferguson (C), Sixty-seventh and Elmwood avenue.

Garage, \$1,450, 4820 Chester avenue. Dr. William B. Whetstone, on premises (O). Brick, 1 story, 22x20 feet. George C. Luon (C), 631

South Forty-second street.

Dwelling, Coulter and Fox streets, \$8,000. Brick, 3 stories, slate roof, 26x41 feet 9 inches. Martin J. Lester (O and C), 84 West Johnson street.

Store and Dwelling, \$2,800, 2224 South Seventh street. Samuel Goodman (O), on premises. Brick, 2 stories, 12 feet 6 inches x 14 feet, slag roof. David Goldman (C), 740 Morris street.

Dwellings (30), \$177,000. Daniel Crawford, Jr. (O), 701 North Sixty-third street. Brick, 2 stories, slag roof, 16x13 feet, 35x17 feet. Owner will build.

Dwellings (3), \$61,300, Seventh and Rockland streets. Charles G. Emery (O and C), 4159 North Ninth street. Brick, 3 stories, 16x43 feet, slag roof, hot water heating.

Dwelling, \$5,000, Eighth and Rockland streets. 3 story, brick, 16x10 feet, 16x33 feet and 22x10 feet, slag roof, hot water heating. Charles G. Emery (O and C), 4159 North Ninth street.

Dwellings (12), \$44,400. Charles G. Emery (O and C), 4159 North Ninth street. Brick, 3 stories, 16x30 feet and 13x12 feet, slag roof, hot water heating.

Dwellings (2), \$8,000, Ninth and Rockland streets, Philadelphia. Brick, 2 stories, 16 feet 4 inches x 49 feet, slag roof, hot water heating.

Dwellings (29), \$116,000, Ninth and Rockland streets. Brick, 2 stories, 15 feet 9 inches and 12 feet 3 inches x 37 feet and 12 feet, slag roof, hot water heating.

Dwelling, \$5,200, Marlyn road and Diamond street. Marshall Const. Co. (O and C), 1115 Marlyn road. Brick, 2 stories, 16 feet 4 inches x 41 feet, slate roof, hot water heating.

Dwellings (3), \$13,500, Marlyn road and Diamond street. Marshall Const. Co. (O and C), 1115 Marlyn road. Brick, 2 stories, 16 feet 12 inches x 27 feet 14 inches, hot water heating.

Dwellings (3), \$13,500, Marlyn road and Diamond street. Marshall Const. Co. (O and C), 1115 Marlyn road. Brick, 2 stories, 15 feet 8 inches and 12 feet x 27 feet and 14 feet, slate and slag roof, hot water heating.

Dwelling, \$5,200, Marlyn road and Diamond street. Marshall Const. Co. (O and C), 1115 Marlyn road. Brick, 2 stories, 16x41 feet, slate and slag roof, hot water heating.

Garage, \$500, 5229 North Warnock street. John Kosenyle (O), 5227 North Warnock street. Brick, 1 story, 10x17 feet. Emil P. Stahl, 5209 North Fifth street.

## Alterations and Additions

Store and Dwelling, 1913 West Susquehanna avenue, \$600. L. Newberger (O), on premises. A. Warshawsky (C), 545 North Seventh street. New flush bulk.

Garage, 1214 Allengrove street, \$1,000. Jas. Mullen (O), on premises. C. West & Co. (C), Oxford and Wakeling streets. Brick, 1 story, 10 feet 6 inches x 14 feet 6 inches, slag roofing.

Garage, south side of Clarkson avenue, east of Wister street, \$695. H. McGarry (O), on

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premises. Chas. Johnson (C), 5701 Boyner street. Brick, 1 story, 13 feet 6 inchesx21 feet.

Storage, south side of Passyunk avenue, east of Twenty-eighth street, \$5,000. Atlantic Refining Co. (O and C), 3144 Passyunk avenue. Brick, 1 story, 20x57 feet.

Garage, 2366 Orthodox street, \$325. Adam Adameczk (O and C), on premises. Brick, 1 story, 18x18 feet, slag roofing.

Machine Storage Shed, north side of Sedgley avenue, east of Gratz street, \$1,500. Wiedeman Machine Co. (O and C), Sedgley and Somerset streets. Brick, 1 story, 25x48 feet and 32 feet.

Store and Dwelling, 730 Passyunk avenue, \$2,600. A. Natkin & L. Katz (O), 758 Passyunk avenue. C. Yackwitz (C), 1202 North Seventh street.

Store and Dwelling, 1935-37 South street, \$1,300. Isaac Walport (O), on premises. B. Roseman (C), 528 Segal street. Brick, 1 story, 7x17 feet.

Dwelling, 155 West Walnut lane, \$1,800. Mary Kirk Smith (O), 448 South Fiftieth street. 2 story rear brick addition, 17 feet 6 inches x14 feet 6 inches, and alterations. A. P. Smith, 222-226 North Front street.

Dwelling, 310 North Sixty-fourth street, \$600. Peter Richi (O), on premises. Antonio Cannit, 319 North Sixty-fourth street.

Garage and Store, \$725. 1935 North Eighteenth street. E. Humberger, on premises. Davis & Clayton, 1819 North Twentieth street.

Store and Dwelling, \$700, 2610 East Allegheny avenue. Leon Morawski (O), 3177 Titon street. G. R. Richmond Co., 2732 West Allegheny avenue.

Store, \$600, 37 South Fifteenth street. Charles M. Meer (O), 3735 Filbert street. W. E. Hale, 405 South Fifty-sixth street.

Garage and Dwelling, \$800, Forty-fourth and Market streets. Dr. C. Gunrst, on premises. Gumms Paving Co., 4420 Master street.

Garage, \$500, Fairhill and Perscomb street. John B. Shutte (O), 4936 North Fifth street. Emil P. Stahl, 5209 North Third street (C).

Store and Dwelling, \$470, 1020 West Girard avenue. J. Keen (O), 1022 West Girard avenue. Frank I. Wintz, 1618 North Twenty-seventh street.

Store and Restaurant, \$1,600, 9 North Fifty-second street. Hanscom Brothers (O and C), 1232 Market street.

Store and Dwelling, \$800, 2529 North Thirteenth street. James Brow, on premises (O). Harry Witmer (C), 2529 South Thirteenth street.

Office, Dwelling and Garage, \$800, 5135 Market street. George Kilpatrick (O), on premises. Harry Sathian, 1585 North Fifty-second street.

Dwelling, \$800, 3020 Midvale avenue. Warren Shiber (O), 306 West School lane. John McCoy, 1215 Somerset (C).

Store and Dwelling, \$1,500, Twenty-second and Indiana avenue. G. L. San Francisco (O), 3021 North Twenty-second street. W. E. Carter, 2820 North Twenty-first street (C).

Store and Dwelling, \$1,000. M. Ruby (O), on premises. L. Isenberg (C), 932 North Seventh street.

Store, \$650, Fifth and Bainbridge streets. John C. Paul (O), on premises. Joseph Walls (C), 1910 South Fifteenth street.

Store and Dwelling, \$620, 1502 Fairmount avenue. H. Hurwitz (O), 3251 Ritner street. Frank Kaiser, 1522 South Sixth street.

Store and Dwelling, \$1,150, 141 North Sixth street. M. Dubin (O), 141 North Sixth street. Frank & Kaiser, 1522 South Sixth street.

Garage, \$2,100, 5511 North Mascher street. William E. Driver (O), 5509 West Mascher street. George R. Dewees, 311 Grange avenue (C).

Dwelling, \$300, 4819 Paschall avenue. Giuseppe Santangelo, on premises (O and C).

Store and Dwelling (2), 1216-1218 Germantown avenue. M. Super (O), Eighteenth and South streets. L. Solgonick, 538 Mercy street.

Dwelling, \$500, 914 Morris street. James Baldine (O), on premises. Vin. Feno (C), 1009 Mifflin street.

Motion Picture Theatre, \$1,500, 2512-14-16 East Clearfield street. William Butler (O), 2353 East Clearfield street. Campbell Const. Co., Thirteenth and Vine streets (C).

Ice Cream Factory, \$9,000, 2909-15 North street. Shanahan & Elliott Co., on premises (O and C).

Store and Dwelling, \$400, Eighty-sixth and Eastwick avenues. Jacob Beaker (O), on premises. Henry Williams, Eighty-seventh and Gibson avenue (C).

Dwelling, \$600, 1214 Erie avenue. Stetson Mayer (O), on premises. F. S. Searls (C), 5142 Thompson street.

Dwelling, \$375, 1509 Latona avenue. Thomas Romon (O), on premises. Louigi De Marco (C), 1224 Chestnut street.

Store and Dwelling, \$1,000. Sixth and Winton streets. Isaac Polis (O), 8330 Eastwick avenue. Abraham Sharipkin, 3105 South Eighty-fourth street (C).

Rooming House, \$800, 2005 Arch street. Hilbert B. Worrell (O), 555 North Seventeenth street. Branworth & Co. (C), 1611 Sansom street.

Dwelling, \$350, 4644 Richmond street. V. Kuh, 4646 Richmond street (O). Lavis Ahlers, Jr., 4433 Salmon street (C).

Smoke Stack, \$470, Lawrence and Girard avenue. Bodinstein & Kemmerle, Inc., on premises (O). Philadelphia Boiler Works, 1737 Filbert street.

Store and Storage, \$500, 1606 Arch street. Merchant Union Trust Co. (O), 711 Chestnut street. John E. Burt, 1431 and 1606 Arch street (C).

Storage, \$1,000, 2739 West Gordon street. Mary Shiller, 2214 Lehigh avenue (O and C).

Garage and Dwelling, \$300, 6803 Chew street. Winfield Fitzpatrick (O), on premises. F. Elvidge & Son (C), 5522 Germantown avenue.

Store, \$500, 5541 Germantown avenue. Robert Chyns Sons (O), on premises. F. Elvidge & Son, 5522 Germantown avenue (C).

Store and Warehouse, \$595, 1826 East Ontario street. Mrs. Emil Reis (O), 1828 East Ontario street. Mitchell Brothers, 2125 Race street.

Storehouse, \$465, 3058 Frankford avenue. John W. Conner (C), on premises. M. Moister & Co. (C), 3931 North Fifth street.

Garage, \$370, 6128 Columbia avenue. John G. Mot (O), on premises. M. Moister & Co. (C), 3921 North Fifth street.

Garage, \$500, 1621 North Fifty-ninth street. T. E. Robinson (O and C), on premises.

Store, \$500, 501 South Twelfth street. M. Sussman (O), Twelfth and Pine streets. Julius Ostroff (C), 310 Porter street.

Factory, \$6,000, 2042 North Tenth street. Frank H. Fleer Corp. (O), on premises. Milton W. Young (C), 2012 North Sixtieth street.

Store and Dwelling, \$800, 3406 Market street. A. Silver (O), on premises. L. Miller (C), 631 Spruce street.

Garage, \$500, 84 West Johnson street. Mar-

tin J. Leste (O), on premises. Owner will build.

Store, \$575, 2543-45 Kensington avenue. W. J. Geggis, 2730 North Twelfth street (O). G. R. Monteith (C), 307 North Fourth street.

Bathhouse, \$15,000, 979-981 North Seventh street. Samuel Bershad (O), 975 North Seventh street. G. J. Reuch (C), 1124 Loudon street.

Storage, 2527 Mutter street. Michael Kane (O), on premises. John Graham (C), 3308 B street.

Store Dwelling, E and Indiana avenue. William A. Shryock, 225 South Sixth street (O). J. Harvey Rea (C), 1019 Appletree street.

Store and Dwelling, 630 South Fifth street. John C. Paul, Fifth and Bainbridge streets (O). J. Walls, 1916 South Fifteenth street (C).

Dwelling, Shawmut and Weigart avenues, \$500. George Wilby (O), on premises. C. M. Swartley, 6835 Ridge avenue (C).

Warehouse, \$2,587, 1100 York street. Western Electric Co. (O), on premises. Matthew Co., New York City (C).

Shop, \$550, 160 Green Lane. Isaiah L. Ryan (O), premises. Elmer L. Cuthbertson (C), 334 Roxborough avenue.

Dwelling, Reno and Preston streets, \$965. Thomas H. McCaffrey, 1418 Walnut street (O). John Welsh (C), 138 North Seventeenth street.

Store and Dwelling, \$680, 279 South Fifty-second street. M. Kermil (O), on premises. Walter A. Evitts (C), 5022 Chancellor street.

Garage, 1436 Germantown avenue, \$450. Joseph S. Gallagher (O), on premises. Joseph Schwartz (C), 1125 Germantown avenue.

Store, \$1,300, 5110 Walnut street. John Clutcher (O), on premises. James R. Booth (C), Garrettsford, Pa.

Dwelling, \$405, 1700 Oxford street. Dr. Bernard G. Walker (O), premises. J. F. Trent, 2041 Master street (C).

Dwelling, \$400, 2308 Lombard street. Charles L. Blucknell (O), premises. J. F. Trent (C), 2041 Master street.

(Continued from Page 162.)

than any other type of building, would give American architects opportunity to show their originality and their sense of fitting a building to its purpose. To me it would seem a calamity if a model Community House were designed by some Beaux Arts architect here in New York, and sent out to cities all over the country. I believe that each town should have something distinctive of its own life and traditions. Even a general adherence to monumental, classic or renaissance style would be a great mistake. I can see, in the hundreds of Community Houses to be built, the possibility of a revival of some of the finest traditions of Colonial architecture in the New England and Southern states and perhaps a fine adaption of the Spanish-American tradition in the southwest. If the public would fully realize this, we might obtain at last something approaching in the aggregate, a national American architecture."—"The Architect and Engineer."



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| Reserve for Reinsurance.....   | 12,217,808.92   |
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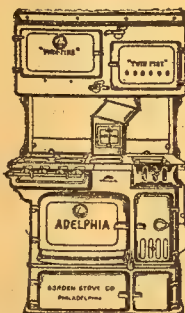
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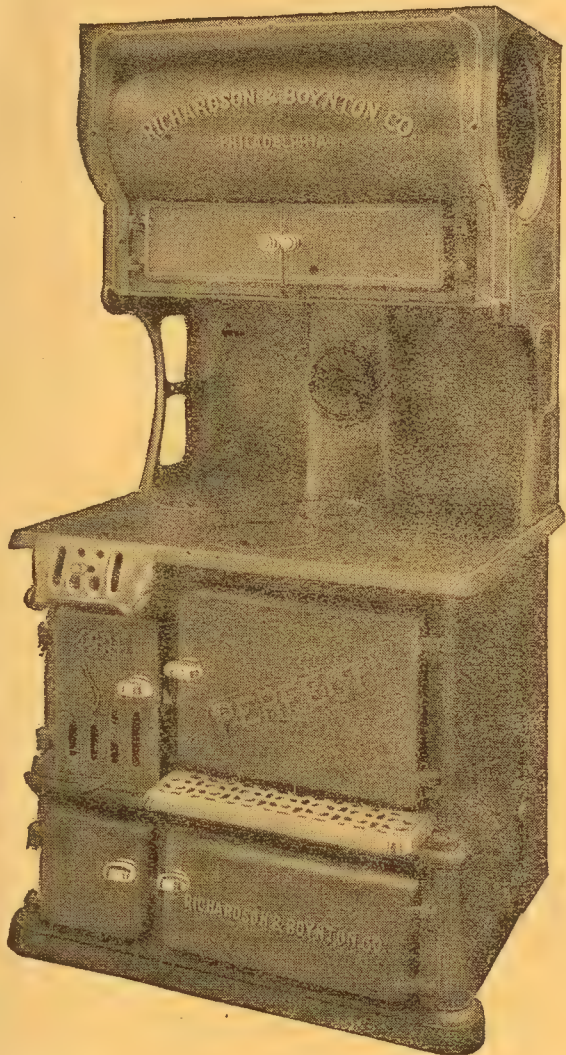
# Builders' Guide

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Vol. XXXIV., No. 14  
April 2, 1919

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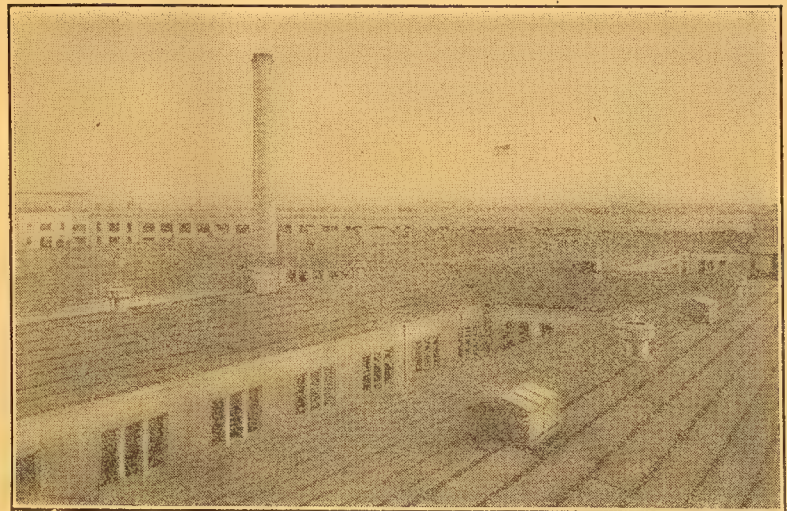
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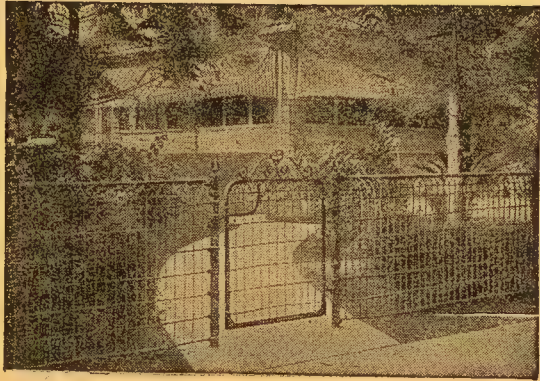
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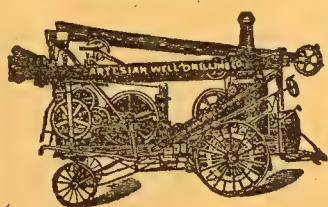
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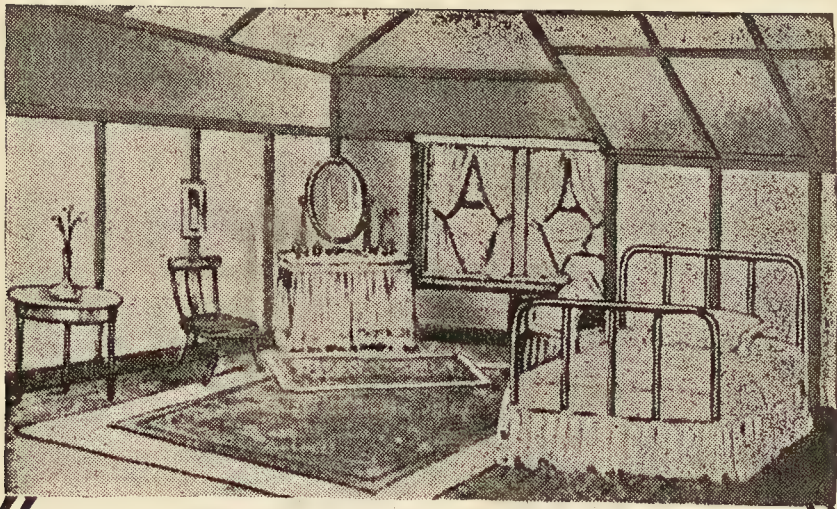


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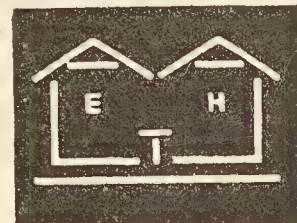
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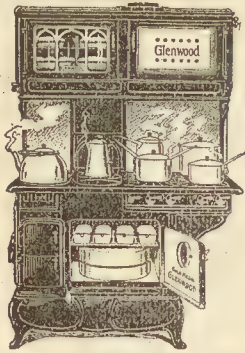
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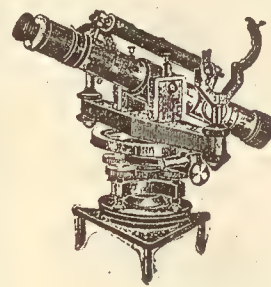
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 14

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## BUILDERS' GUIDE

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## As The Editor Sees It



Presented in the Pennsylvania Senate March 24th, the act to regulate the practice of architecture in this State will undoubtedly enhance the dignity of the architectural profession. It will give the bonafide architect right to label his work "Registered Architect," and will prevent the indiscriminate use of the term architect.

Certainly engineers or architects can find little if any objection to the provisions of this Act. The framers of the bill have given most thoughtful consideration to all the phases of the measure and deserve the commendation of the architectural profession and the building trades.

We quote the act as introduced verbatim:

An Act to regulate the practice of architecture in the Commonwealth of Pennsylvania; by providing for the examination and registration of architects by a State Board of Examiners; defining the power and duties of said Board of Examiners and providing penalties for the violation of this Act.

Section 1. Be it enacted by the Senate and House of Representatives of the Commonwealth of Pennsylvania in General Assembly met, and it is hereby enacted by the authority of the same, that within ninety days after the approval of this Act, the Governor shall appoint a State Board of Examiners of Architects, which Board shall be composed of five architects, who have been in active practice in the State of Pennsylvania for not

less than ten years previous to their appointment.

In making the first appointments under this Act, the Governor shall appoint one of the said members of said Board to hold office for a period of one year, one to hold office for a period of two years, one for three years, one for four years and one for five years. In case a successor is not appointed at the expiration of the term of any member, such member shall hold office until his successor has been duly appointed and has qualified. In the event of any vacancy occurring in the membership of said Board, in any manner other than by expiration of term, the Governor shall fill said vacancy by an appointment for the unexpired term. The members of said Board shall, before entering upon the discharge of their duties, subscribe to and file with the Secretary of the Commonwealth, the constitutional oath of office.

Section 2. The said State Board of Examiners of Architects shall meet for organization within ninety days after its appointment, and shall elect from its membership a President, a Secretary and a Treasurer.

The said Board shall adopt all necessary rules, regulations and by-laws, not inconsistent with this Act and the Constitution and laws of this State or of the United States, to govern its times and places of meeting for organization and reorganization, and the holding of examinations, the length of the terms of

its officers, and all other matters requisite to the exercise of its powers, the performance of its duties and the transaction of its business under the provisions of this Act.

The said Board shall impress upon the certificates of registration issued to registered architects under this Act, the seal of the Commonwealth of Pennsylvania.

Section 3. The Secretary of the said Board shall keep a true record of all proceedings of the Board and may employ such clerical assistance as the Board may deem necessary.

The said Board shall be charged with the duty of enforcing the provisions of this Act and may incur such expenses as shall be necessary, all of which shall be paid out of the funds and the manner hereinafter mentioned and provided. The said Board shall file with the Governor annually a full report of its operations.

Section 4. All fees provided for by this Act shall be paid to and receipted for by the Treasurer of the Board, to be by him held as a fund for the use of the said State Board of Examiners of Architects, and to be paid out by him only upon the written order or warrant of the President and Secretary of the Board. Said Treasurer shall give a bond to the Commonwealth for the use of said Board, in amount and with such conditions as the Board may prescribe. The accounts of the said Treasurer shall be audited by the Auditor General's Department.

All expenditures of the said Board shall be paid from the funds received un-

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der the provisions of this Act and shall in no case be paid from the State Treasury.

It shall be the duty of the Board of Commissioners of Public Grounds and Buildings to provide and furnish suitable quarters in the City of Harrisburg, for the transaction of the business of the said Board of Examiners.

The said Treasurer may retain in his custody at any or all times such sums as may be necessary to defray the expenses of the Board, but all moneys in his hands in excess of the sum of Twenty Thousand Dollars (\$20,000.00) on the first day of June of each year shall be paid by the Treasurer of the said Board into the State Treasury.

Each member of said Board of Examiners shall be entitled to receive as a part of the expense of the Board, Ten Dollars per diem while actually engaged in attendance at meetings or in conducting examinations, the members shall receive also, the amount of actual traveling, hotel, clerical and other necessary expenses incurred in the performance of their duties under this Act. In addition to the above per diem allowance the Secretary and Treasurer shall receive salaries which shall not exceed Five Hundred and Two Hundred Fifty Dollars per annum, respectively.

Section 5: Three members of the Board shall constitute a quorum, but no action at any meeting shall be taken without at least three votes in accord, and the regular and special meetings of the Board shall be called and held in the manner and at the times and places prescribed in its rules, but at least two meetings shall be held each year for the purpose of examining applicants for Registration.

Section 6. Any person residing in, or having a place of business in this State, who, upon the date of the approval of this Act is not engaged in the practice of architecture in the State of Pennsylvania, under the title of "Architect," shall, before engaging in the practice of architecture, or being styled or known as an architect, secure from said Board of Examiners a certificate of his or her qualifications to practice under the title of "Architect," and be duly registered with said Board as provided by this Act. Any properly qualified person who shall have been engaged in the practice of architecture, under the title of "Architect" for at least one year prior to the date of the approval of this Act, may secure such certificate, and be registered, in the manner provided by this Act. Any person holding a certificate and being duly registered pursuant to this Act may be styled or known as a Registered Architect. No other person shall assume such title or use the abbreviation R. A., or any other words, letters or figures to indicate that

he or she is a Registered Architect. Any person who shall have been engaged in the practice of architecture under the title of "Architect" for a period of one year prior to the approval of this Act may continue so to do without a certificate or registration, provided that an affidavit setting forth these facts be filed with the Board of Examiners and satisfactory proof of competency be presented, but such person shall not be styled or known as a Registered Architect.

Section 7. Any citizen of the United States, or any person who has declared his intention of becoming such citizen, or any citizen of another country complying with the requirements of this Act for aliens, being at least twenty-five years of age and of good moral character, may apply for academic or technical examination or certificate and registration under this Act, but before being admitted to the technical examination, shall submit satisfactory evidence of having completed the course in a high school approved by the Board of Examiners or the equivalent thereof, and having completed such courses in mathematics, history and language as may be determined by the Board of Examiners, or shall pass a satisfactory examination in such branches. Examinations for the above academic requirements shall be held by the Board of Examiners.

The Board of Examiners may accept satisfactory diplomas or certificates from approved institutions covering the courses required for academic examination.

Upon complying with the above requirements and before receiving a certificate or being registered, the applicant shall satisfactorily pass an examination in such technical and professional courses as may be established by the Board of Examiners, unless said applicant be entitled to such certificate and registration without examination as provided in subsequent provisions hereof. The Board of Examiners may in lieu of all examinations accept satisfactory evidence of any one of the qualifications set forth under subdivisions "A" and "B" of this section.

A. A diploma of graduation or satisfactory certificate from an architectural college or school that the applicant has completed a technical course approved by the Board of Examiners, and has had at least three years' satisfactory experience in the office or offices of a reputable architect or architects.

The Board of Examiners may require applicants under this subdivision to furnish satisfactory evidence of knowledge of professional practice and supervision of work.

B. Registration and certification as an architect in another State or country

where the qualifications required are equal to those required in this State.

C. The Board of Examiners may grant a certificate of qualification to, and register, without examination, any one who has been engaged in the practice of architecture in this State for at least one year prior to the date of approval of this Act as a member of a reputable firm of architects or under his or her own name, or to any one who has been engaged in the practice of architecture as an employee for at least five years prior to the date of approval of this Act, provided that applicants under this subdivision shall present satisfactory proof of competency and qualifications and evidence as to character, and provided that the application for such certificate shall be made within two years after the date of approval of this Act.

Any architect, who has lawfully practiced architecture for a period of more than ten years without the State shall be required to take only a practical examination which shall be of the nature to be determined by the Board of Examiners.

Any architect, who is a citizen of a foreign country and who seeks to practice within this State, and who has lawfully practiced architecture for a period of more than ten years, shall be required to take a practical examination as determined by the Board of Examiners, or if in practice for a period of less than ten years shall obtain a certificate and registration by satisfactorily passing academic and technical examinations or by presentation of certificates or diplomas from recognized schools showing achievement by applicant satisfactory to the Board of Examiners.

Every person applying for examination or certificate of qualification and registration under this Act shall pay a fee of Twenty-five Dollars to the Treasurer of the Board of Examiners.

Said examination said be conducted by the full Board or by one or more members of the same duly delegated by said Board, or otherwise as may be determined by the said Board.

If such applicant shall successfully pass such examinations, or shall bring himself or herself within the provisions of subdivision "C" above, the said Board shall issue to such applicant, under the seal of the State, a certificate of qualification to practice architecture in the State of Pennsylvania, which said certificate shall be signed by the President and Secretary of the Board and shall be in such form as may be prescribed by said Board, but the same shall contain the name of the successful applicant, his or her place of business and the words, "Admitted to practice Architecture in the State of Pennsylvania the ..... day of ....., 191 .."



Section 8. The Secretary of the Board shall keep an official register of all certificates of qualification to practice architecture issued under the provision of this Act, and of the renewals of the same as hereinafter provided for, which register shall be properly indexed and shall be open to public inspection and information.

Section 9. Each original certificate issued and registered under the provisions of this Act, shall authorize the holder thereof to practice architecture as a Registered Architect throughout this State, from the date of the issuance of said certificate until the last day of June next succeeding the date upon which the said certificate was issued, unless said certificate be revoked for cause as hereinafter provided.

Section 10. Each architect receiving a certificate of qualification under the provisions of this Act, shall annually in the month of June, during the time such holder shall desire to continue the practice of architecture as a Registered Architect in this State, apply for a renewal of said certificate, whereupon the said Board shall issue to such architect, in such form as the said Board may provide, a renewal of said certificate for the term of one year, and such renewal shall be duly registered by the Secretary of said Board in the official register of the Board hereinafter provided for.

In the event that any holder of a certificate of qualification to practice architecture shall neglect or fail to have said certificate renewed in the manner herein provided during the month of June in each and every year, the right of such architect to practice as a Registered Architect in this State, shall cease and determine on the last day of the month of June during which said certificate should have been renewed under the provision of this Act, and it shall be the duty of the Secretary of the said State Board of Examiners of Architects, to give notice, in writing, of the expiration of such certificate to the holder thereof and make a proper entry on said register, showing the expiration of such certificates.

Any holder of a certificate of qualification to practice architecture, which has been suspended under the provisions of this Act, may obtain a renewal of such certificate at any time within one year from the date of its expiration, upon application to and the approval of the State Board of Examiners of Architects; and upon obtaining such approval and receiving such certificate shall pay to the Secretary of the Board, a fee of Ten Dollars. The time of renewal may be extended at the discretion of the Board of Examiners.

Section 11. The said State Board of Examiners of Architects may, by unani-

mous action, revoke any certificate of qualification to practice architecture, issued or renewed under the provisions of this Act, for incompetency or recklessness or for neglect of duty in the practice of architecture, or for dishonest practice on the part of the holder thereof.

Any architect holding a certificate of said Board of Examiners of Architects, against whom any of the foregoing charges may be preferred shall be furnished by the said Board with a copy of the charges, and shall be entitled to a hearing before the said Board, at which witnesses may be examined respecting the guilt or innocence of the person accused.

In the event that said certificate is revoked by said Board, the Secretary shall make proper entry and registration of the fact of said revocation, and shall give notice in writing of such revocation to the holder of said certificate.

At any time after the expiration of six months from the date of revocation of said certificate and upon the payment of all costs incurred by said Board, the person whose certificate has been revoked, may make application to the said Board of Examiners of Architects, for a new certificate, and the said Board, upon receiving evidence, which, in its opinion would warrant the granting of a new certificate, may at its discretion, issue a new certificate upon the payment to its Treasurer of a fee of Ten Dollars.

Section 12. Every holder of a certificate shall be required to sign all his or her drawings as a "Registered Architect."

Section 13. On and after July 1st, 1919, it shall be unlawful for any person in the State of Pennsylvania to enter upon the practice of architecture in the State of Pennsylvania, or to hold himself or herself forth as an architect or as a "Registered Architect," or to use any

other word, or any letters or figures indicating or intended to imply that the person using the name is a "Registered Architect," unless he or she has complied with the provisions of this Act and is the holder of a certificate of qualification to practice architecture issued or renewed and registered under the provisions of this Act.

And after two years from the date of the approval of this Act it shall be unlawful for any person who had been engaged in the practice of architecture for a period of at least one year prior to the approval of this Act to continue such practice without complying with the provisions of this Act applicable to persons engaged in the practice of architecture for a period of at least one year prior to its approval.

This Act shall not be construed to prevent persons other than Architects from filing applications for building permits or obtaining such permits, nor shall it be construed to prevent such persons from designing buildings and supervising their construction, provided their drawings are signed by the authors with their true appellation as engineer or contractor or carpenter or etc., but without the use in any form of the title of architect.

Section 14. Any person violating any of the provisions of this Act shall be guilty of a misdemeanor and upon conviction thereof, shall be sentenced for the first offense to pay a fine of not less than Fifty Dollars, nor more than One Hundred Dollars, and for a second or any subsequent offense, shall be sentenced to pay a fine of not less than Two Hundred Dollars, nor more than Five Hundred Dollars, or to undergo an imprisonment in the County Jail, of not more than one year; either or both, at the discretion of the Court.

## INVESTMENT BUILDING

BY W. R. SAFFORD

**B**OTH architects and builders are not always mindful that an apartment building is usually a strictly commercial proposition. That is, apartment buildings are built primarily to earn a profit for the owner and not merely to produce architectural monuments to the skill and taste of the architect.

If a butcher buying a side of beef at a certain price should retail the different cuts to his customers at less than what the beef cost him in the first place he would prove a failure. No matter how exemplary he might be as a humanitarian, as a business man he would be a fool. Butchers don't do business that way.

Yet, there are owners of flat buildings who put their good money into a proposition with the expectation of receiving a reasonable income from the investment, but who eventually find they have put in more than they can take out; and there are many architects and builders who aid and abet them in their money-losing schemes.

Partly the fault of the architect who designs too expensively and partly the fault of the builder who constructs without economy, it is also much the fault of the owner, because he doesn't conservatively figure out his investment before making the plunge.

You may hire experts to do your plan-



ning, but you will find no man quite so able to safeguard your money as yourself, Mr. Owner. It is up to you to check up your experts and see that your investment in an apartment building shows a proper percentage of profit before you go ahead.

You, Mr. Architect, and you also, Mr. Builder, can greatly assist the owner in making his legitimate profit if you will advise him faithfully along profitable lines and remember, above all things, that he is not a philanthropist. He is probably looking for a safe and profitable return on his money. If you do not understand his point of view and are not sufficiently skillful to solve his problem along these lines, then you ought not to be posing as an expert in apartment house work.

Of course, the problem of flats to rent for profit in a small town is quite different from what it is in a large city. Your tenants in a small town are of a very different class from those in a city; their requirements are not at all similar and the price they will pay for what they want fluctuates from the height of extravagance in the fashionable section of a large city to the tightest of economy in a modest little town.

With a certain lot in mind on which it is planned to erect a building for commercial purposes to yield the utmost of profit for the owner, an expert should first get the lay of the land to determine what sort of tenants it will pay to go after. That is, he should understand from knowledge of the section of town in which the property is located, what class of people will be most attracted by his proposition. If they are humble working people, probably unable to pay more than twenty or twenty-five dollars a month, he must figure the kind of building that can be built to yield the maximum of profit at that rent. If after people who can spend money liberally, he must spread himself accordingly, and provide them with something more luxurious—a plan to make higher rents possible.

It is only after careful study of the problem in this way that the expert, be he builder or architect, can intelligently advise the owner. Whatever proposition is put up to the investor should be carefully figured out as to first-cost, cost of maintenance and net yield in profits, so that the owner may be assured of a profitable investment.—*National Builder*.

**I**NDUSTRIAL conditions in Europe, with special reference to the building business, are being investigated by R. R. Otis, of Atlanta, Ga., a member of the Employers' Industrial Commission of the United States Department of Labor. Mr. Otis is one of the most prominent builders in this country, and

the information he obtains abroad will, it is expected, be of great value to the trade.

The Commission was sent abroad under the auspices of the Information and Education Service of the Department of Labor, and its aim is to collect data from European sources which will enable the United States to profit from what has been experienced and what is being accomplished abroad in the interest of better relations between employer and employee, and in the interest of business as a whole.

One of the subjects that will be investigated is the methods of the Government and the attitude of the employers in handling problems of production that arose during the war. Special reference will be made to the adjustment of labor disputes, both as to wages and to labor's voice in management.

Of more immediate value, perhaps, will be the further investigations, covering industry as a whole, regarding the attitude of the Government and the plans of employers in connection with reconstruction. Problems of unemployment, of wages and of participation in managerial control will be studied in particular.

The commission is headed by E. T. Gundlach, of Chicago, representing publishing interests, and includes, besides Mr. Otis, R. J. Caldwell, of New York, prominent in textile interests; W. H. Ingersoll, of New York, who is in the jewelry industry, and Dorr E. Felt, of Chicago, who is connected with the office appliances and machinery interests. The Commission will remain in Europe about a month longer, from present indications. Dr. Royal Meeker, Commissioner of Labor Statistics, accompanies the Commission as economic adviser.

## CONTRACTS LET SHOW IMPROVEMENT IN BUILDING AND CONSTRUCTION ACTIVITIES

**O**N the basis of the money value of contracts let during the month of February, building and construction work rapidly is approaching the normal for this season of the year. A memorandum for the Economics Section of the Division of Public Works and Construction Development has been made public by the U. S. Department of Labor, in which the February figures are compared with those of pre-war years. The statement is as follows:

"For some months previous to November, 1918, the total money value of building and engineering contracts awarded was about the same as for the corresponding months of the two previous years and larger than for the same months in the years 1914 and 1915.

"Reducing the money values for the years 1914 to 1917 to present costs, the 1918 amounts were about equal to the average for the previous four years. It must be remembered, however, that one-third of the contracts awarded during the year 1918 were for Government work.

"Expressed in million dollars, the money cost of construction in November for the years 1914 to 1918 was as follows: 1914, 46; 1915, 88; 1916, 122; 1917, 94; 1918, 130. Reducing these figures to the basis of 1918 prices, and expressing in the nearest millions, they appear as follows: 1914, 88; 1915, 136; 1916, 169; 1917, 108; average for four years, 120. Since the amount for 1918 was 130 million dollars, it is evident that, with Government work included undoubtedly to quite an extent, it was about the normal amount.

"In December, the hesitation following the signing of the armistice and the expectation of falling prices began to be felt. The actual figures for December for the years under consideration were: 1914, 42 (million); 1915, 83; 1916, 113; 1917, 91; 1918, 57. Reduced to 1918 prices, the four preceding years appear as follows: 1914, 63; 1915, 127; 1916, 57; 1917, 105; average for four years, 113 million. The amount for 1918 was 57 million, or fifty per cent. of this average.

"The January figures of the actual contracts awarded are 1915, 43; 1916, 63; 1917, 91; 1918, 152. Reduced to the basis of 1918 or present prices, these appear to be: 1915, 66; 1916, 87½; 1917, 105; 1918, 152; average for the four years, 103. The amount for January, 1919, was 51 million dollars, still about fifty per cent. of the average.

"The actual money values of contracts awarded during the month of February were: 1915, 49; 1916, 66; 1917, 95; 1918, 147. Reduced to the 1918 or present basis of prices, these are as follows: 1915, 76; 1916, 92; 1917, 110; 1918, 147; average for the four years, 106. As the amount for February, 1919, was 95 million dollars, it appears that this was 90 per cent. of the average for the four preceding years.

"If we include 1913 and 1914, with actual amounts of 70 millions and 39 millions respectively (103 and 59 when reduced to basis of present prices), the average for six years becomes 98 millions and the present February is about 97 per cent. of this average."



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Residences (8)**, Sixty-second and Osage avenue, Philadelphia. Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Okner, Charles E. Biddle, Real Estate Trust Building, Philadelphia. Brick, 2 stories, 15x40 feet, tin and slag roof, galvanized iron bulks, yellow pine and oak floors, stone foundations, electric lighting, hot water heating. Owner is taking sub-bids.

**Dwellings**, Fairhill street, south of Chew street, \$40,000. Architect, private plans. Owner, Henry W. Bauer, northeast corner Fifth and Chew streets. Brick, 2 stories, 16x32½ feet, slag roof, hot water heating, electric lighting. Owner will build.

**Moving Picture Theatre**, 734 Market street, Philadelphia. Architect, Paul J. Henon, Jr., 10 South Eighteenth street, Philadelphia. Owner, name withheld. Brick and stone, first floor, 30x130 feet, tile and marble work, electric lighting, ventilating system, fire doors. Plans in progress.

**Residence (alts. and add.)**, 5425 Greene street, Germantown. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, Albert E. Bacon, 5124 Pulaski avenue. Brick, add. 2 stories, 15x24 feet, tin roof, hot water heating extension, electric lighting, plumbing and interior alterations. Architect has received bids.

**Factory**, Salmon and Lehigh avenue, Philadelphia. Architect, Herman H. Kline, 536 Mifflin street, Philadelphia. Owners, William Cummings & Co., 1615 North Second street, Philadelphia. Brick, 1 story, 48x103 feet, slag roof, steam heating, electric lighting, rolled steel sash, hollow metal skylights, plank floors. Architect and owner taking bids due as soon as possible. Raith Const. Co., 304 Master street; Dominic Bro., 519 Christin street, and J. S. Rogers Co., Drexel Building, are figuring.

**Office, Show Room and Apts.**, 913-17 South Seventeenth street. Architects, Lachman & Murphy, Drexel Building, Philadelphia. Owner, Walter W. H. Casselle, 917 South Seventeenth street, Philadelphia. Brick, 3 stories, 48x60 feet, slag roof, N. C. pine floors, stone foundations, steam heat, electric light, tile and marble work. Architects taking bids due April 7th. Raith Const. Co., 304 Master street; Wills Ludwick Co., 1703 Sansom street; John M. Yardley, 1716 Sansom street; J. F. Trent, 2041 Master street, are figuring.

**Officers' Quarters (2)**, Frankford Arsenal, Philadelphia. Architect, private plans. Owners, United States Government, care of Frankford Arsenal, Philadelphia. Stone and brick, 2½ stories, 53x45 feet, slate, J-M. canvas roof, North Carolina pine floors, stone foundations, steam heat, electric lighting, tile and marble work, metal lath, metal weather strips, wire screens. Owners have received approximate bids.

**Bakery Building**, Third and Washington avenue, Philadelphia. Architect, Reuben Beard, Commonwealth Building, Philadelphia.

Owner, Philip Ginsberg, 1028 South Third street, Philadelphia. Brick, 2 stories, 50x50 feet, slag roof, cement floors, stone foundations, hot water heating, electric lighting, tile and marble work, metal lath, Patent Ovens, kalamein sash, electric elevator, structural steel, flush bulks. Architect has received bids.

**Store Bldg.**, 2315 Walnut street, Philadelphia. Architect, Le Roy K. Rothschild, 1225 Sansom street, Philadelphia. Owner, J. J. Greenberg, Morris Building, Philadelphia. Alterations and additions, tile and marble work, hardwood floors, hot water heating, plumbing. Architect has received bids.

**Column Foundations (68)**, Front street between Arch and Callowhill streets. Architect, private plans. Owner, City of Philadelphia, Department of City Transit, 1211 Chestnut street. Concrete. Lowest bid submitted by Brown-King Const. Co., Commercial Trust Building, \$29,800.

**Garage**, southeast corner Twenty-sixth and Harold streets, Philadelphia, \$3,000. Architect, private plans. Owner, J. P. Maher, 2733 West Lehigh avenue, Philadelphia. Brick, 1 story, 23x123 feet, slag roof, electric lighting, cement floor. Owner will sub-let and build.

**Dwellings (29)**, 3210 to 3266 Newkirk street, Philadelphia, \$92,000. Architect, private plans. Owner, Morris L. Miller, Commonwealth Building. Brick, 2 stories, 14x46 feet, slag roof, hot water heating, electric lighting, oak floors, tile work. Owner is taking sub-bids.

**Dwellings (7)**, 2825-37 West Allegheny avenue, Philadelphia, \$29,400. Architect, private plans. Owner, Morris L. Miller, Commonwealth Building, Philadelphia. Brick, 2 stories, 16x53 feet, slag roof, hot water heating, electric lighting, hardwood floors, tile work. Owner is taking sub-bids.

**Garage**, Chestnut Hill, Philadelphia. Architect, J. E. Fieldstein, Penfield Building, Philadelphia. Owner, name withheld. Stone, 1 story, 22x26 feet, slate roof, hot water heating. Plans in progress.

**Building**, American and Dauphin streets, Philadelphia. Architect, private plans. Owner, Abram Cox Stove Co., American and Dauphin streets. Brick, 2 stories, 50x56 feet, slag roof, stone foundations, concrete floors, electric lighting, mill work (heating reserved). Owner has received bids.

**Garage**, Germantown avenue and Mermaid lane, Philadelphia. Architect, H. G. Hammer, 808 North Seventeenth street, Philadelphia. Owner, Adam Lotz, on premises. Stone, 1 story, 34x80 feet, slag roof, stone foundations, cement floors, electric lighting, plumbing, rolling steel shutters (heating reserved). Plans completed. Owner is ready for bids.

**Store (alts.)**, 5713 Germantown avenue, Philadelphia. Architect, H. G. Hammer, 808 North Seventeenth street, Philadelphia. Owner, Charles Manzi, on premises. Brick, 3 stories, 18x90 feet, slag roof, yellow pine floors, stone foundations, steam heat, electric light,

dumb waiters, rolled steel sash and skylights, metal ceilings. Architect will build and is ready for sub-bids.

**Residence (alts.)**, 1926 Rittenhouse street, Philadelphia. Architects, R. W. Pollock and E. G. Rust, 1802 Chestnut street, Philadelphia. Owner, Mrs. A. C. Keefer, 254 South Sixteenth street, Philadelphia. Three stories, hot water heating, electric lighting, tile and marble work, copper and tin roof, oak floors, ornamental iron work, millwork, plumbing, plastering. Architects have received revised bids.

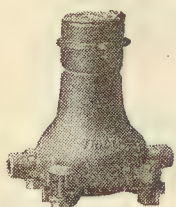
**Factory**, 137 Berkley street, Germantown. Architect, Fred J. Schwarz, Patterson, N. J. Owners, Van Straaten & Havey, 1815 Bristol street, Philadelphia. Brick (slow burning construction), 4 stories, 56x116 feet, slag roof, wood and cement floors, stone foundations, rolled steel sash, hollow metal skylights, fire doors, mill work, fire tower (plumbing, heating, electric work and elevator reserved). Owners and architect taking bids. Raith Construction Co., 304 Master street; Smith-Hardican Co., 1606 Cherry street; R. M. Peterson, 5522 Germantown avenue; John R. Wiggins Co., Otis Building, Philadelphia; John N. Gill Co., Otis Building; R. C. Ballinger Co., 218 North Thirteenth street; Hughes-Foukrod Co., Commonwealth Building; Roydhouse Arey Co., 102 North Broad street; Wark & Co., 1737 Filbert street, are figuring.

**Factory (add.)**, 2411 West Norris street, Philadelphia. Architect, private plans. Owners, Standard Dental Mfg. Co., on premises. Brick, third story add. 37½x63 feet, slag roof, mill construction, heating and lighting extensions. Owners have received bids.

**Dwellings (4)**, Twelfth and Sommerville avenue, Philadelphia, \$13,600. Architect, private plans. Owner, Sarah Hittenberger, 512 Walnut street, Philadelphia. Brick, 2 stories, 16x34 feet, slag roof, electric lighting, hot water heating. Builder, R. N. Webb, 5009 North Broad street, is taking sub-bids.

**Guard House**, Navy Yard, Philadelphia. Architect, private plans. Owner, United States Government, care of Chief, Public Works Department, Navy Yard, Philadelphia. Concrete, brick, hollow tile and stucco, 2 stories, 44x44 feet, slate roof, hot air heating, electric lighting, cement floors, hollow tile, metal lath, ventilators. Owners taking bids due April 11th. F. A. Havens & Co., 845 N. Nineteenth street; T. C. Trafford, 1613 Sansom street; Wark & Co., 1737 Filbert street; J. M. Yardley, 1716 Sansom street; William R. Dougherty, 1610 Sansom street; Turner Cont. Co., 1713 Sansom street; F. L. Hoover & Son, 1023 Cherry street; William Linker Co., 831 Cherry street; M. H. McCloskey, Jr., 1620 Thompson street; W. O. Springer, 1624 Latimer street; J. Howard Roberts, Lansdowne, Pa.; Lam Building Co., 1001 Wood street, and Monaghan & Losse, Inc., 3016 Chestnut street, are figuring.

**Synagogue**, Larchwood avenue and Salford street, Philadelphia. Architect, J. E. Field-



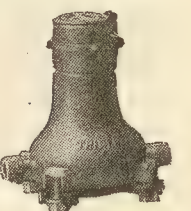
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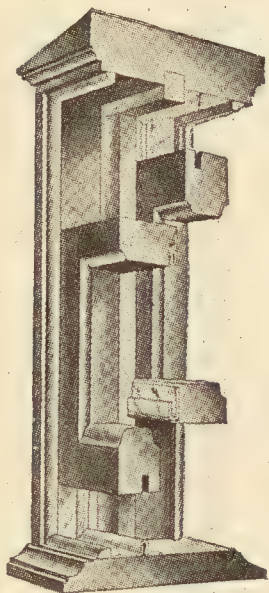
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stein, Penfield Building, Philadelphia. Owner, Cong. of Chevreh Lenas Hazedeck, Abram Wernick, Chairman of Building Committee, Bailey Building, Philadelphia. Brick and stone, 1 story, 65x80 feet, stone foundations, slag roof, composition and cement floors, steam heating, electric lighting, metal lath, artificial stone. Architect taking bids due April 3rd. E. E. Hollenback, Inc., 1804 Brandywine street; Albert Zellfelder, 151 South Broad street; J. P. Fallon, 449 South Sixtieth street; A. Sonnenfeld, 187 South Sixty-third street; M. Kirshner, 421 Snyder avenue; Raith Const. Co., 304 Master street, are figuring.

Group of Buildings, League Island Park, Philadelphia. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, City of Philadelphia, Department of Public Works, City Hall. Brick, reinforced concrete, granite and limestone, red tile roof, cement and concrete floors, marble, tile, terrazzo and slate work, iron work, hot water heating, electric lighting, 1 story, 185x49 feet, (2) 50x17 feet, 2½ stories, 49x32½ feet, 64x37½ feet, 64x15 feet. Lowest bidders, Edw. Fay & Son, 2 South Mole street, \$265,880; M. H. McCloskey, Jr., 1620 Thompson street, \$272,456.

Piers (2), Wolf and Porter streets, Delaware River, Philadelphia. Architect, private plans. Owners, City of Philadelphia, Department of Wharves, Docks and Ferries, care of George S. Webster, Director, Bourse Building, Philadelphia. Substructure, concrete, steel reinforced, Pier No. 82, 800x300 feet, vitrified block and asphalt block, ornamental iron work. Lowest bidder: Arthur McMullen Co., Finance Building, Philadelphia. Pier No. 82, \$898,000; Pier No. 84, \$855,000.

Foundry Building, Juniata and Roxborough streets, Philadelphia. Architect, private plans. Owners, Philadelphia Sash Weight Works, Glenwood avenue, near Twenty-second street, Philadelphia. Brick and reinforced concrete, 1 and 2 stories, 70x144 feet, slag roof, cement floors, freight elevator (plumbing, heating, electrical work, cement floors and elevator reserved), stone foundations, roof ventilators, iron work. Owners taking bids, due April 10th. Austin & Co., Bulletin Building; Davis & Clayton, 1817 North Twentieth street; H. F. Dinkelacker, 227 North Farson street; A. R. Raff Cont. Co., 1635 Thompson street; George H. Evans, 45 North Thirteenth street; Geo. Kessler Cont. Co., Drexel Building; John P.

Fallon, 449 South Sixtieth street; Wm. Linker & Co., 831 Cherry street, are figuring.

Garage and Office Building, Juniata and Roxborough streets, Philadelphia. Architect, private plans. Owners, Philadelphia Sash Weight Works, Glenwood avenue, near Twenty-second street, Philadelphia. Brick, 1 story, 26x45 feet, slag roof, cement floors (heating, lighting, plumbing and cement floors reserved). Owners taking bids, due April 10th. Austin & Co., Bulletin Building; Davis & Clayton, 1817 North Twentieth street; H. F. Dinkelacker, 227 North Farson street; A. R. Raff Cont. Co., 1635 Thompson street; George H. Evans, 45 North Thirteenth street; George Kessler Cont. Co., Drexel Building; John P. Fallon, 449 South Sixtieth street; Wm. Linker & Co., 831 Cherry street, are figuring.

Residence (alts. and add.), 3605 Powelton avenue, Philadelphia. Architect, Le Roy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, H. I. Crane, on premises. General alterations for apartments, plumbing, electric work, tile work, kitchen addition. Plans in progress. Will be ready for bids in two weeks.

Residence (alts. and add.), Old York Road and Boulevard. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owner, Edwin Stott, 429 North Sixth street, Philadelphia. Stone and brick, slate and tile roof, stone foundations, hot water heating, electric light, tile and marble work, rolled steel sash, cement, tile and composition floors, ornamental iron work. Architects are taking revised bids.

Rectory Annex, Lehigh avenue and B street, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Visitation B. V. M. R. C. Church, care of Rev. James C. McLoughlin, on premises. Brick, three-story addition, 18x47 feet, slag roof, stone foundations, hot water heating, electric lighting and plumbing extensions, tile and marble work, mill work. D. W. O'Dea, 5227 North Fifth street, is taking sub-bids.

Dwelling (alts.) to Store and Dwelling, 1417 South Fifty-eighth street, Philadelphia. Architect, I. W. Levin, 2434 South Eighth street, Philadelphia. Owner, I. Phillipson, on premises. Flush bulk, plate glass, hollow metal skylight, hot water heating, electric lighting, tile and marble work, hardwood floors, mill work, painting, galvanized iron bay window and cornice. Owner is ready for bids.

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### A few Detroit Buildings covered with Barrett Specification Roofs

They are, top to bottom:

Burroughs Adding Machine Co., Detroit; Architect, Albert Kahn, Detroit.

Book Building, Detroit; Architect, Louis Kamper, Detroit.

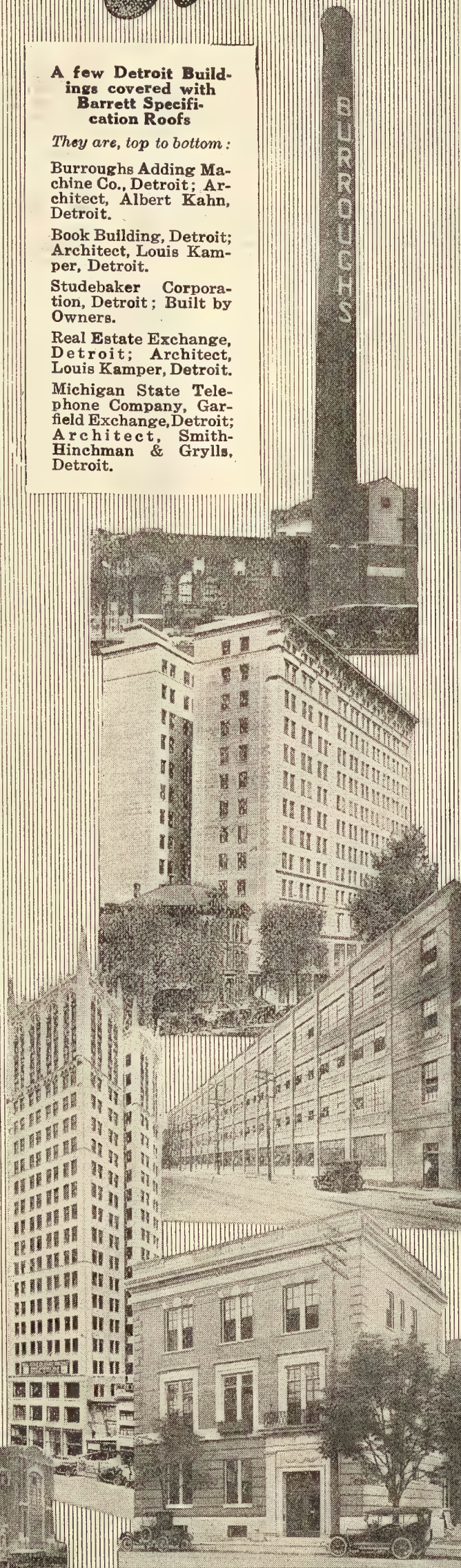
Studebaker Corporation, Detroit; Built by Owners.

Real Estate Exchange, Detroit; Architect, Louis Kamper, Detroit.

Michigan State Telephone Company, Garfield Exchange, Detroit; Architect, Smith-Hinchman & Grylls, Detroit.



At left, Hamtramck High School, Hamtramck, Mich. Architect, Geo. T. Hass, Detroit.





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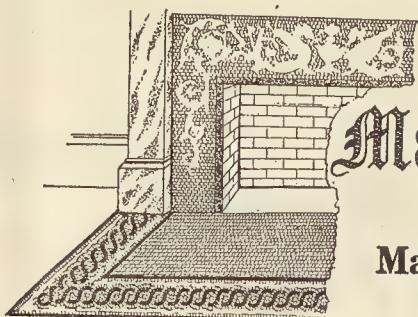
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Garage, 427 Carpenter street. Architect, I. W. Levin, 2434 South Eighth street. Owners, Rosen Bros., on premises. Brick, 2 stories, 40x120 feet, slag roof, cement and plank floors, stone and concrete foundations, steam heating, electric lighting, structural steel, 1 electric elevator, hollow metal skylights, gasoline storage system. Owners are taking sub-bids.

Trestles, Philadelphia. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner's name withheld. Concrete trestle, 254 feet. Architect is ready for bids.

Dwellings to Apartments (alts.), 1918-20 N. Seventeenth street, \$6,000. Architect, Harry Beck, 2015 North Seventeenth street, Philadelphia. Owners, Harry and Bessie S. Beck, on premises. General alterations, changing dwelling into apartments. Owner will build.

Dwellings (7), Eleventh and Wingohocking streets, \$56,000. Architect, private plans. Owner, Maurice Rose, Widener Building. Brick, 3 stories, 16x34 feet, 16x26 feet, slag roof, electric lighting, hot water heating, hardwood floors. Owner will build.

Dwelling (alts.) to Store and Chicken Slaughter House, 915 North Marshall street. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, M. Rutberg, 734 South Fourth street, Philadelphia. Brick, 2 stories, 20x82 feet, slag roof, plumbing, electric lighting, tile work, cement work, flush bulk. Owner will be ready for bids in a few days.

Residences (8), Logan, Philadelphia, \$10,000. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, Solomon Bros., 824 Snyder avenue. Tapestry brick and stucco and stone, 2 stories, 16x70 feet, stone foundation, Spanish tile and slate roofs, oak floors, hot water heating, electric lighting, tile and marble work, grate tile, Indiana limestone trim. Plans in progress. Owner will be ready for sub-bids in two weeks. Four corner and 4 adjoining houses.

Residences (27), Tenth and Wyoming avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, I. W. Miller, 1410 Jackson street, Philadelphia. Brick, 2 stories, 16x53 feet (garages in basements), slag and slate roof, stone foundations, hot water heating, electric light,

tile and marble work. Owner will take sub-bids in one week.

Residence and Store (alts. and add.), 4076 Lancaster avenue. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, A. Berman, on premises. Brick and terra cotta, 3 stories, 16x84 feet, general remodeling, electric wiring and fixtures, hot water heating, tile and marble work, flush bulks, hardwood floors. Architect will take bids in a week.

Office (add.), Tenth and Luzerne streets, Philadelphia, \$16,000. Architect, private plans. Owners, P. R. T. Co., 810 Dauphin street, Philadelphia. Brick, second story addition, 35x75 feet, 2 stories, 16x35 feet, slag roof. Owners will build.

Residence, St. Martins, Philadelphia. Architect, private plans. Owner's name withheld. Stone, 2½ stories, 60x30 feet, shingle roof, hot water heating, oak floors, electric lighting, tile work. F. B. Davis, 240 North Sixteenth street, taking sub-bids, due April 7th.

Convent, Sixth and Tioga streets, Philadelphia, \$40,000. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, St. Veronica's R. C. Church, care of Rev. J. J. Donnelly, on premises. Stone and brick, 3 stories, 45x110 feet. Plans in progress.

Garage, 911-13-15 North Second street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, D. Ladenson, 1039 South Fifth street, Philadelphia. Brick and stone and steel (slow burning), 1 and 2 stories, 125x250 feet, slag roof, stone foundation, steam heat, electric lighting, plumbing, cement and 3-inch plank floors, hollow metal sash and skylights, flush bulks, fireproofing, gasoline storage system. Will be ready for bids in one week.

Residence, 911 North Second street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, D. Ladenson, 1039 South Fifth street. Brick (tapestry), 2 stories, 20x65 feet, slag roof, hardwood floors, electric lighting, hot water heating, tile and marble work, cabinet work, cement work. Will be ready for bids in one week.

**Contracts Awarded**

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Fire Station, Q. M. Interior Depot, Twenty-second and Oregon avenue. Architect, private plans. Owner, Construction Division, War

Department, Washington, D. C. Hollow tile and stucco, 2 stories, 27 feet 4 inches x 27 feet 4 inches, ready roof, concrete foundations,



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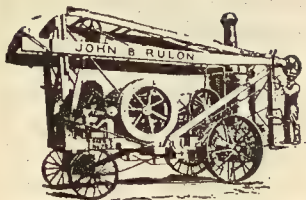
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steam heat, electric light, metal lath, roof ventilators, dampproofing. Contract awarded to Edward Fay & Son, 2 South Mole street, Philadelphia, \$6,000.

**Roof and Skylight Repairs**, City Hall, Philadelphia. Architect, Joseph A. Roletter, City Hall, Philadelphia. Owner, City of Philadelphia, Bureau of City Property, 216, City Hall. Consists of general repairs to roof and skylights. Contract awarded to A. & G. Boehm, Fifteenth and Federal streets.

**Cellar Floor**, Independence Hall, Philadelphia. Owner, City of Philadelphia, Bureau of City Property, 216, City Hall. Cement work. Contract awarded to C. A. Conan, 133 North Vodges street, West Philadelphia.

**Dwelling (alts.)**, 128 South Sixtieth street, \$4,500. Architect, private plans. Owner, Serparke Colpacion, 5926 Walnut street, Philadelphia. Brick, alterations, 2 story front add. 16x8 feet, second story rear add. 16x10 feet, slag roof. Contract awarded to A. M. Mahjoubian, 5926 Walnut street.

**Mausoleum**, Mt. Sinai Cemetery, Philadelphia, \$8,000. Architect, Le Roy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, Paul Steinberg, 214 South Front street, Philadelphia. Marble and Barre granite, bronze doors (art stained glass windows reserved). Contract awarded to Adler's Monument and Granite Works, 148 East Fifty-seventh street, New York City.

**Factory (rebuilding)**, Tenth and Nevada streets, \$90,000. Architect, private plans. Owners, A. Colburn & Co., 2228 North Tenth street, Philadelphia. Brick, 4 stories and basement, 60x220 feet, slag roof, concrete footing, rolled steel sash, fire and kalamein doors, ornamental iron work. Contract awarded to F. L. Hoover & Sons, Inc., 1023 Cherry street.

**Stores (alts.)**, 1007-09-11 Market street, \$10,000. Architect, private plans. Owner, Estate of John Dobson, 809 Chestnut street, Philadelphia. New flush bulk, fireproof partitions. Contract awarded to E. H. Keefer & Son, 1321 Rodman street.

**Store (alts.)**, southeast corner Seventh and Arch streets, Philadelphia. Architect, private plans. Owner, M. Goldberg & Son, on premises. Flush bulk, copper work, plate glass. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

**Shop**, Twenty-third and York streets, \$41,000. Architect, private plans. Owners, Fretz Gross & Co., Twenty-second and Sedgley avenue. Brick, concrete and steel, 1 story, 75x192 feet, composition roof, steel sash and skylights, cement floors, electric lighting. Contract awarded to Austin Co., Bulletin Building, Philadelphia.

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**Store (alts.)**, 1501 Walnut street, Philadelphia. Architect, private plans. Owner's name withheld. Metal lath, plastering, electric lighting, painting, plumbing, leaded glass. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

**Bungalow**, Valley Forge, Pa., \$5,000. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Wm. Colthier, 131 S. Fourth street, Philadelphia. Frame and stucco, 1 story, 41x28 feet, shingle roof, stone foundations, hot air or pipeless heater, yellow pine floors. Contract awarded to Wills-Ludwick Co., 1708 Sansom street.

**Tank Tower Supports**, Eighth and Market streets. Owners, Lit Brothers, Eighth and

Market streets, Philadelphia. Steel and lumber. Contract awarded to Lam Building Co., 1001 Wood street.

**Babies' Hospital**, Seventh and Delancey streets, Philadelphia. Architect, C. A. Ziegler, Bailey Building, Philadelphia. Owners, Babies' Hospital of Philadelphia, care of Mr. Davidson, 1713 Walnut street. Brick and stone, fireproof, 8 stories, 41x91 feet, slate and cement roof, stone foundations, steam heating, electric lighting, tile and marble work, rolled steel sash, fire doors, cement and composition floors, metal lath, elevators, metal window guards, waterproofing. Contract awarded to Wark & Co., 1737 Filbert street, Philadelphia.

## PENNSYLVANIA

## Construction News

**Apartment and Store (add.)**, Langhorne, Pa. Architect, Thomas Stephen, Temple Building, Camden, N. J. Owner, name withheld. Brick, 2 stories, 55x40 feet, slag roof, stone foundations, electric and gas lighting, maple floors. Plans in progress.

**Residence and Service Building**, St. Davids, Pa. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building. Owner, name withheld. Stone, brick and hollow tile, 2 stories, 70x47 feet 4 inches, garage, 1 story, 24x37 feet, living quarters, 2 stories, 30x17½ feet, greenhouse, 1 story, 18x20 feet, slate, slag, tin and canvas roofs, oak North Carolina pine and cement floors, stone foundations, Webster Modulation and hot water heating, tile and marble work, ornamental iron work, hollow tile, metal lath, waterproofing. Architects taking bids due April 5th. Milton W. Young, Overbrook, Phila.; Charles C. Pace, Merion, Pa.; Specht & Sperry, Heed Building, and J. D. Lingle, Wayne, Pa., are figuring.

**Garage and Coachman's Cottage**, Drexel Hill, Pa. Architect, F. G. Caldwell, Stephen Girard Building, Philadelphia. Owner, F. B. Snyder, 315 Chestnut street, Philadelphia. Terra cotta, 2 stories, 36x23 feet, stone foundations, cement floors (hot water heating reserved). Architect taking bids due April 2d. F. B. Davis, 240 North Sixteenth street; Frank G. Stewart, 1619 Sansom street; Pomeroy Const. Co., 1609 Ransstead street, and J. Howard Roberts, Lansdowne, Pa., are figuring.

**Chapel**, 328 East Market street, Chester,

Pa. Architect, C. Brazer, Crozer Building, Chester, Pa. Owner, Baptist Church, care of Dr. Hobart, Crozer Seminary, Chester, Pa. Terra cotta, tile and stucco, 1 story, 73x34 feet, slag roof, pine floors, electric lights. Architect is taking bids.

**Stores (2) and Garages (10)**, Seventeenth and Providence streets, Chester, Pa. Architect, C. Brazer, Crozer Building, Chester, Pa. Owner, C. L. Bloom, Chester, Pa. Brick, 1 story, 120x50 feet, slate roof, stone foundations, electric lighting, cement floors. Plans in progress.

**Church**, near West Chester, Penna. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Rev. Chester Heights, Wilmington, Del. Stone, 30x50 feet, tile roof, tile floors, hot air heating, electric lighting. Architect taking bids due as soon as possible. Joyce & Kerrigan, Charles J. Dougherty, J. A. Bader, all of Wilmington, Del., and P. J. Corcan, of West Chester, Pa., are figuring.

**Garage (alts.)**, Ashbourne road, Elkins Park, Pa. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, Charles Silverman, Elkins Park, Pa. Stone, 2 stories, 36x24 feet, slate roof, plumbing, heating, electric lighting. Architect taking additional bids from A. R. Raff Cont. Co., 1635 Thompson street; J. Sims Wilson Co., 1125 Brown street, Philadelphia, and W. John Stevens, Inc., Wyncote, Pa.

**Residence and Garage**, Springfield, Pa. Architect, Frank V. Nickels, 4400 Manayunk

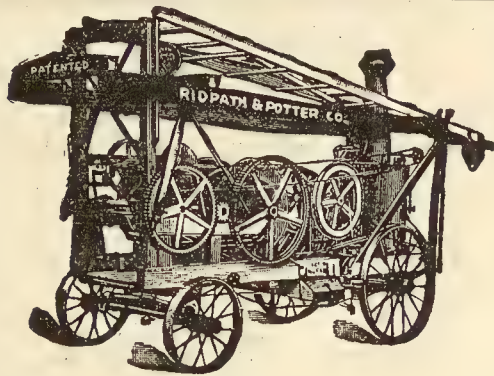
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avenue, Philadelphia. Owner, name withheld. Hollow tile and stucco, 2½ stories, 28x53 feet and 1 story 12x20 feet, shingle roof, stone foundations, hot water heating, electric lighting, tile work, oak floors. Plans in progress.

**Bungalow**, Chester, Pa. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, Charles S. McCoy, Chester, Pa. Brick and hollow tile, 1½ stories, 38x40 feet, asbestos shingle roof, concrete foundations, oak and yellow pine floors, tile work, electric lighting. Owner is taking sub-bids on all lines.

**Bridge**, Shickshinny and Pittston, Pa., \$200,000. Engineer, D. E. Keefe, Athens, Pa. Owner, County Commissioners of Wilkes-Barre, Pa. Reinforced concrete, new piers, 28 feet wide, 20-foot roadway (2) 4-foot walks. Plans in progress.

**Residence (alt.)**, South Franklin street, Wilkes-Barre, Pa. Architects, Knapp & Bosworth, 15 South Franklin street, Wilkes-Barre, Pa. Owner, Roger Williams, South Side Bank, Wilkes-Barre, Pa. Brick, 2½ stories, general interior alterations. Plans in progress.

**Garage**, Hazleton, Pa., \$25,000. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre. Owner, Charles Rice, Hazleton, Pa. Brick, 3 stories, wire glass, plate glass, kawneer bar, concrete and brick work. Plans in progress. Owner will take sub-bids.

**Store (alt. and add.)**, South Maine street, Wilkes-Barre, Pa. (remodeling). Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, name withheld. Brick, 2 stories, 55x15 feet, slag roof, stone foundations, electric lighting, tile work, wood floors, plate glass, etc. Plans in progress. Architect will take bids in about one week.

**Restaurant (int. alts.)**, Drinker street, Scranton, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, J. Stein, 105 East Drinker street, Scranton, Pa. Kitchen equipment, billiard tables, mirrors, tile work, etc. Owner is taking sub-bids.

**Residence (alt.)**, 105 Drinker street, Scranton, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, J. Stein, 105 Drinker street, Scranton, Pa. Brick, general interior alterations, hardwood floors. Owner is taking sub-bids.

**Garage**, Carbondale, Pa., \$25,000. Architects, Morris & McHale, Burr Building, Scranton, Pa. Owner, Bartholomans Brothers, Forest City, Pa. Fireproof, 3 stories, 60x70 feet, slag roof, cement floors, electric lighting, gasoline storage system. Plans in progress.

**Residence**, Lancaster, Pa. Associated architects, Duhring & Zeigler, Bailey Building, Philadelphia, and John B. Hamme, York, Pa. Owner, name withheld. Stone. Plans in progress. Too early for details.

**Residence and Garage**, Merion, Pa. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building. Owner, T. O. Bretherton, Widener Building, Philadelphia. Hollow tile and plaster, 2½ stories, 48x26 feet, wing 18x20 feet, garage 18x22 feet, slate or shingle roof, oak floors, stone foundations, vapor vacuum heating, electric lighting, tile work, oak floors. Architects ready for sub-bids.

**Residence**, Merion, Pa. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building. Owner, Barton Levin, 30 South Delaware avenue, Philadelphia. Hollow tile and plaster, 2½ stories, 72x28 feet, garage 18x20 feet, stone foundations, vapor vacuum heating, electric lighting, tile work, oak floors, shingle roof. Architects ready for sub-bids.

**Residence and Garage**, Haverford, Pa. Architect, Frank Seeburger, 1524 Chestnut street, Philadelphia. Owner, Frederick T. Chandler, Jr., 1338 Chestnut street, Philadelphia. Stone and frame, 2½ stories, 66x32 feet, wing 29x17 feet, garage and servants' quarters, 38½x22 feet, 1 story, shingle roof, oak and cement floors, stone foundations, tile work (heating, plumbing and electric lighting reserved). Architect taking bids due April 7th. Pomeroy Const. Co., 1609 Ranstead street; William R. Dougherty, 1610 Sansom street, and Milton W. Young, Overbrook, Pa., are figuring.

**Residence**, Ridley Park, Pa. Architect, private plans. Owner, William H. Wright, 5133 North Fifteenth street, Philadelphia. Stone and plaster, 2½ stories, 39x25 feet, wing 28x12 feet, shingle roof, oak and composition floors, hot water heating, electric lighting, tile work. Pomeroy Const. Co., 1609 Ranstead street, is taking sub-bids due April 7th.

**Manse**, Drexel Hill, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Drexel Hill Presbyterian Sunday School, Drexel Hill. Stone and timber, 2½ stories, 27x35 feet, shingle roof, stone foundations, electric lighting, tile work. Architects taking bids. Harry W. Koch, Drexel Hill, Pa.; J. Howard Roberts, Lansdowne, Pa.; Wills-Ludwick Co., 1708 Sansom street, and F. B. Davis, 240 North Sixteenth street, are figuring.

**Sanitarium Building**, Eaglesville, Pa. Architects, Simon & Simon, 249 South Juniper

street, Philadelphia. Owner, Eaglesville Sanitarium, care of Mr. Schwab, Keystone State Const. Co., Franklin Bank Building, Philadelphia. Frame, 1 story, 25x40 feet, shingle roof, electric lighting, cement work, heating and plumbing. Owners, care of Mr. Schwab, are taking bids due April 2nd. F. L. Hoover & Sons, 1023 Cherry street; P. M. Sax, Franklin Bank Building, Philadelphia, and Frank R. Heavner, Norristown, Pa., are figuring.

**Residence**, southeast corner School and Mason avenues, Drexel Hill, Pa. Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, Charles E. Friel, care of architect. Hollow tile and stucco, 2½ stories, 26x42 feet, shingle and canvas roof, hardwood and composition floors, hot water heating, combination lighting. Plans about completed. Will be ready for bids in a few days.

**Residences (6)**, Narberth, Pa. Architects, Wallace & Warner, 1012 Walnut street, Philadelphia. Owner, A. C. Shand, Jr., Commercial Trust Building, Philadelphia. Stone and frame, 2½ stories, 25x40 feet, slate and shingle roof, stone foundations, hot water heating, electric lighting, tile work, hardwood floors, gas ranges. Owner is ready for sub-bids. (First (6) of operation.)

**Residence and Garage**, Latham Park, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, name withheld. Stone and stucco, 2½ stories, 45x75 feet, garage, 1½ stories, 22x35 feet, slate roof, hot water heating, electric lighting. Architect will take bids in a week.

**State Roads**, Pennsylvania, Pa. Engineers, private plans. Owner, State of Pennsylvania, State Highway Department, Harrisburg, Pa. Lowest bids submitted by:—

Armstrong County, East and West Franklin Townships, Route No. 71, length 21,680 feet, reinforced concrete and Hillside vitrified brick pavement. Freilino Brothers, Leechburg, Pa., \$191,231.

Berks County, Perry and Windsor Townships, Route No. 160, length 10,800 feet, reinforced concrete and Hillside vitrified brick pavement. Lowest bid submitted by George Merdinger, Bethlehem, Pa., \$86,765.58.

Bradford County, North Towanda and Ulster Townships, Route No. 287, length 31,700 feet, reinforced concrete pavement. Lowest bid submitted by Warren-Moore Co., Philadelphia, Pa., \$297,615.58.

Clinton County, Chapman Township, Route No. 105, length 13,740 feet, reinforced concrete pavement. Lowest bid submitted by Miller Const. Co., Punxsutawney, Pa., \$108,746.20.

Centre County, Phillipsburg Borough, Route No. 57, length 676 feet, vitrified brick pavement. Lowest bid submitted by Gifford & Pritchard, Phillipsburg, Pa., \$12,891.19. Cambria County, Croyle Township, Route No. 276, length 4,983 feet, vitrified brick pavement. Lowest bid submitted by Board of Supervisors, Croyle Township, Cambria County, Wilmore, Pa., \$54,843.38.

Crawford County, West Mead and Woodcock Townships, Route No. 84, length 17,693

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feet, reinforced concrete pavement. Lowest bid submitted by Baldwin & Welcomer, Union City, Pa., \$114,759.08.

Erie County, Mill Creek and Summit Townships, Route No. 84, length 15,918 feet, bituminous surface course on a concrete foundation. Lowest bid submitted by Joseph McCormick & Sons, Erie, Pa., \$149,467.20.

Elk County, Ridgway Township, Route No. 97, length 29,667 feet, reinforced concrete and Hillside vitrified brick pavement. Lowest bid submitted by Miller Const. Co., Punxsutawney, Pa., \$249,176.00.

Franklin County, Greene and Guilford Townships, Route No. 43, length 30,086 feet, reinforced concrete pavement. Lowest bid submitted by Souder Const. Co., Lancaster, Pa., \$186,528.36.

McKean County, Kane Borough, Route No. 95, length 1,957 feet, vitrified brick pavement. Lowest bid submitted by Peter F. Connolly, Koppel, Pa., \$20,785.40.

Mercer County, Pine Township, Route No. 73, length 23,912 feet, reinforced concrete pavement. Lowest bid submitted by Brackenridge Sand & Gravel Co., Brackenridge, Pa., \$154,790.52.

Northampton County, Washington and Lower Mt. Bethel Townships, Route No. 165, length 28,791 feet, reinforced concrete pavement. Lowest bid submitted by McArthur Bros., New York, N. Y., \$318,499.85.

Potter County, Roulette Township, Route No. 101, length 11,800 feet, reinforced concrete pavement. Lowest bid submitted by Tyne & Willey, Binghamton, N. Y., \$99,061.70.

Warren County, Farmington Township, Application No. 154, reinforced concrete and Hillside vitrified brick pavement. Lowest bid submitted by Martin Dolan, Jamestown, N. Y., \$70,611.91.

Bungalow, Edgely, Pa. Architect, H. A. Hill, Broad Street Bank Building, Trenton, N. J. Owner, Wm. Woodhouse, 835 W. State street, Trenton, N. J. Brick and frame, 2 stories, 38x48 feet, slate roof, pine floors, electric lighting, tile work. Owner will be ready for bids in a few days.

Residence and Garage, Glenside, Pa. Architects, Seeburger & Rabenold, Weightman Building, Philadelphia. Owner, Wm. E. Anderson, Denckla Building. Brick and stone, plastered, 2½ stories, 26x44 feet; garage, 19x13 feet, stone foundations, hot water heating, electric lighting, oak and cement floors, tile and marble work. Architects taking bids, due April 5th. Specht & Sperry, Heed Building; A. Zellfelder, 151 South Broad street; W. John Stevens, Inc., Wyncote, Pa., and Grover Krewson, Glenside, Pa., are figuring.

High School, Bethlehem, Pa. Architect, Verus T. Ritter, North American Building, Philadelphia. Owners, Board of Education, Bethlehem, Pa. Brick, concrete, stone and steel, 4 stories, 250x300 feet, composition roof, cement and composition floors, steam heating, electric light, hollow tile, metal lath, 1 passenger elevator, safety treads, iron stairs. Architect will be ready for bids in three weeks.

School, West Side, Bethlehem, Pa. Architect, Verus T. Ritter, North American Building, Bethlehem, Pa. Owners, Board of Educa-



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tion, Bethlehem, Pa. Brick, concrete and stone, 2 stories, 150x200 feet, composition roof, cement and wood floors, warm air heating, electric lighting, terrazzo work. Architect will be ready for bids in three weeks.

Operation of Houses, Twelfth and Central avenue, Chester, Pa. Architect, E. Allen Wil-

son, 1208 Chestnut street, Philadelphia. Owner, Robert Wetherill, Jr., Crozer Building, Chester, Pa. Brick, stone and stucco, 2 stories, groups of four, 16x31 feet and 16x32 feet, slag roof, stone foundations, hot air heating, electric lighting, gas ranges, yellow pine floors. Owner is ready for sub-bids.

## PENNSYLVANIA

## Contracts Awarded

Church, Buttonwood, Pa. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, St. Francis' Roman Catholic Church, care of Rev. E. A. Zwadoki, Plymouth, Pa. Frame, 1 story, 35x75 feet, asbestos roof. Contract awarded to Martin Bohinski, Buttonwood, Pa.

Residence (alts.), 523 Diamond avenue, Hazleton, Pa., \$5,000. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, A. H. Mason, on premises. Porches changed, general interior alterations, hardwood floors, plate glass. Contract awarded to F. W. Thomas, 602 Locust street, Hazleton, Pa.

Office (alt.), Public Square and South Market street, Wilkes-Barre, Pa. Architect, L. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, E. B. Davidlow, Davidlow Building, Wilkes-Barre, Pa. Alterations to first and second floors, plate glass, art glass, copper work, tile and marble work, store fix-

tures. Owner and W. J. Smith, Wilkes-Barre, Pa., are taking sub-bids.

Store Building, 209 West Washington street, Scranton, Pa. Architect, D. A. Morgan, Connell Building, Scranton, Pa. Owner, Mary J. Kiesel, 516 Lackawanna street, Scranton, Pa. Steel structure, 2 stories and basement, 40x160 feet, slag roof, steam heating, electric lighting, wood floors, tile and marble work, hollow metal sash and skylights, roof ventilators. Contract awarded to L. D. Stipp, Scranton, Pa., who is taking sub-bids.

School, Summit Hill, Pa. Architect, J. J. Howley, Scranton, Pa. Owner, Summit Hill District, care of Daniel Davis, Summit Hill, Pa. Plumbing, heating and electric work. Contract awarded to Andrew Breslin, Scranton, Pa.

School, Dunmore street, Throop, Pa. Architect, J. J. Howley, Scranton, Pa. Owner, School Board of Throop, Lincoln Exchange Building, Throop, Pa. Frame, 2 stories, 40x62

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feet, steam heating, electric lighting, roof ventilators, metal weather strips, fire escapes. Contract awarded to Andrew Breslin, Scranton, Pa.

**Armory (add.)**, Reading, Pa. Architects, Muhlenberg Bros., 511 Penn street, Reading, Pa. Owner, Commonwealth of Pennsylvania, State Armory Board, Harrisburg. Brick and stone, 2 stories and basement, 35x66 feet, slag roof, wood floors, steam heating, electric lighting, tile and marble work. Contract awarded to Andrew J. Fink, Reading, Pa. Brownstone, \$29,400.

**Armory (alts.)**, Pottstown, Pa., \$2,651. Architect, private plans. Owner, Armory Board of Pennsylvania, Adjutant General's Office, Harrisburg. General alterations and repairs. Contract awarded to F. H. Kaiser, Pottstown, Pa.

**Incline and Alterations to Armory**, West Chester, Pa., \$4,600. Architect, Philip H. Johnson, Presser Building, Philadelphia. Owner, Armory Board of Pennsylvania, Adjutant General's Office, Harrisburg. Granolithic floor, vitrified block incline, brick work, concrete foundations, steel tube doors. Contract awarded to William H. Jones, West Chester, Pa.

**Armory**, Tyrone, Pa., \$55,888. Owner, Armory Board of Pennsylvania, Adjutant General's Office, Harrisburg. Contract awarded to E. A. Weir, Pittsburgh, Pa.

**Garage**, Delaware avenue and Partridge avenue, Ridley Park, Pa. Architects, Seeburger & Rabenold, Pennsylvania Building, Philadelphia. Owner, T. P. Ward, 226 Henderson avenue, Ridley Park, Pa. Stone, 1

story, 21x26 feet, slate roof, cement floor, hot water heating, electric lighting. Contract awarded to Pomeroy Const. Co., 1609 Ranstead street.

**Post Exchange**, Thirty-fourth and Pine streets, Philadelphia, \$4,000. Architect, private plans. Owner, American Red Cross, Sixteenth and Walnut streets, Philadelphia. Frame, 1 story, ready roofing. Contract awarded to Edward Fay & Son, 2 South Mole street, Philadelphia.

**Dwelling**, Overbrook avenue, south of City Line, Philadelphia, \$20,000. Architect, private plans. Owner, Morris Estate, care of Henry P. Wright, Overbrook, Philadelphia. Stone, 3 stories, 45½x38 feet, wing 16x11 feet, shingle roof, hot water heating, electric lighting, oak floors, tile work. Contract awarded to Alfred James, Bala, Pa.

**School**, Boulevard School, Throop, Pa. Architect, J. J. Howley, Scranton, Pa. Owner, School Board of Throop, Lincoln Exchange Building, Throop, Pa. Frame, 2 stories, 40x60 feet, slag roof, pine floors, steam heating, electric lighting, pine floors, fire escapes, roof ventilators, metal weather strips. Contract awarded to Hagen Lumber Co., Scranton, Pa.

**Residence**, Lower Merion Township, Pa., \$12,000. Architect, private plans. Owner, Harry Dunsen, Heed Building, Philadelphia. Stone and stucco, 3 stories, 28x50 feet, asbestos shingle roof, oak floors, stone foundations, hot water heating, electric lighting, tile work and marble work. Contract awarded to Davis & Clayton, 1817 North Twentieth street.

## NEW JERSEY

# Construction News

**School**, Perth Amboy, N. J., \$125,000. Architects, E. F. Durang Co., 1220 Locust street, Philadelphia. Owners, St. Stephen's R. C. Church, Perth Amboy, N. J. Stone, 3 stories, 60x135 feet, slate roof, stone foundations (16 class rooms and auditorium). Plans in progress.

**Parochial School**, Broadway and Ferry avenue, Camden, N. J., \$70,000. Architects, Berry & Comiskey, 48 Ashly Road, Upper Darby, Pa. Owners, Sacred Heart R. C. Church, care of Rev. J. B. McCloskey, on premises. Brick and limestone, 2 stories (8 class rooms and auditorium), slag roof, reinforced concrete and wood floors, electric lighting, stone foundations. Plans about completed. Architects will be ready for bids in a few days.

**Cottage**, Lumberton, N. J. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, B. Franklin Clayberger, Lumberton, N. J. Frame, 2½ stories, 34x29 feet, shingle roof, oak floors, hot air heating, electric lighting. Architects taking an additional bid from Wills-Ludwick Co., 1708 Sansom street, Philadelphia.

**School**, New Brunswick, N. J. Architect, Alex. Merchant, 363 George street, New Brunswick, N. J. Owners, Board of Education of New Brunswick, Middlesex County, N. J. Brick and ornamental terra cotta, 2 stories, 100x100 feet, wing 50x50 feet, J. M. asbestos roof, concrete floors, hollow tile, rolled steel sash, fire escapes. Owners taking bids, due April 2nd. Hughes-Foulkrod Co., Commonwealth Building, Philadelphia, are figuring.

**Bank (add.)**, Fourth and Federal streets, Camden, N. J., \$60,000. Architect, Thomas Stephen, Temple Building, Camden, N. J.

Owner, Central Trust Bank, on premises. Marble, 1 story, 100x100 feet, steel and copper roof, marble and mosaic floors, electric lighting, tile, marble and terrazzo work, iron sash, bank fixtures, copper ventilators. Plans in progress.

**Bungalow**, Bridgeton, N. J., \$6,000. Architect, Custer & Gill, 304 Market street, Camden, N. J. Owner, name withheld. Frame, 1 story, 42x24 feet, shingle roof, pipeless heater, pine floors. Preliminary plans in progress.

**Theatre**, Vineland, N. J. Architect, not selected. Owner, William Lubin, care of Lubin Grand Theatre, Landis avenue, Vineland, N. J. Work contemplated.

**Home (add.)**, Haddon and Spruce streets, Camden, N. J., \$6,000. Architect, private plans. Owner, Child's Home, on premises. Hollow tile and steel, 2 stories, 40x40 feet, Flint Kote shingle roof, pine floors, electric lighting. Plans in progress.

**Y. M. H. A. Bldg.**, Sixth and Walnut streets, Camden, N. J., \$15,000. Architect, private plans. Owner, Y. M. H. A., care of Samuel Mackler, Chairman, on premises. Brick and steel, auditorium and basement, 55x60 feet, slag roof, stone foundations, plumbing, hollow metal skylights, roof ventilators, wire work. Owners taking bids due April 5th. Mockett Const. Co., Sixth and Market streets, Camden, N. J., is figuring.

**Bank Building**, Broadway, Camden, N. J., \$200,000. Architect, Philip J. Merz, Pennsylvania Building, Philadelphia. Owner, Broadway Trust Company, Camden, N. J. Indiana limestone, 2 stories, 77x63 feet. Plans in progress.

**Roads**, Mullica Hill and Mantua Section,

Gloucester County, N. J. Architect, private plans. Owner, State Highway Commission, Trenton, N. J. 5½ miles of concrete, 6-inch gravel fill. Owners taking bids due April 11th. Warren-Moore Co., Colonial Trust Building, figuring.

**Commercial Building**, 914-16 Broadway, Camden, N. J. Architect, private plans. Owner, Dr. I. S. Siris, Broadway and Cherry street, Camden, N. J. Brick and terra cotta, 3 stories, 26x80 feet, slag roof, maple floors, steam heating, electric lighting, tile and marble work, concrete, iron and copper work, plate glass. Owner is taking bids due April 3rd. Mockett Const. Co., Sixth and Market streets, Camden, N. J., is figuring.

**Paving, etc.**, Gloucester Housing Project, Noreg Village, N. J. Engineer, William H. Boardman, 426 Walnut street, Philadelphia. Owner, United States Shipping Board, on premises. Cement and concrete work, street pavements, curbs, gutters, street and house walks, etc. Engineer taking bids due April 7th at noon. Plans may be obtained from engineer's office, 426 Walnut street, Philadelphia.

**Store and Office Building (alt. and add.)**, 17 West State street, Trenton, N. J., \$10,000. Architect, W. H. Hawkins, 942 Cartaret street, Trenton, N. J. Owner, Hildebrecht Estate, care of Charles Hildebrecht, 19 West State street, Trenton, N. J. 3 stories, 20x60 feet. Architect taking bids due April 9th. Joseph H. Morris, Broad Street Bank Building, and Charles Y. Barlow, 114 North Montgomery street, Trenton, N. J., are figuring.

**Houses (6)**, 27-29-31-33-35-37 Laurel avenue, Trenton, N. J., \$15,000. Architect, private plans. Owner, W. J. Morris, Broad Street Bank Building, Trenton, N. J. Brick, 2½ stories, slag roof, pine floors, steam heating, electric lighting. Owner will build.

**Theatre (remodeling)**, Hudson and South Broad streets, Trenton, N. J. Architect, private plans. Owner, Hildinge Enterprises, Hanover street, Trenton, N. J. Raising roof, new seats, changing entrance to auditorium in basement. Plans in progress.

**Store Front (alts.)**, North Broad street, Trenton, N. J. Owner, W. Kleeman, First National Bank Building, Trenton, N. J. Owner, Home Furniture Co., Trenton, N. J. Plate glass and general alterations. Plans in progress.

**Store (alts.)**, 127-29 East State street, Trenton, N. J., \$100,000. Architect, not yet selected. Owners, Nevins Bros. Co., care of A. C. Nevins, on premises. Brick, 5 stories, 40x100 feet. Will select architect about May 1st.

**Residences (2)**, Elmherst avenue, Trenton, N. J. Architect, William Kleeman, First National Bank Building, Trenton, N. J. Owner, Miss Carrie Hayes, Yards Department Store, Trenton, N. J. Brick, 2½ stories, 42x33 feet, slate roof, stone foundations, steam heat, electric lighting, tile work, hardwood floors. Plans in progress. Architect will take bids in one week.

**Alum Plant**, Brunswick avenue, Trenton, N. J. Architect, J. O. Hunt, 114 North Montgomery street, Trenton, N. J. Owner, City Water Department, Trenton, N. J. Brick and reinforced concrete, 2 stories, 40x80 feet, slate roof, electric lighting, reinforced concrete floors. Owners, care of City Commissioners, taking bids due April 11th.

**Hotel**, Wrightstown, N. J., \$85,000. Architect, J. O. Hunt, 114 North Montgomery avenue, Trenton, N. J. Owner, Benjamin Lavine, Wrightstown, N. J. Brick and terra cotta, 2 stories, 50 rooms, F shape, slag roof, composi-

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tion and pine floors. Architect will be ready for bids in two weeks.

**Hotel**, West State and Willow streets, Trenton, N. J., \$1,000,000. Architects, Eisen Wien Johnson, Buffalo, N. Y. Owner, Hotel Realty Co., care of M. G. Rockhill, Trenton, N. J. 100x200 feet, 280 rooms and baths. Associated architects, J. O. Hunt and W. A. Klemann, Trenton, N. J.

**Paving, Curbing and Concrete Work**, Yorkship Village, Camden, N. J. Owners, Fairview Realty Co., Administration Building, Yorkship Village. Six miles of macadam paving, 2 miles concrete street paving, 4 miles of concrete alley paving, curbs, gutters, sidewalks, front and rear house walks and steps for about 1,600 houses. Lowest bidders: Arthur McMullen Co., Finance Building, \$477,047.52, 150 days; Hugh Nawn Const. Co., Camden, N. J., \$466,507.77, 240 days; J. S. Rogers Co., Drexel Building, Philadelphia, \$473,699.23, 300 days.

**Factory (add.)**, Sixth and Jefferson streets, Camden, NN. J. Owner, Samuel Langston Co., on premises. Architect, private plans. Brick and concrete, 1 story, 44x47 feet, slag roof, concrete floors, steel sash, hollow metal skylights. Contract awarded to Mockett Const. Co., Sixth and Market streets, Camden, N. J.

## Miscellaneous Construction News

**Factory**, Thompson, Nelson avenues and Mount and Manly streets, Long Island City, N. Y., \$2,000,000. Architects, Ballinger & Perrot, 17th and Arch streets, Phila. Owners, American Chicle Co., 19 West Forty-fourth street, New York City. Reinforced concrete and steel, 5 and 6 stories, 200x600 feet, composition roof, concrete floors, steam heating, electric lighting, tile work, rolled steel sash, fire doors, ornamental iron work, elevators. Plans in progress. Architects will be ready for bids in a few weeks.

**Building No. 42 (add.)**, Spec. 3799, Portsmouth, N. H., \$80,000. Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Steel frame, brick, 2 stories, 57x146 feet, asbestos roof, concrete floors, hot water heating, rolled steel sash, hollow tile, elevators. Owners taking bids, due April 14th. Hughes Foulkrod Co., Commonwealth Building, Philadelphia, are figuring.

**Houses (10)**, Bessemer City, N. C. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, E. E. Ganbrill, Bessemer City, N. C. Frame, 2 stories, 40x45 feet, asbestos roof, wood floors, electric lighting. Owner will take sub-bids.

**Garage (add.)**, Guinecourt, Del., \$8,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, V. DuPont, Guinecourt, Del. Hollow tile and stucco, 25x25 feet, tin roof, concrete floors. Architect will take bids in one week.

**Church**, Ashland, Ky. Architect, Verus T. Ritter, North American Building, Philadelphia. Owner, First Methodist Episcopal Church, Ashland, Ky. Brick, 1 story, 140x100 feet, slate roof, steam heating, electric lighting, tile work, oak floors. Plans in progress. Will take bids in three weeks.

**Barracks (add.)**, West Point, N. Y., \$468,000. Architect, private plans. Owner, United States Government, Army Department, West Point, N. Y. Stone and concrete, 4 stories, 240x50 feet, copper roof, composition floors, steam heating, electric lighting, tile and mar-

ble work, hollow tile, metal lath, waterproofing, dampproofing. Contract awarded to H. M. McCloskey, Jr., 1620 Thompson street.

**Seamen Ship and Navigation Building**, Naval Academy, Annapolis, Md. (Spec. 3,760). Architect, J. H. de Sibour, Bibbs Building. Owner, United States Government, care of C. W. Parks, Chief, Navy Department, Washington, D. C. Stone and granite, 4 stories, 323x64 feet, corridor 57x12 feet, hollow tile, fire doors, slate, tile and slag roof, steam heat, electric lighting, elevators, steel and iron work, ornamental iron work, fire escapes, bronze work, metal doors and ceilings, tile work. Contract awarded to Lovering & Garigues, 552 West Twenty-third street, New York City. \$658,927.

## Miscellaneous Contracts Awarded

**Primer House and Unloading Shed**, Spec. 3737, Bellevue, D. C. Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Washington, D. C. Steel and brick, 1 story, 50x100 feet, rubberoid or asbestos shingle roof. Contract awarded to Hugh S. Roberts & Co., 1123 Broadway, New York City, \$26,500, 90 days.

**Moving Picture Theatre**, 222 Market street, Wilmington, Del., \$5,400. Architect, private plans. Owners, Ginnis Theatre Co., on premises. Brick, general interior and exterior alterations. Contract awarded to D. L. Tophis, 420 West Twenty-second street, Wilmington, Del.

## Proposals

### INVITATION FOR PROPOSALS

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., March 24, 1919. SEALED PROPOSALS will be received at this office until 3 P. M., April 21, 1919, and then opened, for alterations at the U. S. Post Office and Court House, Erie, Pa., in accordance with the specification and drawings mentioned therein, copies of which may be had at this office or at the office of the Custodian, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., March 19, 1919.—Sealed Proposals will be opened in this office at 3 P. M. April 16, 1919, for changes in the United States Post Office at Canton, Ohio. Drawings and specifications may be obtained from the Custodian or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., March 26, 1919. SEALED PROPOSALS will be opened in this office at 3 P. M., April 30, 1919, for remodeling the annex to the United States Post Office at Brooklyn, N. Y. Drawings and specifications may be obtained from the Supervising Chief Engineer, 731 Custom House Building, New York, N. Y., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

## Permits for New Buildings

Dwellings (7), 2825-24837 West Allegheny avenue, \$29,400. Morris L. Miller (O), 1202 Commonwealth Building. Brick, 2 stories, 16x53 feet, slag roof, hot water heating, electric lighting. Owner will build.

Dwellings (29), 3210-3266 Newkirk street, \$92,800. Morris L. Miller (O), Commonwealth Building. Brick, 2 stories, 14 feet 4 inchesx46 feet, slag roof, oak floors. Owner taking sub-bids.

Garage, southeast corner of Twenty-sixth and Harold streets, \$3,000. J. P. Maher (O & C), 2733 West Lehigh avenue. Brick, 1 story, 23x123 feet.

Dwelling, Overbrook avenue and City Line, \$20,000. Morris Estate (O), Overbrook. Alfred James (C), Bala, Pa. Stone, 3 stories, 45 feet 6 inches and 16x38 feet and 11 feet, shingle roof, hot water heating, oak floors, tile work.

Garage, Wissahickon avenue and Kitchen Lane, \$4,000. Albert Wolstenholme (O), Germantown. Wolverton & Co. (C), 28 East Willow Grove avenue. Stone, 1 story, 22 feet 2 inchesx38 feet 2 inches, shingle roof.

Dwelling, Wissahickon avenue and Kitchen Lane, Germantown, \$37,000. Albert Wolstenholme (O), Germantown. Wolverton & Co. (C), 28 East Willow Grove avenue. Stone, shingle roof, hot water heating, main 54 feet 8 inchesx31 feet, side 16 feet 8 inchesx19 feet 4 inches.

Garage, Thirty-sixth and Pearl streets, M. I. Crone (O), 3605 Powelton avenue. W. H. H. Taylor (C), Seventeenth and Wallace sts. Brick, 1 story, 20x50 feet, slag roof.

Garage, Third and Orange avenue, \$650. Joseph Schlenz (O), on premises. Alfred Steinhousen (C), 5422 North Fifth street. Brick, 1 story, 11x24 feet.

Garage, 5405 Westford Road, \$700. E. B. Atkins (O), on premises. Alfred Steinhouser (C), Olney Park. Brick, 1 story, 16x20 feet.

Garage, 5414 Westford Road, \$700. W. Edwards (O), on premises. Alfred Steinhouser (C), Olney Park. Brick, 1 story, 12x20 feet.

Garage, 5412 Westford Road, \$700. M. L. Bastian (O), on premises. Alfred Steinhouser (C), Olney Park. Brick, 1 story, 12x20 feet.

Garage, 5430 Westford Road, \$700. W. Grabbell (O), on premises. Alfred Steinhouser (C), Olney Park. Brick, 1 story, 12x20 feet.

Dwelling, Second and Willow streets, \$5,000. M. Zinman (O), Second and Green streets. Brick, 2 stories, 20 feet 3 inchesx71 feet, slag roof, hot air heating. Owner will build.

Garage, 4624 Milnor street, \$750. Walter Wendorwicz (O), on premises. W. Syslowski (C), 4500 Milnor street. Brick, 1 story, 16x40 feet.

Garage, 1519 West Sixty-eighth street, \$700. Mr. Borne (O), on premises. John F. Zuh (C), 6813 North Fifteenth street. Stone, 1 story, 16x20 feet.

Store, 5201 North American street, \$300. J. S. Shenkman (O), 233 Duncannon street. Brick, 1 story, 16x20 feet. Owner will build.

Garage, American street and Pike, \$2,500. Schuylkill Forge Co. (O), Third and Sargent streets. J. J. Harding (C), 723 North Twenty-sixth street. Brick, 1 story, 25x50 feet.

Dwellings (21), Holleywood and Norris sts., \$54,600. George A. Nahm (O and C), 2736 Girard avenue. Brick, 2 stories, 15x12 feet and 26x11 feet, hot air heating.

Store and Dwelling, Twenty-ninth and Morris streets, \$4,000. George A. Nahm (O and C), 2736 Girard avenue. Brick, 2 stories, 15x

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45 feet 6 inches, slag roof, hot water heating. Dwelling, Twenty-ninth and Sedgley avenue, \$3,700. George A. Nahm (O and C), 2736 Girard avenue. Brick, 2 stories, 21 feet 3½ inchesx27 feet 6 inches, slag roof.

Dwelling, Norris and Hollwood streets, \$3,500. George A. Nahm (O and C), 2736 Girard avenue. Brick, 2 stories, 15x38 feet.

Dwellings (2), Twenty-ninth and Norris sts., \$6,600. George A. Nahm (O and C), 2736 Girard avenue. Brick, 2 stories, 15 feet and 12 feetx32 feet and 114 feet, slag roof, hot water heating.

Dwelling, Hollywood and Norrist streets, \$3,100. George A. Nahm (O and C), 2736 Girard avenue. Brick, 2 stories, 16x36 feet, hot air heating.

Dwellings (2), \$6,300, Hollwood and Sedgley avenue. George A. Nahm (O and C), 2736 Girard avenue. Brick, 2 stories, 16x38 feet, slag roof, hot water heating.

Dwellings (13), Twenty-ninth and Norris streets, \$39,000. George A. Nahm (O and C), 2736 Girard avenue. Brick, 2 stories, 15 feet and 12 feetx27 feet and 11 feet, slag roof, hot water heating.

Dwellings (4), \$12,000, 307-313 Rockland street. Carl Metz (O and C), 315 Rockland street. Slag roof, hot water heating.

Garage, 4350-53 Griscom street, \$6,000. H. S. Swope (O and C), on premises. Brick, 1 story, 30 and 20 feetx67 and 100 feet.

Garage, 16 East Wister street, Germantown, \$6,000. Dracap Bros. (O), Germantown. Jas. Dracap (C), 41 East Wister street, Germantown. Brick, 1 story, 36 feet 2 inchesx113 feet 2 inches.

Garage, 1661 Orthodox street, \$400. H. B. Gebbs (O), on premises. J. D. Fotheringham (C), 1000 Arrott street. Brick, 1 story, 12x18 feet.

Garage, 4331 North Darien street, \$600. F. W. Young, 4330 North Eighth street. Edw. B. Miller (C), 3927 North Sixth street. Brick, 1 story, 14 feet 6 inchesx22 feet.

Dwelling, Twenty-ninth and Allegheny avenue, \$5,000. Morris L. Clothier (O and C). Brick, 2 stories, 21x65 feet, hot water heating.

Dwellings (2), Godfrey avenue and G street, \$5,000. W. E. Strock (O and C), 7353 Oxford street. Brick, slag roof, hot water heating.

Dwellings (4), Sommerville avenue and Twelfth street, \$13,600. Sarah Nittenberger (O), 512 Walnut street. R. M. Webb (C), 5009 North Broad street. Brick, 2 stories, 16x34 feet.

Dwelling, Krams and Manayunk avenue. James Stewart (O and C), 4552 Frankford avenue. Brick, 2 stories, asbestos shingle roof, hot water heating.

Garage, Cresheim Road and Mermaid Lane, \$2,500. Adam Lotz (O), on premises. Stone, 1 story, 35 feet 6 inchesx80 feet, slag roof. Owner will build.

Garage, 239 East Johnson street, \$1,650. H. E. Norton (O), on premises. Stockes Bros. (C), 6723 Musgrave street. Stone, 1 story, 20x22 feet.

Garage, Forrest avenue and Upsall street, \$350. Valentine A. Rickert (O), Forrest and Mt. Airy avenue. Brick, 1 story, 18x20 feet, slag roof. Owner will build.

Bungalow, Walker and Linden avenue, \$2,500. Pleasant Hill Imp. Co. (O and C), 3010 Linden street. Frame, 1 story, 26x32 feet 6 inches.

Dwellings (10), \$40,000, Fairhill and Chew streets. Henry W. Bauer (O and C), Fifth and Chew streets. Brick, 2 stories, 16x32 feet 6 inches, slag roof, hot water heat.

Dwellings (4), \$30,000, Wayne avenue and Springer street. John H. McClatchy (O and C), 848 Land Title Building. Brick, 2 stories, 16x45 feet, slate roof, hot water heat.

Garage, Benner and Heyerman streets, \$1,000. John Front (O), 6102 Hegerman street. Frank W. Zebley (C), 6022 Hegerman street. Brick, 1 story, 17 feet 6 inchesx5 feet, slag roof.

Garage, 3915 Chancellor street, \$600. J. E. Richards (O and C), 3914 Walnut street. Brick, 1 story, 16x24 feet, slag roof.

Dwellings (21), \$149,100, Sixtieth and Columbia avenue. Daniel E. Hogan (O and C), 6043 Columbia avenue. Brick, 2 stories, 15 feet and 12 feet x34 feet and 14 feet, slag roof, hot water heating.

Dwelling, southeast corner Oakley and St. Vincent streets, \$3,500. William A. Kitchen (O and C), 7200 Oakley street. Brick, 2 story, 27x45 feet, asphalt and shingle roof, hot water heating.

Garage, 1507 Fishers avenue, \$650. A. Goldberg (O), 1506 Lindley avenue. Brick, 1 story, 15 feet 9 inches x20 feet. S. Zitman (C), 1724 North Marshall street.

Dwelling, Sixtieth and Columbia avenue, \$14,000. Daniel E. Hogan (O and C), 6043 Columbia avenue. Brick, 3 stories, 16 feet 4 inches x53 feet, slag roof and hot water heating.

Dwelling, Sixtieth and Columbia avenue, \$9,000. Daniel E. Hogan (O and C), 6043 Columbia avenue. Brick, 2 stories, 16x48 feet, slag roof, hot water heating.

Shop, Twenty-third and York streets, \$41,000. Fritz Gross & Co. (O), Twenty-second and Sedgley avenue. Brick, 1 story, 75x192 feet. Austin Co. (C), Bulletin Building.

### Alterations and Additions

Dwelling and Baker Shop, \$5,000, 2018-20 North Thirty-first street. Louis Smuckler (O), 887 North Sixth street. Samuel J. Bobb (C), 995 North Sixth street.

Store, \$3,000, 1207 Chestnut street. Oppenheim Collins Co., premises (O). Standard Const. C., 1713 Sansom street.

Store and Storage, 818 North Broad street, \$2,950. Hartford Realty Co. (O), 859 North Broad street. W. R. Rust (C), 19 South Eighth street.

Garage, \$4,000, Womrath and Kensington avenue. Myers & Morris (O), G street and Tioga street. A. L. Barnes & Co. (C), Twentieth and Pacific avenue.

Hospital, \$3,500, 2019 North Twenty-second street. N. W. General Hospital (O), premises. Paulson & Jones (C), 6829 Woodland avenue.

Dwelling, 1131 West Oxford street, \$400. L. Klieri (O), on premises. James D. Wade (C), 1517 North Eleventh street.

Dwelling, 6348 McCallum street, \$1,500. John Pyrah (O and C), 5619 Stokes street.

Dwelling, 5026 Willows avenue, \$425. R. C. Green (O), on premises. M. W. Richey (C), 5008 Pentridge street.

Dwelling, Thirty-third and Susquehanna avenue, \$1,200. B. Axe (O), 3205 Oxford street. W. E. Rees (C), 901 South Forty-sixth street.

Dwelling, 426 Olney avenue, \$1,200. Fred J. Burkhart (O), on premises. Alfred Steinhauer (C), 5422 North Fifth street.

Store, 2935 Kensington avenue, \$1,800. J. S. Murdock (O), on premises. Reimer & Sheiter (C), 409 Central Trust Building.

Dwelling, 322 East Price street, \$300. Dominic Mercaldo (O and C), on premises.

Dwelling, 1219 Adams avenue, \$300. C. Criniti (O), on premises. E. Donato (C), 4244 Paul street.

Store and Meeting Rooms, 907 Race street, \$650. John Leiwezey (O), Allen Lane and Wayne avenue. John A. Codon (C), 1235 Arch street.

Garage, Twenty-third and Naudain streets, \$300. Edw. M. Harris (O and C), 2214 Chestnut street.

Bakery, 229 Fairmount avenue, \$300. M. Blackman (O), on premises. Louis Swerdoff (C), 228 South Fifty-ninth street.

Rooming House, 1824 Chestnut street, \$1,500. Oliver H. Bair (O), 1820 Chestnut street. Thos. C. Trafford (C), 1613 Sansom street.

Foundry, 907 North Hancock street, \$3,000. Emil D. Avas (O), 705 North Hancock street. Louis Swerdloff (C), 228 South Fifty-ninth street.

Store and Dwelling, Sixty-fourth and Haverford avenue, \$600. Alex. Di Stefano (O), on premises. Fiorella & Pacific (C), 6416 Vine street.

Store and Dwelling, 4042 Lancaster avenue, \$330. J. Goldberg (O), on premises. P. Savar (C), 718 Snyder avenue.

Factory, 1021 North Front street, \$1,400. University Manufacturing Co. (O), on premises. Wm. H. McClain (C), 5918 Girard avenue.

Store and Dwelling, 709 West Moyamensing avenue, \$875. Hyman Gieder (O), 2426 South Seventh street. Charles Schnitzer (C), 1619 South Franklin street.

Cigar Factory, 1106 Montgomery avenue, \$1,500. J. Sims Wilson & Co. (C), 1125-27 Brown street.

Store, 830-32 Walnut street, \$300. D. E. Dallam (O), 514 Walnut street. M. Mark (C), 1229 South Fifty-second street.

Wagon House, 2116 Fairmount avenue (rear), \$775. Shanahan & Elliott (O), on premises. A. P. Tucker (C), 5136 Parkside avenue.

Store and Dwelling, 2971-73 Aramingo avenue, \$450. Jacob Jaich (O), Aven and Aramingo avenue. E. J. Gilbert (C), 3337 Emerald street.

Dwelling, 3600 Queen Lane, \$625. L. M. Kersum (O), on premises. John J. Hawley (C), 4416 Cresson street.

Dwelling, 4115 North Marshall street, \$325. M. Schreiber (O), on premises. E. Stutzer (C), 4053 North Marshall street.

Store and Workshop, 5713 Germantown avenue, \$5,764. Charles Manzi (O), on premises. H. G. Hammer (C), 808 North Seventeenth street.

Dwelling Broad and Wolf streets, \$1,400. Dr. Mercer (O), on premises. M. Losse (C), 816 Winton street.

Store and Dwelling, 2136 North Front st., \$800. N. Ferminger (O), 5273 Jefferson street. M. Morrison (C), 2322 North Howard street.

Dwelling, 747 South Fifteenth street, \$350. B. J. Collier (O), 749 South Fifteenth street. J. F. Trent (C), 2041 Master street.

Office Building, Eleventh and Market sts., \$4,000. A. M. Maison Estate (O), 1524 Chestnut street. The Hogg Const. Co (C), 1634 Sansom street.

Warehouse, 229-31 North Seventh street, \$5,000. P. Oliver Derr (O), Seventh and Dauphin streets. W. F. Koelle & Co. (C), Twenty-sixth and Oxford streets.

Foundry, 1611-13-15 North Front street, \$4,000. Lloyd Garrett Co. (O), 229 North Twenty-third street. Mitchell Bros (C), 2125 Race street.



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Face, Etc.).

O. W. Ketcham.....Builders' Exchange, Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.  
Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.  
Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.  
Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.  
General Fireproofing Co.....832 Arch st., Phila.  
Henry S. Harris.....Land Title Bldg., Phila.  
Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truscon Steel Co....Commonwealth Bldg., Phila.

## Floor Plates.

Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.  
Morris Wheeler & Co.30th and Locust sts., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.  
Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Insurance.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.  
Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.  
Harris J. Latta.....Penna. Bldg., Phila.  
Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Iron and Steel Bars and Plates.

Morris Wheeler & Co.30th and Locust sts., Phila.

## Levels.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Light Iron Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lumber.

Wm. Lloyd Co.....29th and Ridge ave., Phila.  
James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.  
Italian Marble Mosaic Co...433 Spruce st., Phila.  
Roman Mosaic and Tile Co..435 Green st., Phila.

## Metal Lath.

Audubon Wire Cloth Co., Inc....Audubon, N. J.  
Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.

General Fireproofing Co.....832 Arch st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truscon Steel Co....Commonwealth Bldg., Phila.

## Metal Lath Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Metal Tiles and Shingles.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Meters.

Philadelphia Meter Co.,  
Real Estate Trust Bldg., Phila.

## Mill Supplies.

The Fairbanks Co.....7th and Arch sts., Phila.

## Paints and Varnishes.

The Barrett Company,  
New York and Philadelphia.  
Felton, Sibley & Co.....136 N. 4th st., Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

## Pipe Fittings and Valves.

The Fairbanks Co.....7th and Arch sts., Phila.

## Plumbing Fixtures.

Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Preservatives (Wood and Concrete).

The Barrett Co.....New York City and Phila.

## Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Refrigerators.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.

## Reinforcing Bars.

Morris Wheeler & Co.30th and Locust sts., Phila.  
Truscon Steel Co....Commonwealth Bldg., Phila.

## Roofing.

The Barrett Co.....New York City and Phila.

## Roofing Tile.

O. W. Ketcham.....Builders' Exchange, Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Roofing Tin.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Roofing Slate.

William Moore Co.....1506 Sansom st., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

## Screens.

Thos. J. Malia.....141 Wentz st., Phila.

## Slate.

William Moore Co.....1506 Sansom st., Phila.

## Soundings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Structural Slate.

William Moore Co.....1506 Sansom st., Phila.

## Structural Steel.

Morris Wheeler & Co.30th and Locust sts., Phila.

## Surety Bonds.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.  
Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Tile and Terrazzo Work.

Belfi Bros. & Co.....1923 Market st., Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

Italian Marble Mosaic Co...433 Spruce st., Phila.  
Roman Mosaic and Tile Co..435 Green st., Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Tiling.

William Moore Co.....1506 Sansom st., Phila.

## Transits.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Ventilators.

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1919



## Insurance Company of NORTH AMERICA PHILADELPHIA

### ASSETS

|                                      |                 |
|--------------------------------------|-----------------|
| Bonds and Stocks.....                | \$24,280,745.19 |
| Cash in Banks.....                   | 2,395,335.33    |
| Premiums in course of transmission.. | 3,203,681.96    |
| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

### LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

Total Liabilities ..... \$30,801,413.40

Surplus to Policyholders..... \$ 12,922,516.93  
Losses paid since organization 203,147,689.78

### The Oldest American Stock Insurance Company

Fire Insurance  
Tornado  
Sprinkler  
Explosion  
Inland Transit  
Salesman's Floater

Automobile  
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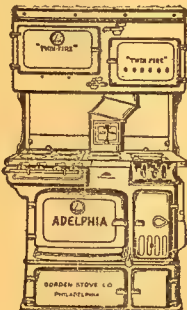
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**RANGES FOR STRAIGHT COAL OR COMBINATION COAL AND GAS**



**TANK HEATER**

We are also Eastern Agents for the celebrated PITTSBURG line of automatic and tank gas water heaters. Our centrally located showrooms present one of the finest assortments in the city, and the architect or client is always assured of a hearty welcome. Our complete stocks carried at all times enable us to render that same BORDEN SERVICE—since 1878—and last but not least—our prices are right, too!

**BORDEN STOVE CO.**

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**PHILADELPHIA**



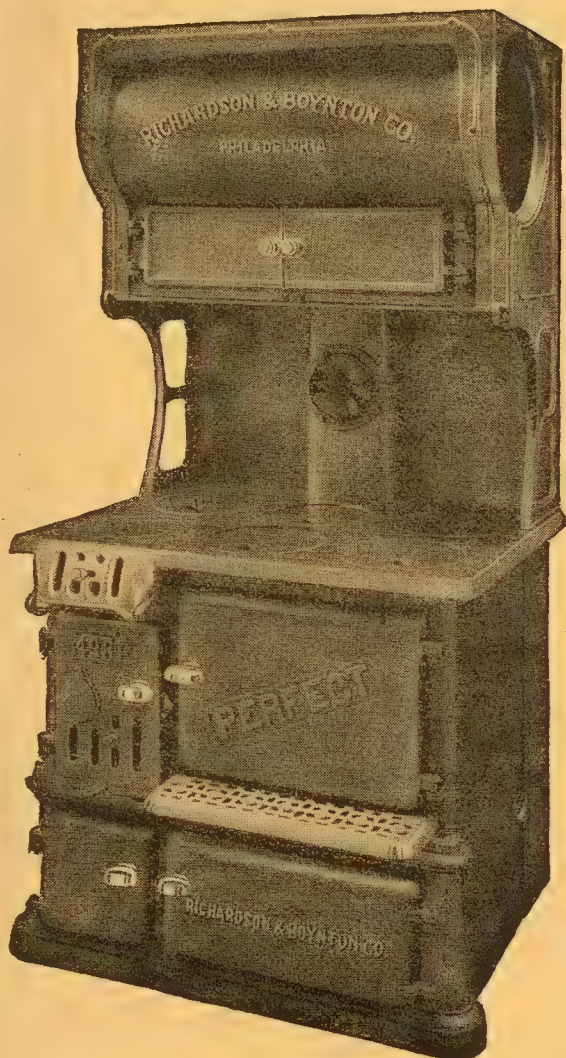
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 15  
April 9, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

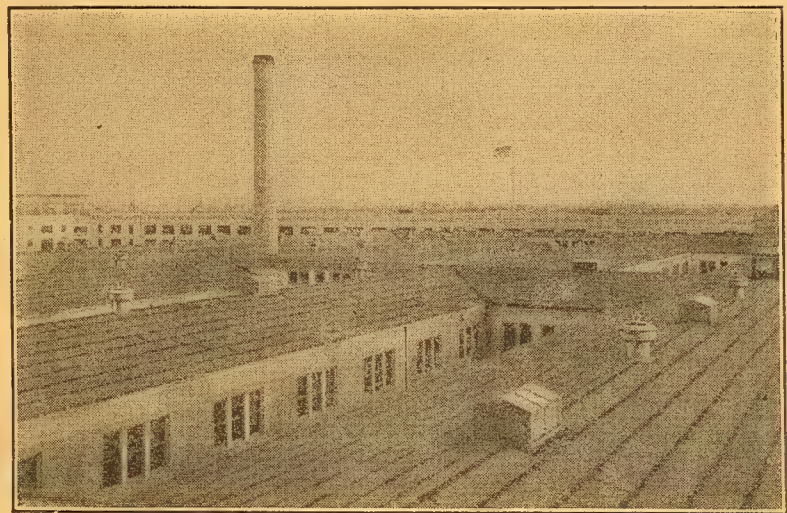
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RICHARDSON Products

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The "Star" Ventilator was adopted by the U. S. Government as its War Standard for cantonments and other important buildings, on account of its HIGH EFFICIENCY and SIMPLICITY.

The Thousands of "Star" Ventilators in use on public buildings, schoolhouses, mills, warehouses, and similar structures throughout the country, proves their superiority over other types.

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Formerly TRUSSED CONCRETE STEEL COMPANY

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are built on anchor posts which are driven into the ground and then held rigidly erect by two Anchor stakes driven diagonally through slots clamped to the sides of the posts.

Iron Railings and Entrance Gates, Lawn Fences, Tennis-Court, Poultry and Kennel-Yard Enclosures, Arbors, Trellises, and Flower-Bed Guards. Catalogues of any or all are yours upon request.

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Real Estate Trust Bldg., Phila.



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Manufacturer of

Ornamental Terra  
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New York, 1170 Broadway  
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

### POMEROY CONSTRUCTION CO.

### Building Construction

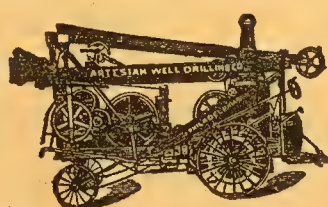
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225 COMMONWEALTH BUILDING

Base and Floor  
one continuous  
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should be used wherever a sanitary floor is desired. Practically noiseless, it is the ideal floor for schools, public buildings, railway stations, stores, kitchens, etc.

Damp, Fire and Vermin Proof

WE LAY THIS FLOOR ANYWHERE  
Information and samples on request

Philadelphia Mineral Flooring Co.

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and

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SPECIFY

## Analo Powder Paint

Whether applied by brush or machine, if done by our corps of trained artisans you are sure to get the best work at the lowest possible cost. Better see us today. "Let there be light."

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Manufacturer and Contractor  
N. W. Cor. 12th and Spruce Sts.  
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Reliable, Advanced,  
Confirmed, Up-to-  
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mation on Proposed  
Building Work in  
Philadelphia, East-  
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The Kind That Lasts

**Carter Concrete** PAVEMENTS, FLOORS, CONSTRUCTION—BUILT BY SPECIALISTS SINCE 1888—BUILT TO PREVENT CRACKING, CRUMBLING and DECAY—BUILT TO LAST.

ORIGINAL COST OF **Carter Concrete** LOW—UPKEEP COST NEGLIGIBLE.

SPECIALISTS IN CONCRETE ROADWAYS

*One of our Engineers will help you in Concrete Problems and gladly give you an Estimate.*

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639-41 N. 18th St., Philadelphia, Pa.

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Specialists in Metal Lath and Light Iron Construction

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**Fire Proof Partitions  
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We are not too big to look for your Small Orders, nor too small to handle your big fellows

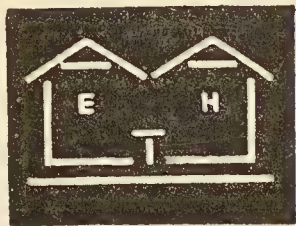
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The architect knows that falling plaster and cracks are avoided and that walls are made durable by

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We also vouch for the superiority of Metal Lath and carry it in stock.

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**DO YOU**

use the hod carrying method of elevating brick, mortar, cement, etc.? It's too old fashioned—too slow and costly—

for present day building work.

"LITTLE GENERAL" MATERIAL ELEVATOR HOISTS are used by dozens of bricklayers in Philadelphia, who used to rely on the hod carrier method, which was expensive and unsatisfactory. Now they use a "LITTLE GENERAL" and save money.

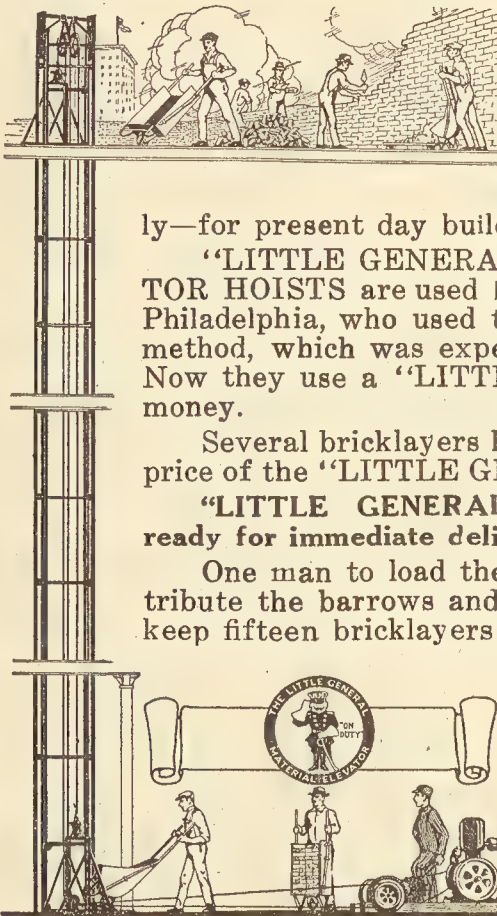
Several bricklayers have told us they saved the price of the "LITTLE GENERAL" on the first job.

"LITTLE GENERALS" in Philadelphia stock ready for immediate delivery.

One man to load the elevator, one man to distribute the barrows and one man at the hoist will keep fifteen bricklayers hustling.

Elevator operates in an opening 26" x 60". Easy to erect, easy to take down and move, convenient to store.

Phone for prices and special discount.

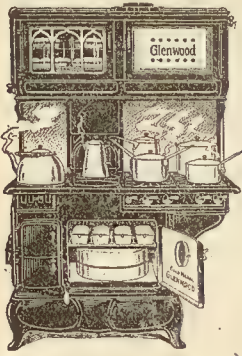


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Bourse Building, Philadelphia, Pa.

Lombard 490





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Crown Furnaces and Globe Ranges  
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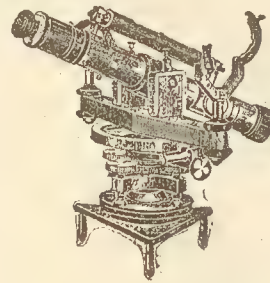
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Other transits from \$15 to \$115.

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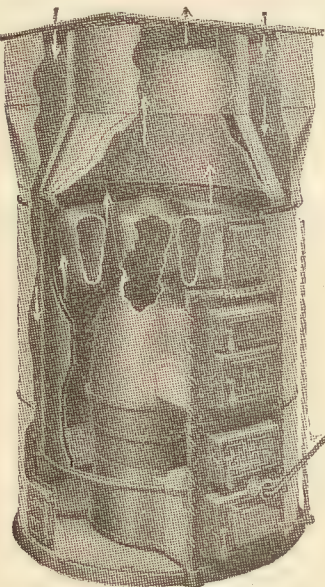
*Because* the Woodoleum Manufacturing Company is the pioneer in this line of floor covering.

*Because* we use only the best materials, and *because* our guarantee is absolute and unqualified.

There is but one WOODOLEUM—accept no imitation

**WOODOLEUM MFG. CO.**

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## MUELLER Pipeless Furnace

Scientifically and correctly applies the laws of warm and cool air circulation for heating entire house thru one register.

Burns any kind of fuel—big fuel saver.

Low cost and easily installed.

**Keystone Supply & Mfg. Co.**

Fine Plumbing Goods and Heating Materials.  
Pipe, Valves and Fittings.

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"QUALITY FIRST"

**PEERLESS MORTAR COLORS**

*Brightest, Strongest, Unfading*

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BUCK WHITE LEAD—A Combination white paint.

CROWN PAINTS—Ready Mixed, semi-liquid, paste.

COLORS—in oil Japan, distemper, dry.

VARNISHES—Elastic, durable, lustrous.

WE SET AND SELL

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**SAMUEL H. FRENCH & CO.**

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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 15

PHILADELPHIA  
April 9, 1919

## BUILDERS' GUIDE

OFFICES, PERRY BUILDING (Suite 824-825-826)  
Sixteenth and Chestnut Sts., Philadelphia, Pa.

PUBLISHED WEEKLY  
BY

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PERRY BUILDING, PHILADELPHIA

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## As The Editor Sees It



NOW, as always, "honesty is the best policy." In the present crisis in business conditions, honesty with ourselves in facing the situation before us, is of the utmost value to ourselves, our fellow citizens and our country. Experts everywhere agree that a new era is at hand; an era full of unprecedented prosperity and boundless opportunities. But, it is also an era of new conditions; new price levels have been established, new labor conditions have arisen, and from all quarters come the plea and advice to adjust ourselves to these new conditions. Are we meeting these issues squarely? Are we honest with ourselves? We repeat over and over again that things can never be what they were. "No, indeed," we say, prices will not go back to the old levels; wages must be kept high so that labor can continue to exist. We must spend our money and adjust ourselves to the new conditions; business must be kept going." Then what do we do? Probably we put our money back in our pocket and hope that prices *will drop*. "Prices are not coming down in America," says Vice-President Marshall in *Leslie's*:

"The manufacturer who is halting upon the theory that the bottom is going to drop out of raw material will find the bottom out of his business before it is out of raw material. The retail merchant who is waiting until he can purchase cheaper goods will have his

store closed by the sheriff and no way to get the cheaper goods upon his shelves.

"The man who has denied himself and stinted himself during the period of the war and is now husbanding his resources upon the theory that prices are going to take a tumble may succeed in washing his shirt to shreds before he can buy a much cheaper one."

"Shall problems of readjustment and reconstruction destroy our progress and defeat our resolution?" asks Frank A. Vanderlip.

It is inconceivable. All that we need is individual courage and confidence.

"The belief in prosperity is its creation."

Now is the time to act; we have had enough of talking. We agree with the *Manufacturers' Record* that:

"Procrastination is more than a thief of time, it is the murderer of opportunity."

\* \* \*

EIGHTEEN cities are organizing for an Own-Your-Own-Home Campaign along the lines suggested by the United States Department of Labor. Campaigns either are in progress, or about to open in Billings, Mont., Charleston, W. Va., Chicago, Ill., Cleveland, Ohio, Denver, Colo., Jacksonville, Fla., Johnstown, Pa., Lynchburg, Va., Middletown, Conn., Milwaukee, Wis., Philadelphia, Pa., Portland, Oregon, Salt Lake City, Utah,

Seattle, Wash., Spokane, Wash., Staunton, Va., St. Paul, Minn., and Toledo, Ohio.

In each of these cities there is a determined shortage in dwellings and the Own-Your-Own-Home Campaign is being waged as a civic movement with the co-operation of every organized element interested in municipal and social problems.

In sixteen other cities tentative plans are under way and from them will come, doubtless, many more vigorous campaigns for home owning and home building. In all these cities the club women, the clergy, financial interests, municipal officials and the labor organizations are being appealed to by the United States Department of Labor to do their utmost in assisting the campaigns to get under way. In the cities where campaigns now are on the women are proving invaluable as missionaries for the "Own-Your-Own-Home" gospel.

Since labor is so importantly involved in the home building projects, labor organizations are being invited and urged to take a conspicuous place in the campaign work in each community. Most of the homes built in this sort of a movement are for laborers and salary earners and the building of these homes provides employment for the building trades and common labor. There is, therefore, a double benefit in the home building and owning movement for labor, and, through its organization, in most localities, it is co-operating with enthusiasm.

**DRAWING  
MATERIALS**

**CHARLES H. ROBBINS, JR.**

1209 Arch Street,  
BELL PHONE, WALNUT 1086

Philadelphia  
KEYSTONE PHONE, RACE 614

**BLUE  
PRINTS**



## CONTRACTS LET IN MARCH SHOW IMPROVEMENT IN BUILDING INDUSTRY

Contracts let in March for building and construction projects will be in excess of the normal average for March in money value. The statement is made on the authority of the Division of Public Works and Construction Development of the United States Department of Labor which issued figures on the contracts let in territory east of the Missouri and north of the Ohio rivers, for the first three weeks of March, together with an estimate for the remainder of the month.

The total number of contracts let for the third week in March was 1,945, representing a money value of \$39,017,308. The New York district reported 186 projects, involving \$8,372,682; Pittsburgh, 163 projects, involving \$5,063,614; Boston, 443 projects, involving \$2,602,000. The Chicago district reported 741 contracts let, involving \$19,212,298.

The record for the first three weeks of March was:

|                       |              |
|-----------------------|--------------|
| Week ending March 7,  |              |
| 1919 .....            | \$27,751,076 |
| Week ending March 14, |              |
| 1919 .....            | 29,851,407   |
| Week ending March 21, |              |
| 1919 .....            | 39,017,308   |

Total ..... \$96,619,791

From these figures has been omitted the Minneapolis district, from which the total would be less than one million dollars.

"These figures not only show the increase from week to week," says the Department of Labor statement, "but the indication of the month's probable showing is very gratifying. It appears likely that the entire month's figures will be between \$125,000,000 and \$150,000,000. The amount involved in contracts awarded in January of this year was about \$51,000,000 and in February about \$95,000,000; from which it appears the construction business certainly is 'picking up.'"

Figures for the month of March for several years, to the nearest million dollars, are as follows:

|            |              |
|------------|--------------|
| 1911 ..... | \$69,000,000 |
| 1912 ..... | 73,000,000   |
| 1913 ..... | 64,000,000   |
| 1914 ..... | 59,000,000   |
| 1915 ..... | 76,000,000   |
| 1916 ..... | 95,000,000   |
| 1917 ..... | 133,000,000  |
| 1918 ..... | 116,000,000  |

"The present month does not have large Government contracts to increase

its amounts, as did the corresponding month a year ago. Nevertheless, it will be seen that the total is very likely to be about equal to March, 1917, and to exceed the amount for any other March during the period included in the table. It is to be remembered, however, that costs are higher and that the amount of construction of one of the earlier years would now, in common parlance, 'run into more money.' Index figures have been compiled as carefully as the nature of the case would permit, for the general cost of construction for the years from 1913 on, and the figures for these years have been converted into the cost in

1918, or the present time. The results, in round numbers, are:

|            |              |
|------------|--------------|
| 1913 ..... | \$94,000,000 |
| 1914 ..... | 89,000,000   |
| 1915 ..... | 118,000,000  |
| 1916 ..... | 132,000,000  |
| 1917 ..... | 153,000,000  |
| 1918 ..... | 116,000,000  |

Average of the six years, \$117,000,000

"From this it appears that, even with the proper allowance made for increasing costs, contracts have been awarded during the first three weeks of the present month for such an amount (nearly \$97,000,000) that the entire month will undoubtedly present a total considerably above the average of recent years."

The figures submitted further justify the statements recently issued by the Department of Labor that building and construction work, the country over, gradually are approaching normal.

## HIGH PRICES

BY IRVING FISHER

*Professor of Political Economy, Yale University*

AT the present time there is a marked halt in production. Industry is slowing down. Unemployment of labor increases. Some industrial concerns are failing to earn profits, and others are suffering the dissipation of their accrued profits, because, even by shutting their plants down, they can not save certain of their expenses or any of their fixed charges. The Government's revenues, dependent as they are upon the national income, may fall short at the very time we need them most. In brief, we are threatened with a widespread business depression, and from peculiar causes, for the unsound conditions usually preceding a widespread business depression are absent.

The main reason why business is not going ahead better is that most people expect prices to drop. The merchant is selling, but not buying. The manufacturer holds up the purchase of his raw materials. People quote the disparity between present prices and those prevailing "before the war," and decide they will not buy much until present prices get down to "normal." This general conviction that prices are sure to drop is putting a brake upon the entire machinery of production and distribution. Readjustment waits because we keep on waiting for it. We have waited in vain for over three months. It is interesting to observe that many manufacturers think that prices must come down, including the price of labor; but they are ready to demonstrate to you that their own prices can not come down, nor can they pay lower

wages. Almost everything they buy somehow costs twice as much as before the war, and their labor is twice as dear. They can not pay their labor less if labor is to meet the increased cost of living. Now, as a matter of fact, when we investigate almost any individual one of the so-called high prices for industrial products we are likely to find that individually it is not high; that is, it is not high relatively to the rest. Our quarrel is with the general level of prices.

Variations in the general price level may be compared to the tides of the sea, while individual prices may be compared to waves. Individual prices may vary from this general level of prices for specific reasons peculiar to individual industries, just as the height and depth of waves vary from the general level established by the tide. The causes controlling the general price level are as distinct from those controlling individual prices as the causes controlling the tides are distinct from those controlling individual waves.

All prices have risen, but some have risen more, some less, than the average for particular reasons affecting each industry. In some cases an improved organization of both employers and employees has enabled them to combine against the public and take full advantage of the price advance. The war brought about an abnormal demand for certain products like copper and steel, and they advanced faster than the average. The abnormal demand having disappeared, these prices are being adjusted



downward. Wheat is a case where demand increased and at the same time certain of the usual sources of supply—Russia, Australia, and Argentina—disappeared, with a resultant abnormal price increase. The closed sources of supply have opened again, and wheat prices in the world market have dropped. In some cases, as in many of the industries making building materials, the war meant a great slackening in demand, an enforced curtailment in use by Government order. In such instances we are likely to see an upward swing in prices as the suppressed demand again makes itself felt. Today we are witnessing throughout the country such price readjustments, up and down, but the general price level has shown little sign of falling, as is evidenced by price index numbers. It is apparent to every thoughtful observer that some great force has affected all prices, creating a new standard to which they are all conforming.

The fundamental practical question confronting business men is whether the general level of prices is going to fall. In my opinion, it is not going to fall much, if at all. We are on a *permanently* higher price level, and the sooner the business men of the country take this view and adjust themselves to it the sooner will they save themselves and the Nation from the misfortune which will come if we persist in our present false hope.

The general level of prices is dependent upon the volume and rapidity of turnover of the circulating medium in relation to the business to be transacted thereby. If the number of dollars circulated by cash and by check doubles while the number of goods and services exchanged thereby remains constant, prices will about double.

The great price changes in history have come about in just this manner. The "price revolution" of the sixteenth century came upon Europe as a result of the great influx of gold and silver from the mines of the New World. Europe was flooded with new money. More counters were used than before in effecting exchanges and prices became "high." People talked then of *temporary* "inflation," just as they talk of it now. But it was not temporary; it was a new price level.

A similar increase in prices all over the world occurred between 1896 and 1914, following the discovery of the rich gold fields of South Africa, Cripple Creek and Alaska, the invention of the cyanide process in mining, and the vast extension of the use of bank credit.

Circulating credit—that is, bank deposits subject to check and bank notes—is a multiple of the banking reserve behind these deposits and notes; and the essence of this reserve is gold. Our present monetary

system is an inverted pyramid, gold being the small base and bank notes and deposits being the large superstructure. The superstructure grows even faster than the base. The deposits are the important elements. They are transferred by check from one individual to another; that is, the circulation of checks is really the circulation of deposits.

Thus, any increase in the country's gold supply has a multiplied effect. The possible extent of that effect is dependent upon (1) the amount of gold available, and (2) the gold reserve requirements, determining the volume of credit that can be put into circulation based upon the gold. Over a billion dollars in gold has come into this country from abroad since 1914, and a large amount has disappeared from domestic circulation. The gold from both these sources has found its way into the United States Treasury and into bank reserves. On June 30, 1918, the portion of the gold reserve of the Federal reserve banking system which supported national bank deposits and Federal reserve notes was more than three times as large as the gold reserves under the old national banking system on June 30, 1914—\$1,786,000,000, compared to \$592,000,000. During the same period credit instruments (demand deposits and notes) increased about twofold—from \$6,100,000,000 to \$11,700,000,000. This increase of credit instruments is typical of the banking situation for the country as a whole and largely explains the present high level of prices. The increase of gold has been so great, however, that the base has grown faster than the superstructure—which is contrary to the normal tendency. The ratio of gold to credit has risen from 9.6 per cent. to 15.3 per cent. The legal reserve requirements of the present system are such that for 1918 there is an excess of gold above these requirements of more than \$700,000,000. The reserve required by law to support the \$11,700,000,000 of credit instruments of 1918 is \$1,070,000,000. The \$700,000,000 of free gold could support an additional superstructure 70 per cent. as large as the existing one, which indicates that for the banking of the country as a whole a potential future expansion of 50 per cent. is a conservative estimate.

Many people, referring to this inflation in the circulating medium, and assuming that it is temporary, are waiting for this inflation to subside. When we speak of *inflation* we mean more circulating medium than is needed to transact the business of the country on a given price level. But what price level? Some people mean the price level of 1913-14. Our currency is certainly inflated in terms of the prices of that period, just as the currency in 1914 was inflated with respect

to the prices of 1896, but our currency is not inflated at the present time relative to the new level of prices in the world which the war has brought. The country's volume of money will have to be judged in terms of this new price level, not in terms of a price level that is past. To speak of the present "inflation" as temporary is to assume the very thing about which we are contending—to assume that the normal prices are those of 1914.

Let us explain the factors upon which any future price movements must depend.

1. *Gold will not return to circulation*—No great effect in the direction of falling prices can be expected from any return of gold and other lawful money into daily circulation. Such a reversion would be contrary to monetary experience everywhere. When people have learned to leave their gold and silver in the banks and use paper money and checks instead they find the additional convenience so great that they will never fully return to the old practice.

2. *No great outflow of gold through international trade*—It should be noted that many of the former reasons for a flow of gold from America abroad have disappeared. We used to owe Europe a huge balance of interest payments upon American securities she held. The situation is reversed today. Moreover, Europe must pay us money for the materials we will send her for reconstruction, or at least pay us interest on credit we will extend her. Thus, our exports will probably exceed our imports during the reconstruction period. We used to pay ocean freight money to foreign carriers; today the American merchant marine will keep in American hands tens of millions of dollars of ocean freight money. The huge volume of American tourist travel abroad, for whose expense we had to settle, has stopped and can not resume for a year at least. For all these reasons the lines are laid for a movement of gold from Europe here rather than a movement of gold from America to Europe.

"Yes, but," people say, "wait until trade is resumed between the United States and Europe, then surely 'low-priced European goods' will flow over here in such enormous volume that they will liquidate all annual obligations to us in goods." Ultimately Europe must pay her obligations to us in goods, but it will take many years. Meanwhile, she needs our tools, machinery, and raw materials for immediate reconstruction.

At the present time European goods are not "low priced" (however little the money wages of European labor will buy). Prices in Europe since the war began have risen more than they have in the United States. The price rise has been less the farther from the seat of hos-



ilities. It was least in Australia and New Zealand. It was next least in the United States, Canada, and Japan. Then came neutral Europe; then our present allies; and finally, Germany and Russia. Gold tends usually to flow from high-priced countries to low-priced countries, so that until "inflated" European prices fall gold is not likely to flow thither. Prices are no more likely to fall here than there, and for the same reasons, which will be explained below.

3. *Reduction of outstanding credit*—The chief dependence of those who predict lower prices is on a reduction of the superstructure of credit resting upon our gold rather than on any reduction in the volume of this gold itself. They look for a contraction of bank credit, a reduction in the volume of deposits subject to check, which circulate throughout the country.

But the main cause for the present extension of bank credit is the Liberty Loan, and there is soon to be another. Subscribers for the new loan will not pay for their bonds in full any more than they did in the previous cases, but rather less. Many of them will deposit the bonds with the banks as security for loans to be repaid later. The effect on our circulating medium will be the same as if the Government were to impose a levy of \$6,000,000,000 of credits upon the Federal reserve banks, and then order them to apportion these credits out among the banks of the country. This process will certainly lead to an expansion of credits. The former issues of Liberty Bonds are still carried by the banks to a considerable extent. It may be contended that the bank credit expansion represented by the new victory notes has already occurred in the form of Treasury certificates, which are merely to be funded by the victory notes. The victory note issued thus represents only a shifting of the obligation to pay credits advanced to the Government, a shifting from the shoulders of the banks to the shoulders of the victory note buyers. The volume of outstanding bank credit remains the same. To a certain degree this contention is true. But a portion of the April victory note issue will go to pay future expenditures, not accrued expenditures. Then as soon as the Government needs additional money, it will issue new Treasury certificates, resulting in new extension of bank credit. Moreover, there is little doubt that there will be at least one more Government bond issue during the reconstruction period, and this will tend to further increase our present credit structure.

The banks must lend credit and create deposits to meet the expenditures not only of our own Government, but of foreign Governments as well. The same thing

results even if these Governments are served directly by private investors here instead of via the United States Treasury. These investors pay for foreign Government bonds as they do for our Liberty Bonds—on the installment plan—paying a small part down and borrowing the rest from the bank. This increased purchasing power will be mostly spent in this country for supplies to be sent abroad for rehabilitation. This continuance of vast loan issues, connected with war and reconstruction throughout the world is a factor which will maintain the high price level temporarily, which means many months.

It is also worth keeping in mind that Liberty Bonds and other Government securities held here do not wholly cease being a source of credit expansion when the individual subscribers have completed their payments on the bonds and really own them. These new bonds are unrivalled security for further borrowings from banks for commercial purposes, and they will continue to be so until the Government which issues them redeems them.

The availability of the vast issues of war bonds as bases for future credit expansion, coupled with the fact that our banking system has still many unused reefs, sure to be taken out later, when business wishes to spread more sail, is the chief reason why prices will keep up permanently; that is, for many years.

Between the period of temporary and the period of permanent effects, there may be a slight dip in the price level, say a year from now. If so, it is the more incumbent upon business to proceed now; for it can not wait a year.

During the war the flotation of stocks and bonds of commercial concerns has been very greatly diminished. During the period upon which we are now entering the issue of such securities will increase greatly.

Against any considerable reduction in bank credit and hence in the general level of prices, we shall find the whole business community in arms. Falling prices mean hard times for the individual and for the nation, and everyone resists the tendency. At the end of the Civil War the Treasury started to reduce the quantity of greenbacks. A start had hardly been made, however, before the business depression of 1866 and 1867 caused Congress to forbid by law any further reduction. Should the Federal reserve banks attempt, by raising their discount rate or otherwise, to reduce the volume of bank credit outstanding, they will meet with the same sort of opposition. Moreover, the hostile attitude of labor toward the lowering of wages will deter legislators and bankers from any organized policy of contraction.

Looking into the still more remote fu-

ture, there will be in Europe, particularly on the Continent, a vast increase in deposit banking. The need of the Governments there for funds during war times hastened the introduction of deposit banking. Money went out of circulation into bank vaults, and there became the basis for circulating credits. This means a new habit which will lead to a great currency expansion. Far-away countries like India and China, are also learning to use deposit banking. It is as if a new source of gold supply had been discovered. What has been discovered in a new way of using the gold supply. The world, during the course of the war, has thus started, or has hastened, an equivalent of the price revolution of the sixteenth century.

Business men should face the facts. To talk reverently of 1913-14 prices is to speak a dead language today. The buyers of the country, since the armistice, have made an unexampled attack upon prices through their waiting attitude, and yet price recessions have been insignificant. The reason is that we are on a new high-price level, which will be found a stubborn reality. Business men are going to find out that the clever man is not the man who waits, but the one who finds out the new price facts and acts accordingly.

Edmund B. Gilchrist, architect, has opened offices at 403 Westerly Building, 1627 Sansom street, Philadelphia.

Marmaduke Tilden, architect, has returned from overseas service and temporarily has opened offices in the Westerly Building, Philadelphia.

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#### Statement of the Ownership, Management, Circulation, etc.

Statement of the ownership, management, circulation, etc., of The Builders' Guide, published weekly at Philadelphia, Pa., required by the Act of August 24, 1912, for April 1, 1919.

Editor, H. L. Sharpe.

Managing Editor, none.

Business Manager, none.

Publishers, Building News Publishing Co., Perry Building, Philadelphia.

Owners, Louis S. DeLone, 6419 Drexel road, Philadelphia; Samuel R. McDowell, Narberth, Pa.

Known bondholders, mortgages and other security holders holding one per cent. or more of total amount of bonds, mortgages or other securities, none.

(Signed)

Building News Publishing Co.,

Louis S. DeLone, President.

Sworn and subscribed before me this 24th day of March, 1919.

Edward J. Toole, Notary Public.

(My commission expires Jan. 21, 1921.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Lodge Building (Mosque)**, Twenty-third and Parkway, Philadelphia, \$1,500,000. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Lu Lu Temple, Ancient Arabic Order, Nobles of the Mystic Shrine, care of J. S. Bair, Nineteenth and Arch sts. Stone, marble, brick, concrete and steel, 12 stories. Plans in progress.

**Twin Residences (3 pairs)**, Fox Chase, Philadelphia. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owners, Fox Chase Land Improvement Co., care of architect. Brick and half timber, 2 stories, 16x37 feet, flexatile roof, hot water heating, electric lighting, yellow pine floors, gas ranges. Will be ready for sub-bids in one week.

**Residences (alts. and add.)**, south side of Chestnut street, between Forty-fourth and Forty-fifth streets. Architect, E. Allen Wilson, 1208 Chestnut street. Owner, R. J. Selzer, 400 Chestnut street, Philadelphia. Newporches enclosed, slate roof, glazing, yellow pine floors, interior alterations. Owner is taking sub-bids.

**Dwellings (alts. and add.) (50)**, Fifty-fourth and Delancey streets. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, W. E. Blair, 207 South Sixtieth street, Philadelphia. New porches, shingle roof, hot water heating, electric lighting, yellow pine floors. Owner will take sub-bids in a week.

**Residences (8)**, Tenth and Luzerne streets, Philadelphia. Architect, Frank V. Nickels, 4400 Manayunk avenue. Owner, Edw. B. Friel, 834 Windsor Square, Philadelphia. Brick, 2 stories, 16x54 feet, slag roof, stone foundations, hot water heating, combination lighting, tile work, hardwood floors. Owner will take sub-bids in one week.

**Store and Dwelling (alts. and add.) and Garage in rear**, 2144 North Front street. Architect, I. W. Levin, 2434 South Eighth street, Philadelphia. Owners, Modern Music Co., 2144 North Front street. Brick, 2 stories, rear addition, 16x26 feet, slag roof. Garage, 1 story, 20x24 feet, slag roof, copper bulk, hot water heating, electric lighting, tile and marble work, plumbing, hardwood floors, plate and leaded glass. Owners are taking bids.

**Factory**, 1006 Vine street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Samuel Stern, 152 N. Eleventh street, Philadelphia. Brick, 2 stories, 24 feet 9 inchesx104 feet, slag roof, stone foundations, electric lighting, concrete, plank and maple floors, mill work, hollow metal skylights, metal ceilings, 1 lift. Architect taking bids, due as soon as possible. Lam Building Co., 1001 Wood street; G. J. Reich, 1112 Loudent street; John Roman, care of architect, are figuring.

**Restaurant (int. alts.)**, 1016 Chestnut street, Philadelphia. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owners, Mandarin Cafe, care of architect. Mill work, plastering, painting, steam heating, electric

work, tile, marble and terrazzo work, metal lath. Architects have received bids.

**Theatre**, West Philadelphia, \$50,000. Architect, J. Ethan Fieldstein, Penfield Building. Owner's name withheld. Brick and hollow tile, 1 story, 80x170 feet. Plans in progress.

**Twin Residences (5 pairs)**, North Philadelphia. Architect, private plans. Owners, Rush Bros., 1100 Fillmore street, Philadelphia. Brick, (4) 2½ stories, (6) 2 stories, 16x43 feet, tile, shingle and tin roof, oak and yellow pine floors, stucco, stone foundation, electric lighting. Owners taking sub-bids.

**Residence (alts. and add.)**, Hortter and Johnson streets, Germantown. Architect, H. Childs Hodgson, 1312 Walnut street, Philadelphia. Owner, Albert M. Greenfield, Thirteenth and Chestnut streets. Interior alterations (plumbing, heating and oak floors reserved), tin roof, tile and marble work, plastering, painting, mill work. Architect has received bids.

**Residence**, St. Martins, Philadelphia. Architect, C. A. Ziegler, Stephen Girard Building, Philadelphia. Owner's name withheld. Stone, 2½ stories, 30x45 feet, 10x15 feet, shingle roof, oak floors, hot water heating, electric lighting, tile work. Architect taking bids, due April 14th. F. B. Davis, 240 North Sixteenth street; W. John Stevens, Inc., Wyncote, Pa.; Harry Murphy, Willow Grove, Pa., are figuring.

**Building**, 126-132 Race street, Philadelphia. Architect, J. M. Blew, 833 South Cecil street, Philadelphia. Owner, Harry J. Hogg, 429 Race street, Philadelphia. Stone, brick and steel, 1 story, 75x76 feet, slag roof, cement and pine floors, steam heating, electric lighting, metal lath, hollow metal skylights, ornamental iron work. Architect taking bids, due April 12th. H. E. Baton, 1713 Sansom street; A. R. Raff Cont. Co., 1635 Thompson street; Conneen Const. Co., 1737 Filbert street; John M. Yardley, 1716 Sansom street are figuring.

**Church (alts.)**, Pratt street, Bridesburg, Philadelphia. Architect, Samuel D. Milner, 1117 Foulkrod street, Philadelphia. Owner, Bridesburg Presbyterian Church, Bridesburg, Philadelphia. General interior alterations, mill work, painting, electric lighting. Architect is taking sub-bids.

**Residence (alts.)**, 1531 Spruce street, Philadelphia. Architect, Frederick Webber, Morris Building, Philadelphia. Owner, name withheld. Interior and exterior alterations, painting, plastering, steam heating, electric lighting, tile and marble work, oak floors, metal lath. Architect has received bids.

**Building (alts.)**, 935 North Ninth street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Keystone Supply & Mfg. Co., on premises. Brick work, cement work, steel work, plastering, mill work, painting, glazing, metal lath, electric lighting, metal ceilings. Architect has received bids.

**Machine Shop (add.)**, southeast corner Front and Kenilworth streets, \$12,000. Architect, private plans. Owner, General Engineering Works, 719 South Front street. Brick, 1 story, 57x148 feet, slag roof. Owner will build.

**Residence (alts.) and Garage**, Southwest Corner Fifty-ninth and Chestnut streets. Architects, Durham Brothers, 26 South Fifteenth street, Philadelphia. Owner, Harry Pearl, 155 South Sixtieth street, Philadelphia. New store front in basement, flush bulk, plate glass, back porch, new garage, brick, 2 stories, 16x20 feet, slag roof, cement floor, stone foundation. Owner will be ready for sub-bids in one week.

**Garage**, location withheld. Architects, Durham Brothers, 26 South Fifteenth street, Philadelphia. Owner, Albert Granich, 914 Arch street, Philadelphia. Brick, 1 story, 18x35 feet, slag roof, stone foundations, concrete floor, heating and lighting extension. Plans in progress. Owner will take bids in two weeks.

**Warehouse**, 943-51 North Second street, Philadelphia. Architect, F. E. Hahn, 1112 Chestnut street, Philadelphia. Owner, United Wholesale Grocery Co., on premises. Reinforced concrete, steel and brick, 3 stories, 80x200 feet, slag roof, steam heat, electric light, yellow pine floors, metal lath, (1) elevator, rolled steel sash and skylights, roof ventilators. Architect will be ready for bids in a week.

**Garage**, south side of Market street, east of Forty-ninth street, Philadelphia. Architect, Le Roy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, care of Carl Wolf Miller, agent, Morris Building, Philadelphia. Brick, 1 story, 50x215 feet, stone foundations, steam heating, slag roof, electric lighting, plumbing, cement floor, mill work, hollow metal skylights, gasoline storage system. Plans in progress. Architect will be ready for bids in two weeks.

**Factory**, Northeast Philadelphia. Architect, Fred T. Uezzell, 717 Walnut street, Philadelphia. Owner, name withheld. Reinforced concrete, 3 stories and basement, 140x240 feet, reinforced concrete, slag roof, reinforced concrete floors, steam heat, electric lighting, rolled steel sash, hollow metal skylights, fire doors, fire tower, (2) electric elevators. Preliminary plans in progress. Architect will take bids in three weeks.

**Building (alt. and add.)**, 38 North Eleventh street, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Waistmakers' Union, on premises. Miscellaneous repairs. Architects taking bids. W. O. Springer, 1624 Latimer street, and J. M. Yardley, 1716 Sansom street, figuring.

**Residence (alts.)**, 1511 North Sixteenth street, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Emil Selig, on premises. Miscellan-



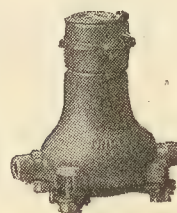
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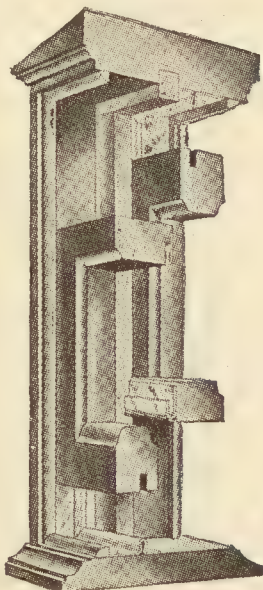
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eous repairs, cement work. Architects taking bids. W. O. Springer, 1624 Latimer street, and J. M. Yardley, 1716 Sansom street, are figuring.

**Dwelling**, 2333 South Seventy-second street, Philadelphia, \$3,000. Architect, private plans. Owner, Albert H. Knecht, southwest corner Nineteenth and Christian streets. Brick, 2 stories, 18x30 feet, slag roof, hot water heating, electric lighting. Owner will build.

**Apartment Building**, Sixty-ninth and Market streets, Philadelphia. Architect, Paul L. Kamper, 1532 Land Title Building, Philadelphia. Owner, Frank Marrin, Liberty Building, Philadelphia. Brick and concrete, 3 stories, 50x90 feet, slag roof, stone foundations. Plans in progress. Details undecided.

**Residences (33)**, Woodstock street, north of Sixty-fifth avenue. Architect, private plans. Owner, William H. Liebrich, 2840 Ridge avenue, Philadelphia. Brick, 2 stories, 16x47 feet, slag roof, hardwood floors, hot water heating, electric lighting. Owner will build.

**Residence and Garage**, Chestnut Hill, Philadelphia. Architects, Mellor, Meigs & Howe, 249 South Juniper street, Philadelphia. Owner, C. J. McManus, Wissahickon avenue and Carpenter street. Stone, 2 stories, 60x23 feet, wings 16x20 feet and 30x20 feet, garage 23x23 feet, slate roof, stone foundations, hot water heating, electric lighting, tile work. Plans completed. Will take bids in one week.

**Residence and Garage**, Chestnut Hill, Philadelphia, \$100,000. Architect, Paul L. Kamper, 1532 Land Title Building, Philadelphia. Owner, Mrs. Graham Frazer Dougherty, 1415 Spruce street. Hollow tile and stucco, 2½ stories, 68x85 feet, slate roof, stone foundations, hot water heating, electric lighting, tile and marble work, oak floors. Plans in progress.

**Dwellings (34)**, Duncannon avenue, Lindley avenue, between Fifteenth and Sixteenth streets, and Sydenham street, Philadelphia, \$266,000. Architect, private plans. Owner, H. W. Downsborough, Weightman Building, Philadelphia. Brick, 2 stories, 16x54 feet, 16x32 feet 13 inches x10 feet, slag roof, hot water heating, electric lighting, oak floors, pine floors, tile work. Owner will build.

**Garage**, west side of Emerald street, north of Atlantic street, \$7,000. Architect, private plans. Owner, C. Frietag, 3615 Emerald

street, Philadelphia. Brick, 1 story, 50x100 feet, slag roof, electric lighting, cement floor. Contract awarded to F. Dietrich, Jr., 1828 East Schiller street.

**Dwelling**, Eleventh street, south of Champlott street, \$4,500. Architect, private plans. Owner, Walter T. Swenk, 719 Sansom street, Philadelphia. Brick, 3 stories, 21x29 feet, slag roof, hot water heating, electric lighting. Contract awarded to Alex. E. Voigt, 6108 North Tenth street.

**Twin Residences (4 pairs)**, Germantown, Philadelphia. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, Robert Killough, Wayne avenue and Duval street, Germantown. Stone, 3 stories, 16x55 feet, slate roof, stone foundations, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress. Owner will be ready for bids in ten days.

**Apartment Buildings (2)**, southeast corner of Twentieth and Ontario streets. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, C. Bradford Sigler, 2263 N. Twenty-first street. Stone, brick and concrete, 2 and 3 stories, 36x40 feet, 32x20 feet, stone foundations, slag roof, hot water heating, combination lighting, fire doors and tower, iron work, roof ventilators, pine floors. Architect taking bids, due April 18th. A Sonnenfeld, 287 North Sixty-third street; F. A. Havens Co., 845 North Nineteenth street; J. Sims Wilson Co., 1125 Brown street; Davis & Clayton, 1817 North Twentieth street; E. F. Bahls, 1702 North Thirteenth street; Wills-Ludwick Co., 1708 Sansom street, are figuring.

**Dairy Building**, 222 Lombard street, Philadelphia. Architect, Wm. H. Timm, Abbott Building, Philadelphia. Owners, Abbott's Alderney Dairies, Thirty-first and Chestnut streets. Millwork. Architect taking bids, due April 11th. W. O. Springer, 1624 Latimer street; F. L. Hoover & Son, 1023 Cherry street; Mitchell Bros., 2125 Race street, are figuring.

#### Philadelphia Building Construction

|                  | March,<br>1919 | March,<br>1918 | 3 mos.,<br>1919 | 3 mos.,<br>1918 |
|------------------|----------------|----------------|-----------------|-----------------|
| Permits,         | 672            | 491            | 1,410           | 962             |
| Operations,      | 967            | 619            | 1,755           | 1,179           |
| Val. \$2,521,825 | \$1,130,785    | \$4,347,195    | \$3,407,160     |                 |

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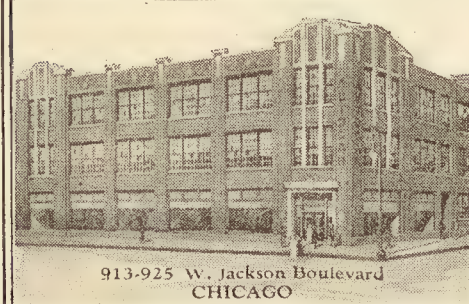
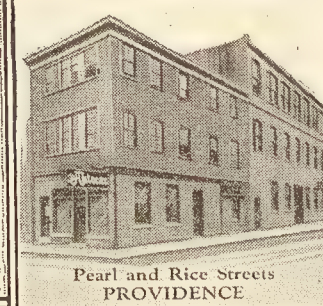
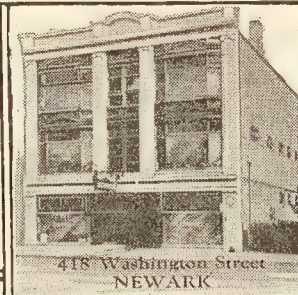
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## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Moving Picture Theatre (alts.), to Church,** Front and Ontario streets, Philadelphia, \$6,500. Architect, private plans. Owner, Third Ref. Presbyterian Church, Front and Allegheny avenue. Brick, 1 story, 16x60 feet, general alterations. Contract awarded to G. Bartram Bond, Sixty-sixth avenue and Thirtieth street.

**Dwellings (3),** north side of Woodbine avenue, west of Fifty-eighth street, \$9,500. Architect, private plans. Owner, John H. McClatchy, Land Title Building, Philadelphia. Brick, 3 stories, 48x20 feet, slate roof, hot water heat, electric lighting, tile work. Owner will build.

**Garage (alts.),** southwest corner Broad and Huntingdon streets, \$3,500. Architect, private plans. Owner, Vim Motor Co., on premises. General interior alterations, concrete work. Contract awarded to Carter Paving Co., 641 North Eighteenth street.

**Factory,** 1715 North Tenth street, Philadelphia, \$32,000. Architect, H. B. Weldon, 1606 Cherry street, Philadelphia. Owner, J. E. Sjoström, Inc., on premises. Brick and steel,

3 stories, 68½x102 feet, slag roof, cement and pine floors, stone foundations, hollow tile, metal lath, rolled steel sash, fire and kalamein doors, metal window guards, ornamental iron work. Contract awarded to Smith-Hardican Co., 1606 Cherry street.

**Bank Building (alt. and add.),** Front and Norris streets, \$125,000. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owner, The Ninth National Bank, on premises. Brick, concrete, stone and ornamental terra cotta, fireproof, 1 story and basement, 60½x109 feet, slag roof, concrete, cement and oak floors, stone foundations, steam heating, electric lighting, tile, marble, terrazzo and granite work, skylights, hollow tile, metal lath, roof ventilators, ornamental iron work. Contract awarded to H. E. Baton, 1713 Sansom street, Philadelphia.

**Dwelling,** south side City Line, west of Overbrook avenue, \$20,000. Architect, private plans. Owner, Morris Estate, care of Henry P. Wright, Overbrook, Philadelphia. Stone, 3 stories, 47½x26 feet, wing 19½x32

feet, shingle roof, hot water heating, electric lighting, oak floors, tile work. Contract awarded to Alfred James, Bala, Pa.

**Office (add.),** York and Cedar streets, Philadelphia, \$9,000. Architect, private plans. Owners, H. W. Butterworth & Sons, on premises. Brick, 2d story addition 40x60 feet, slag roof, electric lighting. Contract awarded to William Steele & Sons, Sixteenth and Arch streets.

**Store, Warehouse and Office Building,** 1632-34 Sansom street, \$14,000. Architect, private plans. Owner, F. P. Mellon Estate, 34 South Seventeenth street. Brick, 2 stories, 28x42 feet, slag roof, electric lighting. Contract awarded to George C. Dougherty, 1725 Ludlow street.

**Residence,** Mermaid lane and Navahoe street, Philadelphia. Architects, Duhring & Ziegler, Bailey Building. Owner, A. G. Allison, on premises. Stone, plumbing, new dormer window, mill work, painting, tile. Contract awarded to F. B. Davis, 240 North Sixteenth street.

**Motor, Bicycle Drome and Grandstand,** Twenty-fifth and Penrose Ferry road, \$8,000. Architect, private plans. Owner, John Kornie, Point Breeze Park, Philadelphia. General reconstruction, timber and frame. Contract awarded to J. M. Chapman, Point Breeze Park, Philadelphia.

**Factory (add.),** 1508 North Mascher street, \$4,500. Architect, private plans. Owner, Fred K. Mills, 3508 Lancaster avenue. Brick, 3 stories, 75x26 feet, slag roof, electric lighting. Contract awarded to John E. Kearney, 327 North Sixty-third street.

**Store (alt. and add.),** 1734 Market street, Philadelphia, \$4,000. Architect, private plans. Owner, A. Markells, on premises. Brick, general alterations, 3 stories, 14x45½ feet, and 1 story, 14x8 feet, mill work. Contract awarded to Henry Miller, 427 Catharine street.

**Office (add.),** northwest corner Third and Vine streets, Philadelphia, \$4,500. Architect, private plans. Owner, Monarch Machinery Co., on premises. Brick, 2 stories, 17x13 feet, slag roof, new front additions. Contract awarded to J. Myers & Sons Co., Witherspoon Building.

**Foundry,** 907 North Hancock street, Philadelphia, \$7,000. Architect, I. W. Levin, 2434 South Eighth street, Philadelphia. Owner, name withheld. Brick, 1 story, 20x140 feet, slag roof, brick and cement floor, electric light, rolled steel sash, hollow metal skylights, structural steel. Contract awarded to Louis Swerdloff, 228 South Fifty-ninth street.

**Woodworking Shop,** D street and Erie avenue, Philadelphia, \$10,000. Architect, private plans. Owner, Albrow Clem Elevator Co., on premises. Brick, concrete and steel, 1 story, 60x80x15½ feet, slag roof, concrete floor, metal lath, concrete foundations, rolled steel sash. Contract awarded to Robert E. Lamb Co., 843 North Nineteenth street.



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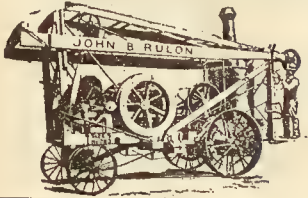
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**Garage**, northwest corner Mulberry and Wakeling streets, \$15,500. Architect, private plans. Owner, E. Snowden, 4964 Hawthorne street, Philadelphia. Brick, 1 story, 80x117 feet, slag roof, steam heating, electric lighting, cement floors, hollow metal skylights, roof ventilators. Contract awarded to Rush Brothers, 1102 Fillmore street.

**Stores and Dwellings (2)**, southeast corner Marshall and Parrish streets, \$13,500. Architect, private plans. Owners, Goldstein & Bralow Brothers, northeast corner Seventh and Mercy streets. Brick, 3 stories, 16x32 feet 13 inches x 18 feet, and 18x60½ feet, slag roof, hot air heating, electric lighting. Contract awarded to Nathan Litman, 2030 South Fifth street.

**Residence (alts.)**, 1926 Rittenhouse street, Philadelphia. Architects, R. W. Pollock & E. G. Rust, 1802 Chestnut street. Owner, Mrs. A. C. Keefer, 254 South Sixteenth street, Philadelphia. Three stories, hot water heating, electric light, tile and marble work, copper and tin roof, oak floors, ornamental iron work, millwork, plumbing, plastering. Contract awarded to Stewart Bros., 2526 North Orkney street.

**Garage**, Carlisle above Rockland street, \$13,000. Architect, private plans. Owner, E. M. Albus, on premises. Brick, 1 story, 54x88 feet, slag roof, cement floors, stone foundations, steam heat, electric light, rolled steel sash, hollow metal skylights, roof ventilators, gasoline storage, ornamental iron work. Contract awarded to E. E. Holleback, Inc., 1804 Brandywine street.

**Restaurant (int. alts.)**, 1016 Chestnut street. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owners, Mandarin Cafe, care of architects. Millwork, plastering, painting, steam heat, electric work, tile, marble and terrazzo work, metal lath. Contract awarded to A. P. Fraim, 319 Market street, Philadelphia.

**Factory**, 137 Berkley street, Germantown, \$60,000. Architect, Fred J. Schwartz, Patterson, N. J. Owners, Van Straaten & Havey, 1815 Bristol street, Germantown. Brick (slow burning construction), 4 stories, 56x116 feet, slag roof, wood and cement floors, stone foundations, rolled steel sash, hollow metal skylights, fire doors, millwork, fire tower, (plumbing, heating, electric work and elevator reserved). Contract awarded to J. S. Rogers Co., Drexel Building, Philadelphia.

**Dwellings (30)**, 800-826-801-829 and 901 N. Sixty-fourth street, \$210,000. Architect, private plans. Owners, Moss & Taylor, Fifty-eighth and Girard avenue. Brick, 3 stories, 24x35 feet, slate roof, steam heat, electric light, tile work, oak and pine floors. Owners will build.

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**Dwellings (6)**, 1100-1110 Robbins street, \$19,200. Architect, private plans. Owner, Harry F. Hartwig, 7403 Bingham street. Brick, 2 stories, 14x41 feet, slag roof, hot water heating, electric lighting. Owner will build.

**Residence (alts.)**, 2100 Spruce street, Phila-

delphia. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, John Cadwalader, 323 South Sixteenth street. Interior alterations, plumbing, composition floor, tile work. Contract awarded to W. O. Springer, 1684 Latimer street.

## PENNSYLVANIA

## Construction News

**Residence and Garage**, Latham Park, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, William T. Roberts, Latham Park, Pa. Stone, 2½ stories, 50x36 feet, wing 36x15 feet, garage, 1½ story, 24x38 feet, slate roof, cement and oak floors, hot water heat, electric lighting, tile work. Architect taking bids due April 11th. F. B. Davis, 240 North Sixteenth street; William H. Eddleman & Son, 453 Green lane; W. O. Springer, 1624 Latimer street; Specht & Sperry, Heed Building; A. L. Fretz & Son, Heed Building; Wm. J. Gruhler Co., 219 E. High street; Jacob Myers & Sons Co., Witherspoon Building, are figuring.

**Bungalow**, Highland Park, Pa. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, Edward Bradley, 5636 Chester avenue, Philadelphia. Stucco, 2 stories, 31x53 feet, shingle roof, hot water heating, electric lighting, yellow pine floors. Owner will be ready for sub-bids in one week.

**Dwelling (alt.)**, 812 Morton avenue, Chester, Pa. Architect, private plans. Owner, R. H. Seroggins, Chester, Pa. Tile work, plate glass, painting, copper work. Owner will build.

**Cottages (2) and School**, Littlestown, Pa., \$27,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, Hoffman Orphanage, Littlestown, Pa. Brick, 2½ stories, slate roof, steam heating, electric lighting, wood floors. Architect is ready for bids.

**School (add.)**, Paxtang, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Paxtang School Board, care of William J. Rutherford, Paxtang, Pa. Brick, 1 story, 108x35 feet, slate roof, steam heating, electric lighting, maple floors. Architect taking bids due April 14th.

**School**, Boyertown, Pa., \$25,000. Architect, E. Z. Scholl, 136 Roberson street, Reading, Pa. Owner, Boyertown School District, Boyertown, Pa. Brick, 3 stories, 140x80 feet, composition roof, gumwood floors, electric

lighting, roof ventilators. Owners and architect taking bids due April 16th. William Wiand, Pottstown, Pa.; Beard Const. Co., Reading, Pa.; William Hampton, Pottstown, Pa.; William J. Elliott, Coatesville, Pa.; Shamokin Lumber Co., Shamokin, Pa.; M. H. McCloskey, Jr., 1620 Thompson street, and E. F. Bahls, 1702 North Thirteenth street, Philadelphia, are figuring.

**Houses (24)**, North Reading, Pa. Architect, W. A. Fink, 426 Franklin street, Reading, Pa. Owner, J. H. Albrecht, Eleventh and Washington streets, Reading, Pa. Brick or stone, 2¾ stories, 18x76 feet, tin roof, concrete foundations, hot water heating, yellow pine floors. Plans in progress. Owner is taking sub-bids.

**Woman's Club**, 140 North Fifth street, Reading, Pa. Architect, Harry Maurer, Mt. Penn, Reading, Pa. Owner, Woman's Club, care of Mrs. Ancona, Mineral Springs Road, Reading. Brick, 1 story, 36x70 feet, slate roof, maple floors, steam heating, electric lighting. Architect taking bids. D. H. Hunter, Beard Const. Co., C. H. Schlegel, and R. Bush, Reading, Pa., are figuring.

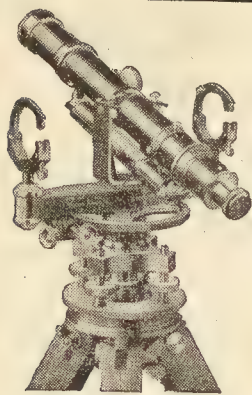
**Residence**, Sixth and Oley streets, Reading, Pa. Architect, Harry Maurer, Mt. Penn, Reading, Pa. Owner, J. L. Huge, Mansion House, Reading, Pa. Tile and stucco, 2½ stories, 35x65 feet, tile roof, hot air heat, electric light, tile work, hardwood floors. Architect will be ready for bids in three weeks.

**Residences (2)**, Penn Side Hill, Reading, Pa. Architect, H. Maurer, Mt. Penn, Reading, Pa. Owner, Daniel Philips, Penn Side Hill, Reading, Pa. Brick, 2½ stories, 20x32 feet, slate roof, hot air heating, electric lighting, tile work, hardwood floors. Owner is taking bids.

**Bakery (alt. and add.)**, Fourth and Elm streets, Reading, Pa. Architect, A. F. Smith, 1029 Penn street, Reading, Pa. Owner, Mr. Kolb, Fourth and Elm streets, Reading, Pa.

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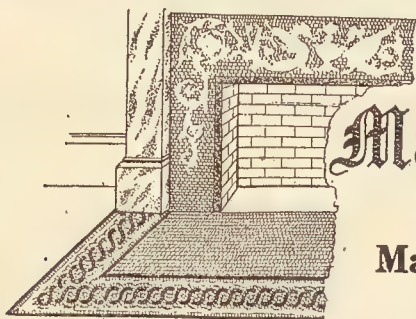
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**Residence**, location withheld. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Mrs. W. Clems, Coatesville, Pa. Brick, 1 story, 35x43 feet, asbestos shingle roof, oak floors, vapor heating, electric lighting. Owner will take bids in a week.

**Publishing Building** (alt. and add.), 418 Market street, Chester, Pa., \$40,000. Architect, Clarence Brazer, Crozer Building, Chester. Owner, Chester Times, Inc. on premises. Brick and stone, 3 stories, general alterations and additions. Architect taking bids due April 15th.

**Residence**, Overbrook, Pa. Architect, Frank Seeburger, Weightman Building, Philadelphia. Owner, James D. C. Henderson, 20 South Front street, Philadelphia. Stone, 2½ stories, stone foundations, electric lighting, oak floors, tile and marble work. Plans in progress.

**Church**, Collegeville, Pa. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owner, St. Clare's R. C. Church, care of Rev. William A. Buessner, Collegeville, Pa. Stone, 1 story, 30x70 feet, slate roof, electric lighting. Plans in progress.

**Twin Houses** (6), Harrisburg, Pa. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, B. Van Dyke, Harrisburg, Pa. Stone, brick, hollow tile and stucco, 2 stories, 16x40 feet, slate roof, stone foundations, hot water heating, electric lighting, tile work, oak floors. Owner will take sub-bids in one week.

**Residence**, Lincoln Highway, York, Pa. Architect, Ed. Leber, Hay Building, York, Pa. Owner, Mrs. Jennie L. Bear, South Lex street, York, Pa. Stucco, 2 stories, 65x32 feet, slate roof, hardwood floors, electric lighting, tile and marble work. Plans in progress.

**Machine Shops**, 34 and 35, Hershey, Pa. Engineer, F. Wickersham, 53 North Duke street, Lancaster, Pa. Owner, Hershey Chocolate Co., on premises. Steel and concrete, 4 stories, elevators, hollow metal sash, kalamein doors. Engineer will build.

**Factory** (add.), Elizabethtown, Pa. Engineer, John Wickersham, 53 North Duke street, Lancaster, Pa. Owner, Klein Chocolate Co., Elizabethtown, Pa. Reinforced concrete, 5 stories, concrete roof, elevators, hollow metal sash, kalamein doors. Engineer will build.

crete, 5 stories, concrete roof, elevators, hollow metal sash, kalamein doors. Engineer will build.

**Factory** (add.), Florin, Pa. Engineer, John Wickersham, 53 North Duke street, Lancaster, Pa. Owner, Bachman Chocolate Co., care of John Backman, on premises. Reinforced concrete, 3 stories, concrete roof, hollow metal sash, roof ventilators. Engineer will build.

**Warehouse**, North Green street, Lancaster, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owner, J. W. Eshelman, on premises. Steel, brick and lumber, 3 stories, 65x155 feet, slag roof, pine floors, electric lighting, hollow metal sash, roof ventilators. Owner will take sub-bids.

**Residences** (100), Hershey, Pa., \$3,000 each. Architect, C. Emlen Urban, Woolworth Building, Lancaster, Pa. Owner, Hershey Chocolate Co., care of J. B. Leitheiser, Manager, Hershey. Frame and stucco, 2 stories, 26x28 feet, slate and shingle roof, electric lighting, pine floors. Plans in progress. Owners will build.

**School**, Arch street, York, Pa. Architect, P. A. Stair, Guardian Trust Building, York, Pa. Owner, School District, York, Pa. Brick, 23x55 feet, stone or concrete foundation, slag roof, maple and concrete floors, electric lighting (heating reserved). Owners have received bids.

**Bungalow**, Hanover, Pa. Architect, William Dempwolf, Hanover, Pa. Owner, J. E. Poist, Pleasant street, Hanover, Pa. Brick, 1 story, 33x56 feet slate roof, concrete foundations, steam heating, electric lighting, pine floors. Owner will build.

**Church**, York, New Salem, Pa. Architect, Edward Leber, Hay Building, York, Pa. Owner, Union Brethren Church, York, New Salem, Pa. Interior and exterior renovation, vestry, new seats, plastering, painting, etc. Plans in progress. Owner taking sub-bids.

**Residence**, Villanova, Pa. Architects, Bissell & Sinkler, Otis Building, Philadelphia. Owner, George R. Packard, 434 Walnut street, Philadelphia. Stone and stucco, 2½ stories, shingle roof, electric lighting, oak floors, tile and marble work. Plans completed. Architects will be ready for bids in a few days.

**Residence**, Elkins Park, Pa., \$6,000. Archi-

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tect, Paul Kampler, 1532 Land Title Building, Philadelphia. Owner, William L. Deal, Broad and Ruscomb streets, Philadelphia. Frame, 1½ stories, 25x30 feet, shingle roof, oak floors, hot air heating, electric lighting. Plans in progress.

**Farm House** (alts. and add.), Morgans Mill, Willow Grove, Pa. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owner, Methodist Church, care of Rev. Bishop Joseph F. Berry, Seventeenth and Arch streets, Philadelphia. Brick, 2½ stories, general renovation, new partitions, hot air heating, plumbing, plastering, painting. Architects taking bids due April 11th at 9 A. M. Harry Murphy, Willow Grove, Pa.; Fesmire Brothers, Glenside, Pa.; D. W. Sperry, Heed Building; F. E. Wallace, 1220 Chancellor street; F. A. Havens Co., 845 North Nineteenth street, and F. B. Davis, 240 North Sixteenth street, are figuring.

**Residence**, Manoa, Pa. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, name withheld. Stone and stucco, 2½ stories, 26x35 feet, shingle roof, oak floors, hot air heating, electric lighting, tile and marble work. Architect taking bids due April 11th. F. B. Davis, 240 North Sixteenth street, is figuring.

**Prison**, Media, Delaware County, Pa. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, Commissioners of Delaware County, Media, Pa. Stone, steel and concrete, 3 stories. Plans in progress. Too early for details.

**Residence** (alt. and add.), Dreshertown, near Jarrettown, Pa. Architects, Mellor, Meigs & Howe, 249 South Juniper street. Owner, C. J. Carey, on premises. Stone and stucco, 2 stories, 48x25 feet, shingle roof, oak floors, vapor or hot air heating (electric lighting, sewage disposal and water supply reserved), tile work. Architects will be ready for bids in one week.

**Home for Convalescent**, Newtown Square, Pa. Architect, C. W. Brazer, Crozer Building, Chester, Pa. Owner, name withheld. Stone, 1 and 2 stories, 300x100 feet, slate roof, fireproof floors, electric lighting, tile and marble work. Preliminary plans in progress.

**K. of C. Building**, Ninth and Welsh streets, Chester, Pa., \$75,000. Architect, Clarence Brazer, Crozer Building, Chester, Pa. Owner, K. of C. Council, care of architect. Stone, 3 stories, 60x60 feet, tile roof, stone foundations, electric lighting. Preliminary plans in progress.

**Double Houses**, 1538-40 Chestnut street, Chester, Pa. Architect, C. Brazer, Crozer Building, Chester, Pa. Owner, W. S. Gross-

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man, 216 East Fifth street, Chester, Pa. Brick, 2½ stories, 17x59 feet, slate roof, hardwood floors, steam heat, electric light, tile work. Architect taking bids. R. H. Scroggins, Crozer Building; William Provost, 1216 Walnut street, and H. Jackson, all of Chester, Pa., are figuring.

**Chapel**, 328 East Market street, Chester, Pa. Architect, C. Brazer, Crozer Building, Chester, Pa. Owner, Baptist Church, care of architect. Terra cotta, tile and stucco, 1 story, 73x34 feet, slag roof, pine floors, electric light. William Provost, Chester, taking sub-bids.

**Passenger Railway**, Frankford to Bustleton, Pa. Architect, private plans. Owner, City of Philadelphia, Department of City Transit, Merston Building. Grading, laying of track, 504-foot steel viaduct, 15,900 linear feet of girder rail type individual track, 32,200 linear feet of T rail individual track, granite block paving, concrete extensions of arched culverts. Owners taking bids due April 15th at noon. Standard Const. Co., 1713 Sansom street, and George F. Pawling Co., 1432 South Penn Square, are figuring.

**Garage and Warehouse**, Cheltenham, Pa. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owner, Commissioners of Cheltenham Township, Ogontz, Pa. Stone, 2 stories, 18x30 feet, and brick, 1 story, 30x80 feet. Plans in progress. Too early for details.

**Residence**, Rydal, Pa. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building. Owner, James R. Smith, care of architects. Brick, 2½ stories, 40x24 feet, shingle roof, oak and yellow pine floors, hot water heating, stone foundations, electric light, tile work. Architects taking bids, due April 14th. E. D. Lever, Abington, Pa.; M. E. Hauser, Glenside, Pa.; Specht & Sperry, Heed Building, are figuring.

**Residence**, Rydal, Pa. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building. Owner, Mrs. John S. Butler, Wyncote, Pa. Brick, hollow tile and plaster, 2½ stories, 40x24 feet, shingle roof, oak and yellow pine floors, stone foundations, hot water heating, electric lighting, plumbing, tile work. Architects taking bids, due April 14th. E. D. Lever, Abington, Pa.; M. E. Hauser, Glenside, Pa.; Specht & Sperry, Heed Building, Philadelphia, are figuring.

**Farm House (alts. and add.), and Garage**, Valley Forge, Pa. Architects, Seeburger & Rabenold, Weightman Building, Philadelphia. Owner, George C. Priestley, Land Title Building, Philadelphia. General alterations and 2 wing additions to house, hot water heating, electric lighting, tile and marble work, oak floors, plumbing. Garage, stone, plastered, 1½ stories, 24x69 feet, shingle roof. Architects taking bids, due April 16th. Pomeroy Const. Co., 1609 Ranstead street; J. Sims Wilson Co., 1125 Brown street; J. E. Kearney, 327 North Sixty-third street; A. Zellfelder, 151 South Broad street; Wills-Ludwick Co., 1708 Sansom street; Charles C. Pace, Merion, Pa., are figuring.

**Factory (add.)**, Rosedale, Pa. Architect, H. Maurer, Mt. Penn, Reading, Pa. Owners, Rosedale Knitting Co., Rosedale, Pa. Brick, 1 story, 160x280 feet, slag roof, concrete foundations, concrete floors. Owners taking sub-bids.

**Residence (alts. and add.)**, Clearfield, Pa. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, John Forsythe, Clearfield, Pa. Brick, 2½ stories, 21x31 feet, porch, shingle roof. Plans about completed. Will be ready for bids in a week.

**Residence (alts. and add.)**, Ardmore, Pa. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building. Owner, W. E. Somers, Jr., Ardmore, Pa. Stone and frame, 2½ stories addition, 14x20 feet, shingle roof, oak floors, heating and lighting extensions, tile work, plumbing. Architects taking bids, due April 14th, from Charles C. Pace, Merion, Pa.

**Garage**, Glen Riddle, Pa. Architects, Wilson, Eyre & McIlvaine, 1003 Spruce street, Philadelphia. Owner, Walter M. Jeffords, Glen Riddle, Pa. Stone and terra cotta, 2 stories, 67x39 feet, 21x46 feet, shingle roof, cement floors, hollow tile, metal lath, stone foundations, hot water heating, electric lighting, iron work. Architects are taking sub-bids.

**Residences (8)**, Collingdale, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner's name withheld. Brick and stucco, 2 stories, 16x42 feet, slag and shingle roof, pine floors, stone foundations, hot air heating, electric light. Builder, Christian Hansen, East Lansdowne, will take sub-bids in a few days.

Architect, private plans. Owners, Hinkson & Turner, Cambridge Building, Chester, Pa. Brick, 3 and 1 stories, 16x40 feet, 32x40 feet, 18x70 feet, 16x60 feet, slag roof, stone foundation, pipeless heater, electric lighting, tile and marble work, pine floors, hollow metal skylights, store fixtures, metal window guards. Contract awarded to R. H. Scroggins, Chester, Pa.

**Residence**, Reading, Pa., \$150,000. Architect, E. Z. Scholl, 136 Roberson street, Reading, Pa. Owner, W. H. Luden, 709 North Fifth street, Philadelphia. Indiana limestone, 3 stories, size irregular. Contract awarded to Beard Const. Co., Reading, Pa.

**Store and Business Building (alt. and add.)**, 719 Penn street, Reading. Architect, E. Z. Scholl, 136 Roberson street, Reading, Pa. Owner, M. Swartz, Penn street, Reading, Pa. Brick, 4 stories, 33x175 feet, composition roof, wood floors, metal front, plate glass, steam heat, electric light, tile and marble work, hollow metal skylights, store fixtures, renovation of two lower floors. Contract awarded to Beard Const. Co., Reading, Pa.

**Residence (alts.)**, 141 College avenue, Lancaster, Pa. Architect, private plans. Owner, C. Wellinger, on premises. General interior alterations, plumbing, painting, new walls, tile work. Contract awarded to F. Bachman, Woolworth Building, Lancaster, Pa.

**Com. Printing House (alt. and add.)**, 19 North Prince street, Lancaster. Architect, private plans. Owner, Miss M. McCulley, 804 North Manor lane, Lancaster, Pa. Brick, changing to store, new floors, steel and concrete work. Contract awarded to F. Bachman, Woolworth Building, Lancaster, Pa.

**Business Property (alts.)**, 34 North George street, York, Pa., \$5,000. Architects, Gemmill & Billmeyer, Rossmiller Building, York, Pa. Owner, Ed Herr, on premises. Modifying store rooms new front, fixtures, etc. Contract awarded to George Gilbert, York, Pa.

**Church**, Tenth and Tillman streets, Chester, Pa. Architect, private plans. Owner, Robert Jones, Chester, Pa. Hollow tile, 1 story, 30x36 feet, slag roof, stoves, electric light, pine floors. Contract awarded to R. H. Scroggins, Chester, Pa.

**Club House**, West Chester pike, Llanerch, Pa. Architect, George I. Lovatt, 420 Walnut street, Philadelphia. Owner, Llanerch Country Club, care of Thomas N. Fitzgerald, President, Llanerch, Pa. Stone, 3 stories, 77x51 feet, composition and asbestos shingle roof, cement and North Carolina pine floors, tile and terrazzo work (plumbing, heating and electric work reserved). Contract awarded to Milton W. Young, Overbrook, Philadelphia.

**Sanitarium Building**, Eaglesville, Pa. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Eaglesville Sanitarium, care of Mr. Schwab, Franklin Bank Building. Frame, 1 story, 25x40 feet, shingle roof, electric lighting, cement work, heating and plumbing. Contract awarded to P. M. Sax, Franklin Bank Building, Philadelphia.

**Residence**, Wynenfield, Pa., \$22,000. Architect, private plans. Owner, F. H. Martin, 5124 Hazel avenue, Philadelphia. Stone, 2½ stories, 22x38 feet, wing 12x18 feet, slate roof, oak floors, stone foundations, steam heat, electric light, tile and marble work. Contract awarded to Kessler Cont. Co., Drexel Building, Philadelphia.

**Store and Apartments**, Welsh, between Sixth and Seventh streets, Chester, Pa., \$8,000. Architect, private plans. Owner, Josiah Sleeper, Sleepers College, Chester, Pa. Three stories, 57x80 feet, glass, painting, general interior alterations. Contract awarded to R. H. Scroggins, Chester, Pa.

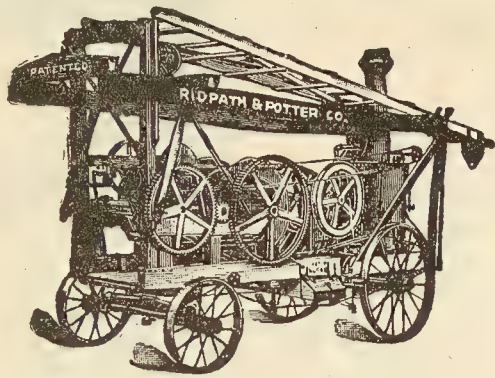
**Stores (4)**, West Fifth street, Chester, Pa.

## PENNSYLVANIA

### Contracts Awarded

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## NEW JERSEY Construction News

**School Building**, Yorkship Village, Camden, N. J. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owner, Board of Education, Camden, N. J. Brick, 2 stories. Plans in progress. Too early for details.

**Paving, etc.**, Gloucester Housing Project, Noreg Village, N. J. Engineer, William H. Boardman, 426 Walnut street, Philadelphia. Owner, United States Shipping Board, on premises. Cement and concrete work, street pavements, curbs, gutters, street and house walks, etc. Engineer taking bids due April 10th at noon. Edw. F. Bennis, Germantown and Cheltenham avenues; Suburban Eng. & Const. Co., Atlantic City, N. J.; Hugh Nawn Const. Co., Camden, N. J.; Standard Const. Co., 1713 Sansom street; F. Guy Meyers Co., Inc., 1218 Chestnut street; J. S. Rogers Co., Drexel Building; Providence Paving & Cont. Co., Land Title Building; Fred M. Ramsdell, Real Estate Trust Building; M. Marks, Pennsylvania Building; Charles Doeblor, Holmesburg; William Linker Co., 831 Cherry street; Carter Paving Co., 631 North Nineteenth street; Barber Asphalt Paving Co., Thirtieth and Race streets; J. H. Ott & Co., Real Estate Trust Building; G. E. Cantrell, Real Estate Trust Building; Andrew O'Neill, 127 East Mermaid Lane, Chestnut Hill; Frank B. Sweetem, Camden, N. J.; Sutton & Carson, Ocean City, N. J.; Thomas J. Buckley Co., 303 Fifth avenue, New York City, and Rangeley Const. Co., 405 Lex avenue, New York City, are figuring.

**Jail (add.) and Warden's House**, Toms River, N. J. Architect, Thomas Stephen, Temple Building, Camden, N. J. Owner, Ocean County Board of Freeholders, Toms River, N. J. Stone, hollow tile and stucco,

add. 2 stories, 35x36 feet, house, 2½ stories, 28x40 feet, slag roof, hardwood floors, electric lighting. Jail, steel cells, reinforced ceiling and floors, hollow metal doors, roof ventilators, metal window guards, iron stairs. Plans in progress.

**Residence (alt. and add.)**, Pine Valley, N. J. Architects, Mellor, Meigs & Howe, 249 South Juniper street, Philadelphia. Owner, G. S. Ireland, Pine Valley, N. J. Frame (lighting, sewage and water supply reserved). Plans in progress. Details undecided.

**Bank**, Riverside, N. J., \$75,000. Architect, Wm. Kleemann, First National Bank Building, Trenton, N. J. Owners, Riverside Trust Co., Riverside, N. J. Stone and brick, 1 story, 50x100 feet, slag roof, marble and cork floors, stone foundations, electric light, tile and marble work, vaults, bronze, roof ventilators, metal window guards, bank fixtures. Plans in progress.

**Building (alts.) to Store and (4) Apartments**, Bordentown, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owner, James Popkin, Bordentown, N. J. Brick, 3 stories, steam heat, tile work, pine floors, painting, plumbing, alterations. Plans in progress.

**Residence (alts.)**, 312 Chestnut street, Trenton, N. J. Architect, Wm. Kleemann, First National Bank Building, Trenton, N. J. Owner, J. D. Leavitt, on premises. Stone, wood and glass porch. Plans in progress.

**School (add.)**, Bridgeboro, N. J. Architect, Wm. Kleemann, First National Bank Building, Trenton, N. J. Owners, Delau Township School Board, Burlington County, N. J. Brick, 1 story, 40x48 feet, slag roof, steam heat, maple floors, roof ventilators. Plans in progress.

## NEW JERSEY Contracts Awarded

**Residence**, Barrington Heights, N. J. Architects, Fred T. Uezzell, 717 Walnut street, Philadelphia. Owner, Henry Uezzell, R. F. D. No. 1, Collingswood, N. J. Brick and stucco, 2 stories, 30x32 feet, slate roof, oak floors, concrete foundation (hot water heat reserved), combination light, tile work. Contract awarded to Walter Miller, Haddon Heights, N. J.

**Dairy (add.)**, North Broad street, Trenton, N. J. Architect, Wm. Kleemann, First National Bank Building, Trenton, N. J. Owners,

Castania Dairy Co., North Broad street, Trenton, N. J. Brick, 2 stories, 25x45 feet, slag roof, cement floors, electric lighting, tile work. Contract awarded to S. W. Mathers, 30 South Clinton street, Trenton, N. J.

**Dwellings (8)**, West State street, Trenton, N. J., \$44,000. Architect, private plans. Owner, Albert F. Roberts, the Westfield, Trenton, N. J. Brick, 2½ stories, 16x35 feet, slate roof, stone foundations, steam heating, electric lighting, tile work, pine floors. S. & A. J. Keastow, Trenton, N. J., will build.

**House (add.)**, White Horse Pike, West Collingswood, N. J. Architect, T. Stephen, Temple Building, Camden, N. J. Owner, W. L. Hurley, White Horse Pike, West Collingswood, N. J. Frame, 2 stories, 10x15 feet, tin roof, electric lighting. Contract awarded to Fred Lange, Audubon, N. J.

**Factory (add.)**, Camden, N. J. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Esterbrook Pen Co., Camden, N. J. Concrete, third story addition, 16x17 feet, slag roof, rolled steel sash. Contract awarded to Potts & Cooperson, 1026 Wood street, Philadelphia.

## Maryland Construction News

**Store Building (alts.)**, 308 West Lexington street, Baltimore, Md. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, E. Pohl Co., on premises. New front and interior alterations, 4 stories brick work, copper work, 21x130 feet, slag roof, hardwood floors, steam heating, electric lighting, tile and marble work, metal lath (1) elevator. Architect taking bids due April 12th. John Hiltz & Sons, Baltimore, Md., is figuring.

**Residence**, Hagerstown, Md. Architect, R. Brognard Okie, Crozer Building, Philadelphia. Owner, Charles L. Howell, Hagerstown, Md. Frame, 2½ stories, 25x66 feet, shingle roof, pine floors, hot air heating, screens. Architect taking bids. Clinton Crovinger, Aaron Riecher, W. L. Middlekauff, all of Hagerstown, Md., and Hicks, Tase & Morris, Baltimore, Md., are figuring.

**Moving Picture Theatre (alts.)**, Edmondson avenue and Bridge street, \$20,000. Architects, Sparklin & Childs, Fidelity Building, Philadelphia. Owners, Edmondson Amusement Co., on premises. Changing two theatres into one, steam heating, electric lighting, ornamental iron work, metal ceilings, skylights, ventilators, reinforced concrete, fireproofing, damp-proofing, hollow tile, metal lath, painting, plumbing, tile, marble and terrazzo work, composition floors. Plans in progress.

**Store (alts.)**, 1245 Light street, Baltimore, Md. Architect, John Freund, Jr., 16 East Bidle street, Baltimore. Owner, Henry DuBois, on premises. New front, plate glass, heating, electric lighting, ornamental iron work, tile, marble and terrazzo work, plumbing. Architect taking bids. Singer-Pentz Co., Equitable Building, Baltimore, figuring.

**Signal Tower**, Sparrows Point, Md. Architect, private plans. Owners, United Railways and Electric Co., Continental Building, Baltimore. Reinforced concrete, 2 stories, 12x12 feet, tile roof, heating, steel and iron work, ventilators, metal lath, painting, plumbing, plastering. Owners have received bids.

**Bungalow**, Harford Road and Echodale avenue, Baltimore, Md. Architects, Blanke & Zink, 211 North Calvert street, Baltimore. Owner, J. F. Simons, care of architects. Frame, 1½ stories, slate roof, pipeless heater, electric lighting, plastering, painting, plumbing, tile work. Plans in progress.

**Bungalow**, Harford Road and Echodale avenue, Baltimore. Architects, Blanke & Zink, 211 North Calvert street, Baltimore. Owner, Paul Schroetter, care of architects. Frame, 1½ stories, slate roof, pipeless heater, electric lighting, ventilators, painting, plumbing, tile work, hardwood floors, refrigerator. Plans in progress.

**Building**, Timonium, Md., \$10,000. Architects, Mottu & White, 324 North Charles

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street, Baltimore. Owners, Maryland State Fair and Agricultural Society, Louis McL. Merryman, president, Cockeysville, Md. Concrete, 1 story, 50x90 feet. Plans in progress. Will take bids in about two weeks.

**Garage, Stables and Apartment**, Charles Street avenue, Baltimore. Architect, H. I. Kavanaugh, 913 North Charles street, Baltimore. Owners, Notre Dame College, on premises. Stone, 2½ stories, 40x70 feet, tile roof, hot water heating, electric lighting, ornamental iron work, ventilators, galvanized iron work, reinforced concrete work, hollow tile, fireproofing, painting, plastering, plumbing, tile and terrazzo work, composition floors, dumbwaiters. Plans in progress.

**School**, York Road, Springdale and Star Lane, Baltimore, Md. Architect, Hugh I. Kavanaugh, 913 North Charles street, Baltimore. Owners, Blessed Sacrament Parish, on premises. Brick, stone trim, 2 stories, 60x100 feet, slag roof, steam heating, electric lighting, ornamental iron work, fire escapes, skylights, ventilators, reinforced concrete, fireproofing, dampproofing, hollow tile, metal lath, painting, tile and terrazzo work, composition floors. Plans about completed. Will be ready for bids in a few days.

**Bank and Business Building (alts.)**, 407-13 West Franklin street, Baltimore, \$20,000. Architects, Callis & Callis, 2055 Kennedy avenue, Baltimore. Owner, Harry L. Wilson, Fayette and Pearl streets, Baltimore. Interior alterations, new front, hot water heating, electric light, hand elevators, ornamental iron work, bronze, copper and galvanized iron work, metal ceilings, skylights, ventilators, vault, fireproofing, dampproofing, tile, marble, slate and terrazzo work, hardwood floors, dumb waiters, hand elevators. Owner is taking bids. Adam Kratz, 343 South Smallwood street, Baltimore, is figuring.

**Building (add.)**, 605-07 West North avenue, Baltimore, Md. Architect, William H. Emory, Munsey Building, Baltimore. Owner, Wilcox Brown Motor Company, on premises. Brick, 2 stories, slag roof, electric light, electric elevator, metal doors, sylights, ventilators, fireproofing, plastering, painting, plumbing, terrazzo work, composition floors. Owners will take bids in a few days.

**Factory**, Key Highway and Harvey street, Baltimore, Md. Architects, Otto Kubitz, 1004 Emerson Tower, Baltimore. Owner, Mangels-Herold Co., Baltimore, Md. Brick and steel, 3 stories, 50x168 feet, slag roof, stone trim, steam heating, electric lighting, electric elevators, steel doors, skylights, ventilators, reinforced concrete, dampproofing, hollow tile, plastering, painting, plumbing, composition floors. Architect taking bids. Consolidated Eng. Co., Price Const. Co., and E. H. Mosher, all of Baltimore, Md., are figuring.

**Warehouse**, Eastern avenue, near Caroline street, Baltimore. Architect, George R. Callis, Jr., Melvin avenue, Catonsville, Md. Owner, Louis Blaustein, American Building, Philadelphia. Brick and mill construction, 4 stories, 63x68 feet, slag roof, electric lighting, electric elevator, skylights, painting, plumbing. Owner will take bids in a few days.

## Maryland

### Contracts Awarded

**Apartment**, Greenway and Charles street, Baltimore, Md. Architects, Parker, Thomas & Rice, Union Trust Building, Baltimore. Owner, care of George R. Dehman, Jr., 1105 Union

Trust Building, Baltimore. Brick, steel and concrete, 4 stories, 75x125 feet, stone and marble trim, tile and slag roof, steam heat, electric lighting, ornamental iron work, fire escapes, metal ceilings, skylights, ventilators, fireproofing, dampproofing, terra cotta, hollow tile, stucco, metal lath, tile, marble and terrazzo work, composition floors, hardwood floors, dumb waiters. Contract awarded to Frainie rothers & Haigley, 18 Clay street, Baltimore.

**Bank**, Glenburnie, Md. Architect, Robert L. Harris, Baltimore, Md. Owner, Glenburnie Bank, Branch of Eastern Shore Trust Co., P. Morgan, Cashier. Brick, 1 story, 42x36 feet, slate roof, bank fixtures, vault, steel doors, steam heating, electric lighting. Contract awarded to Edward Woodfall, Glenburnie, Md.

**Building (alts. and add.)**, 3313-15 Eastern avenue, Baltimore. Architects, Blanke & Zink, 211 North Calvert street, Baltimore. Owner, Paul Herda, on premises. Brick, rear addition, new front, metal ceilings, skylights, ventilators, metal lath, tile work, composition floors, dumb waiters, electric lighting, heating. Contract awarded to E. Eyring & Son, 800 South Third street, Baltimore.

**Residence**, near Towson, Md. Architects, Walter M. Gieske, Gunther Building, Baltimore. Owner, W. Gill Smith, Second National Bank Building, Towson, Md. Frame, 2½ stories, slate roof, hot water heating, electric lighting, plastering, painting, plumbing, interior tile, hardwood floors, refrigerators. Contract awarded to Oscar C. Hook, Riderwood, Md.

## Miscellaneous Construction News

**Store and Dwelling**, Second and Jessup streets, Wilmington, \$4,175. Architect, private plans. Owner, Max Levin, on premises. Brick, 2 stories, 17x41 feet, slag roof, stone foundations hot air heating, wood floors. Contract awarded to Stanislaus Tabasso, 1912 West Ninth street, Wilmington, Del.

**Storage Warehouse**, Fifth and Walnut streets, Wilmington, Del. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner, Retail Grocers' Exchange, on premises. Fireproof, brick, stone and concrete, 4 stories, slag roof, electric light, elevators. Contract awarded to Concrete Const. Co., 1618 Thompson street, Philadelphia.

**Naval Mine Depot (10 Buildings)**, Yorktown, Va., Spec. 3831. Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Washington, D. C. Brick, reinforced concrete, steel, hollow tile and stucco, Executive and (4) Junior Officers' quarters, Administration Building, Scrub House, Barracks, Mess Hall, Non-Magnetic Building, tin, built-up, ready, shingle and slag roof, concrete and wood floors, hollow tile, metal lath, concrete foundations, steam heat, electric lighting, tile and terrazzo work, hollow metal sash, metal lath, roof ventilators, dampproofing, concrete hardener, screens, iron work. Owners taking bids, due April 21st. Warren-Moore Co., Colonial Trust Building, are figuring.

**Oxacetylene Gen. Plant**, Spec. 3772, and **Galvanizing Plant**, Norfolk, Va. Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Washington, D. C. Reinforced concrete, steel and brick, 1 and 2 stories, 80x150 feet, 38x1114 feet and

40x42 feet, built-up roof, concrete floors, hollow tile, concrete foundations, steam heat, electric light, rolled steel sash. Owners taking bids, due April 21st, 11 A. M. Hughes-Foulkrod Co., Commonwealth Building, figuring. Deposit of \$10.00.

**Bridge**, Kingston, Ulster County, New York. Engineer, Wm. Russell Davis, Albany, N. Y. Owners, Highway Department, New York State, Albany, N. Y. Steel and concrete. Owners taking bids, due April 22nd. Warren-Moore Co., Colonial Trust Building, are figuring.

## Proposals

### INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., March 26, 1919. SEALED PROPOSALS will be opened in this office at 3 P. M., April 30, 1919, for remodeling the annex to the United States Post Office at Brooklyn, N. Y. Drawings and specifications may be obtained from the Supervising Chief Engineer, 731 Custom House Building, New York, N. Y., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

### Permits for New Buildings

Machine Shop, D street and Erie avenue, \$9,000. Albro-Clem Elevator Co. (O), on premises. Brick, 1 story, 60x80 feet. Robert E. Lamb Co. (C), 843 North Nineteenth street. Garage, 1139 Arrott street, \$600. Camille DeMott Doering (O), on premises. Brick, 1 story, 16x18 feet. C. Bonner (C), 2838 North Front street.

Garage, 150 West Washington lane, \$2,100. E. N. Simons (C), on premises. Brick, 1 story, 20x22 feet. William C. Wright (C), 22 Harvey street.

Garage, 634 South Fifty-seventh street, \$659. S. S. Kramer (O), on premises. Brick, 1 story, 16 feet 9 inches x17 feet 6 inches. Thomas P. Moran Co. (C), 6609 North Twenty-first street.

Garage, 2739 North Howard street, \$500. Peter J. Scully (O), 4814 North Twelfth street. Brick, 1 story, 18x84 feet. Owner will build.

Garage, west side of Broad street, south of Passyunk avenue, \$2,600. E. G. Kolb (O), Fifteenth and Snyder avenue. Brick, 1 story, 17x91 feet. H. F. Dinkleacker (C), 227 North Farson street.

Garage, 4358 North Darien street, \$600. Ed. Munch (O), 4357 North Ninth street. Brick, 1 story, 15x19 feet. Edw. B. Miller (C), 3927 North Sixth street.

Dwellings (27), Sixty-second and Lebanon avenue, \$148,500. Calvin W. Rogers, 4826 Walnut street (O and C). Brick, 2 stories, 16 feet and 12 feet 10 inches x32 feet and 13 feet. Slag roofing, hot water heating.

Dwellings (7), Sixty-second and Osage avenue, \$28,000. Charles E. Biddle (O and C), 1105 Real Estate Trust Building. Brick, 2 stories, 15 feet and 12 feet x30 feet and 10 feet, slag roofing, hot water heating.

Dwelling, northeast corner Sixty-second and Osage avenue, \$5,000. Charles E. Biddle (O and C), 1105 Real Estate Trust Building. Brick, 15x40 feet, slag roof, hot water heating.

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Dwellings (3), north side of Woodland avenue, west of Fifty-eighth street, \$28,500. John H. McClatchy, 848 Land Title Building (O and C). Brick, 3 stories, 48x20 feet, slate roofing, hot water heating.

Store and Dwelling, \$8,500, southeast corner Marshall and Parrish streets. Goldstein & Bralow Brothers (O), Seventh and Mercy streets. Brick, 3 stories, 18 feet 2 1/4 inches x 60 feet 6 1/4 inches, slag roof, hot air heating. Nathan Litman (C), 2030 South Fifth street.

Store and Dwelling, east side of Marshall street, south of Parrish street, \$5,000. Goldstein & Bralow Brothers (O), Seventh and Mercy streets. Brick, 3 stories, 16 feet and 13 feet x 32 feet and 18 feet. Nathan Litman (C), 2030 South Fifth street.

Shop, Wyoming and Rising Sun avenues, \$500. George Nagel (O and C), on premises. Brick, 1 story, 16x35 feet, slag roof.

Garages (2), 334 Rector street (rear), \$1,800. Alex. Wilson (O), 334 Rector street. Brick, 1 story, 10x21 feet, slag roof. Waltter Rowland (C), Lyceum and Dexter streets.

Garage, 528 East Johnson street, \$300. Sophie H. Borel (O), on premises. Brick, 1 story, 13x18 feet. F. C. Borel, Jr. (C), 5426 Vine street.

Dwellings (7), \$56,000, north side of Wingo-hocking street, east of Eleventh street. Maurice Rose (O), 1112 Widener Building. Brick, 3 stories, 16 feet and 16 feet x 34 feet and 26 feet. Rose Const. Co. (C), 1112 Widener Building.

Dwelling, City Line and Overbrook avenue, \$20,000. Morris Estate (O). Stone, 2 1/2 stories, 47 feet 6 inches and 19 feet 6 inches x 26 feet and 32 feet, shingle roof, hot water heating. Alfred James (C), Bala, Pa.

Garage, Mulberry and Wakeling streets, \$15,500. E. Snowden (O), 4964 Hawthorne street. Brick, 1 story, 80x117 feet, slag roof, steam heating, electric lighting, cement floors, roof ventilators. Rush Brothers (C), 1102 Fillmore street.

Garage, 1133 Harrison street, \$300. John McGill, Jr., and wife (O), on premises. Brick, 1 story, 16 feet 9 inches x 19 feet. Ed. C. Dreby (C), 1145 Harrison street.

Garage, Sixty-sixth and Haverford avenue, \$1,250. J. Simpson Sons (O), on premises. Brick, 1 story, 20x57 feet, slag roofing. Thomas F. Devine (C), 6930 Haverford avenue.

### Alterations and Additions

Store and Dwelling, 4326 Frankford avenue, \$600. John B. Sidebotham (O), 4317 Griscom street. George River (C), 4842 Hawthorne street.

Store and Dwelling, 4324 Frankford avenue, \$1,200. John B. Sidebotham (O), 4315 Griscom street. George River (C), 4842 Hawthorne street.

Bank Building, 517 Chestnut street, \$350. Pennsylvania Co. (O), on premises. H. W. Geshwind (C), 761 North Twenty-sixth street.

Workshop, 2023 Sansom street, \$1,200. Chas. Nausbaum Bros. (O), on premises. Hogg Const. Co. (C), 1634 Sansom street.

Dwelling, 3816 West Girard avenue, \$500. George Wiss (O), on premises. J. Gorchow (C), 4116 West Girard avenue.

Addition, 530 Westview street, \$2,700. Frank Ranier (O), on premises. J. S. Cornell & Son (C), Morris Building.

Store and Dwelling, Girard and Columbia avenue, \$300. C. W. Shull (O), on premises. Matthew Schmidt (C), 1308 North Sixth street.

Garage, Twentieth and Allegheny avenue, \$2,800. Electric Storage Battery Co. (O), Nineteenth and Allegheny avenue. William Steele Sons & Co. (C), 1600 Arch street.

Garage, 2842 Boudinot street, \$2,500. Wm. L. Shields (O), 2844 Boudinot street. E. E. Hollenback, Inc. (C), 1804 Brandywine street.

Retining Wall, Cheltenham avenue and York Road, \$500. Joseph Wharton Estate (O), York Road and Cheltenham avenue. John H. Dagney (C), York Road and Sixty-ninth street.

Coal Bins, Twentieth and Oregon avenue, \$2,400. Estate Stephen Girard (O), Lafayette Building. Lam Building Co. (C), 1001 Wood street.

Well on Support Concrete Footings, southeast corner of Aramingo and Huntingdon streets, \$2,000. J. Lewis & Bro. (O), on premises. Turner Concrete Co. (C), 1713 Sansom street.

Store, 29 South Eighteenth street, \$800. F. P. Mellon Estate (O), 34 South Seventeenth street. George C. Dougherty (C), 1715 Ludlow street.

Store, 20 South Seventeenth street, \$1,200. E. P. Mellon (O), 34 South Seventeenth st. George C. Dougherty (C), 1725 Ludlow street.

Dwelling, 218 East Wyoming avenue, \$500. D. L. Siuter, O and C, on premises.

Dwelling, 6113 Market street, \$900. Santi Calgolari (O), 1419 Stillo street. Duckworth Hartman Co. (C), 9 South Fifty-fourth street.

Apartments, Seventeenth and Norris sts., \$900. A. L. Sharffen (O), 1601 West Norris street. B. Landan (C), 1216 North Fourth street.

Store and Dwelling, 206 North Second street, \$850. John Leivezy (O), Allen Lane, Germantown. A. Yermanack (C), 2828 Cambridge street.

Dwelling, 2670 Tulip street, \$500. John Jamison (O and C), 2581 East Huntingdon street.

Dwelling, 2648 Orthodox street, \$600. G. Ciao (O), on premises. C. Testa (C), 112 Annin street.

Stable, 5114 Thompson street, \$300. Mrs. Herran (O), on premises. O. Koons (C), 5218 Harlan street.

Factory, Richmond and Kennedy streets, \$2,500. Charles Lennig Co. (O and C), 112 South Front street.

Foundry and Factory, 1613-15 North Front street, \$1,200. Lloyd Garrett Co. (O), 229 North Twenty-third street. Mitchell Bros. (C), 2125 Race street.

Warehouse, Thirtieth and Race streets, \$35,000. Pennsylvania R. R. (O). Brann & Stuart (C), Commercial Trust Building.

Dwelling, 128 South Sixtieth street, \$4,500. Serpanke Copacion (O), 5926 Walnut street. A. M. Mahjoubian (C), 5926 Walnut street.

Bottling Building, Thirty-first and Thompson streets, J. & P. Baltz Brewing Co. (O and C). Thirty-first and Thompson streets.

Shop, Seventh and Cayuga streets, \$1,900. John Heinel (O), Sixth and Lycoming streets. John H. Clark (C), 5421 North Fifth street.

Dwelling, 2420 South Beulah street, \$600. D. Schwartz (O), on premises. J. Gordon (C), 425 Moore street.

Dwelling, 1622 North Broad street, \$500. William T. Clark (O and C), on premises.

Store, Seventh and Arch streets, \$1,800. M. Goldberg & Son (O), Eighth and Arch streets. Lam Building Co. (C), 1001 Wood street.

Factory, 1645 North Thirty-third street, \$800. John Kohn (O and C), 2204 Natrona street.

Dwelling, \$325. Frank Sohlinger (O), 2010

East Cambria. John Humphries (C), 2526 South Fifth street.

Shop, 1233 Ludlow street, \$450. The Provident Life & Trust Co. (O), 409 Chestnut street. A. P. Frain (C), 319 Market street.

House, 2116 Venango street, \$1,500. A. P. Maloney (O), on premises. J. Tomlinsosn (C), Seventeenth and Venango streets.

Dwelling, 1621 Diamond street, \$1,500. H. W. Wehmeyer (O), on premises. Joseph F. Myers, Jr., & Co. (C), 1237 Ridge avenue.

Dwelling to Apartments, 1606 North Sydenham street, \$900. William F. Weber (O and C), on premises.

Dwelling, 2164 East York street, \$720. Louis Schaeffer (O), 2434 Frankford avenue. James Dykes (C), 2189 East Norris street.

Dwelling, Twelfth and Shunk streets, \$575. Max Friedman (O), 2600 South Camac street. Charles Schlechman (C), 3108 Westmont street.

Dwelling, 302 West Columbia avenue, \$335. Leopold Yost (C), 302 West Columbia avenue. Aug. Arzheimer (C), 2116 North Fourth street.

Store, 524 South Twenty-third street, \$400. Mr. Tolna (O), 416 South Twenty-third street. Frank D iMarco (C), 1224 Christian street.

Store and Dwelling, 2821 Kensington avenue, \$2,200. I. Rosenstein (O), 2829 Kensington ave. H. Brocklehurst (C), 512 West Norris street.

Store and Storage, 1420 Vine street, \$450. Nathan Benson (O), on premises. Michael Kinbner (C), 421 Snyder avenue.

Store, 2838 Germantown avenue, \$800. Frank Chabrow (O), on premises. S. Svileckovsky (C), 603 Morris street.

Dwelling, 1136 South Eleventh street, \$1,100. M. Mandone (O), on premises. Alfonso Pili (C), 1209 South Thirteenth street.

Dwelling, 1738 West Diamond street, \$680. Mr. Brown (O), on premises. Charles A. Carr (C), 1841 Ginnodo street.

Dwelling, 1103 Diamond street, \$1,025. M. Snyder (O), on premises. J. Shenkman (C), 233 Duncannon street.

Dwelling, Eighteenth and Washington avenue, \$3,200. L. L. Mink (O), on premises. Max Cutler (C), 1220 North Twenty-first street.

Office, Third and Vine streets, \$4,500. Monarch Machinery Co. (O), on premises. Jacob Myers Sons Co. (C), 608 Witherspoon Building.

Factory, 1508-14 North Mascher street, \$4,500. Fred K. Mills (O), 3508 Lancaster avenue. John E. Keamey (C), 327 North Sixty-third street.

Store, 1734 Market street, \$4,000. A. Markells (O), on premises. Henry Miller (C), 427 Catharine street.

Office, west side of York street, east of Cedar street, \$9,000. H. W. Butterworth & Sons (O), Cedar and York streets. William Steele & Sons (C), 1600 Arch street.

Dwelling, 147 South Sixty-third street, \$550. Sydney Aronberg (O), 5741 Pine street. J. Kelley (C), 30 South Fifth street, Darby, Pa.

Store, Eleventh and Chestnut streets, \$950. F. L. Brown, agent (O), 127 South Broad street. A. MacTavish (C), 1515 Pine street.

Store, 631 Passyunk avenue, \$300. Joseph D. Cohen (O), 523 South Fifth street. Abc Shestack (C), 528 Reed street.

Store Building, Sixth and Ritner streets, \$1,400. Sam Rosenberg (O), on premises. Morris Selegman (C), 129 Roseberry street.

Milk Dairy, Forty-fifth and Parrish streets, \$1,200. Scott Powell (O), on premises. Geo. P. Einwechter (C), 241 South Fifty-eighth street.



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Face, Etc.).

O. W. Ketcham.....Builders' Exchange, Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.  
Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.  
Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.  
Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.  
General Fireproofing Co.....832 Arch st., Phila.  
Henry S. Harris.....Land Title Bldg., Phila.  
Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truscon Steel Co....Commonwealth Bldg., Phila.

## Floor Plates.

Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.  
Morris Wheeler & Co.30th and Locust sts., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.  
Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Insurance.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.  
Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.  
Harris J. Latta.....Penna. Bldg., Phila.  
Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Iron and Steel Bars and Plates.

Morris Wheeler & Co.30th and Locust sts., Phila.

## Levels.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Light Iron Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lumber.

Wm. Lloyd Co.....29th and Ridge ave., Phila.  
James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.  
Italian Marble Mosaic Co...433 Spruce st., Phila.  
Roman Mosaic and Tile Co..435 Green st., Phila.

## Metal Lath.

Audubon Wire Cloth Co., Inc.....Audubon, N. J.  
Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.

General Fireproofing Co.....832 Arch st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truscon Steel Co....Commonwealth Bldg., Phila.

## Metal Lath Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Metal Tiles and Shingles.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Meters.

Philadelphia Meter Co.,  
Real Estate Trust Bldg., Phila.

## Mill Supplies.

The Fairbanks Co.....7th and Arch sts., Phila.

## Paints and Varnishes.

The Barrett Company,  
New York and Philadelphia.  
Felton, Sibley & Co.....136 N. 4th st., Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

## Pipe Fittings and Valves.

The Fairbanks Co.....7th and Arch sts., Phila.

## Plumbing Fixtures.

Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Preservatives (Wood and Concrete).

The Barrett Co.....New York City and Phila.

## Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Refrigerators.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.

## Reinforcing Bars.

Morris Wheeler & Co.30th and Locust sts., Phila.  
Truscon Steel Co....Commonwealth Bldg., Phila.

## Roofing.

The Barrett Co.....New York City and Phila.

## Roofing Tile.

O. W. Ketcham.....Builders' Exchange, Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Roofing Tin.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Roofing Slate.

William Moore Co.....1506 Sansom st., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

## Screens.

Thos. J. Malia.....141 Wentz st., Phila.

## Slate.

William Moore Co.....1506 Sansom st., Phila.

## Soundings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Structural Slate.

William Moore Co.....1506 Sansom st., Phila.

## Structural Steel.

Morris Wheeler & Co.30th and Locust sts., Phila.

## Surety Bonds.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.  
Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Tile and Terrazzo Work.

Belfi Bros. & Co.....1923 Market st., Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

Italian Marble Mosaic Co...433 Spruce st., Phila.  
Roman Mosaic and Tile Co..435 Green st., Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Tiling.

William Moore Co.....1506 Sansom st., Phila.

## Transits.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Ventilators.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Wall Board.

## Ceil Board.

James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Water Paint.

Wm. B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Waterproofing.

The Barrett Co.....New York City and Phila.

## Water Supply.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Weather Strip (Metal).

American Metal Weather Strip,  
2118 Diamond st., Phila.  
Thos. J. Malia.....141 Wentz st., Phila.

## Wire Work.

Audubon Wire Cloth Co., Inc....Audubon, N. J.



1792

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1919



## Insurance Company of NORTH AMERICA PHILADELPHIA

### ASSETS

|                                      |                 |
|--------------------------------------|-----------------|
| Bonds and Stocks.....                | \$24,280,745.19 |
| Cash in Banks.....                   | 2,395,335.33    |
| Premiums in course of transmission.. | 3,203,681.96    |
| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

### LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

Total Liabilities ..... \$30,801,413.40

Surplus to Policyholders..... \$ 12,922,516.93  
Losses paid since organization 203,147,689.78

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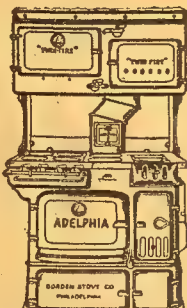
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**RANGES FOR STRAIGHT COAL OR COMBINATION COAL AND GAS**



**TANK HEATER**

We are also Eastern Agents for the celebrated PITTSBURG line of automatic and tank gas water heaters. Our centrally located showrooms present one of the finest assortments in the city, and the architect or client is always assured of a hearty welcome. Our complete stocks carried at all times enable us to render that same BORDEN SERVICE—since 1878—and last but not least—our prices are right, too!

**BORDEN STOVE CO.**

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**PHILADELPHIA**



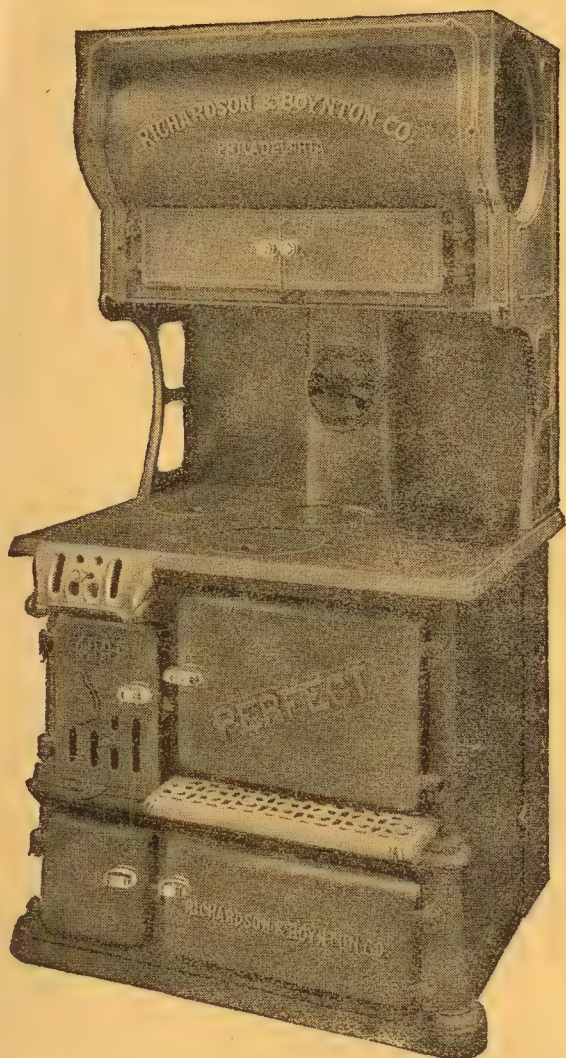
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 16  
April 16, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

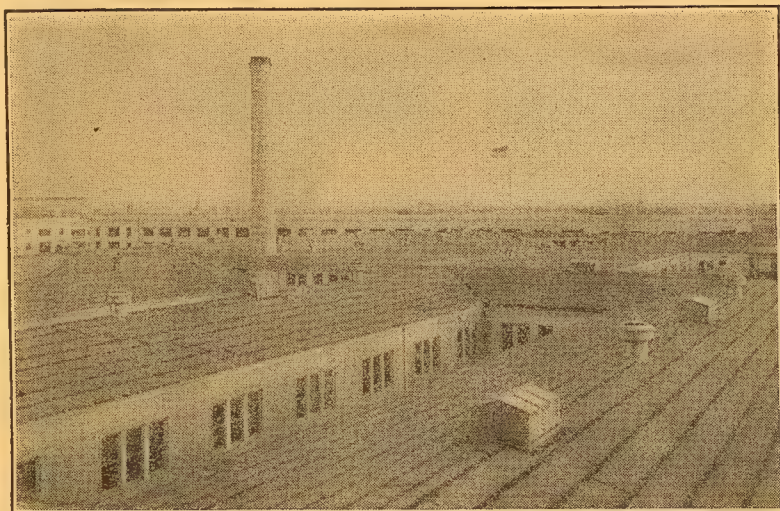
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We also manufacture Evans "ALMETL" Fire Doors and Shutters, Metal Tiles and Shingles, approved by the U. S. Gov., and High Grade Roofing Tin.

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NEW YORK PHILADELPHIA WHEELING  
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TRUSCON STEEL WINDOWS

TRUSCON STEEL COMPANY  
Formerly TRUSSED CONCRETE STEEL COMPANY  
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Philadelphia





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are built on anchor posts which are driven into the ground and then held rigidly erect by two Anchor stakes driven diagonally through slots clamped to the sides of the posts.

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**225 COMMONWEALTH BUILDING**

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should be used wherever a sanitary floor is desired. Practically noiseless, it is the ideal floor for schools, public buildings, railway stations, stores, kitchens, etc.

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DO YOU

use the hod carrying  
method of elevating  
brick, mortar, cement,  
etc.? It's too old fash-  
ioned—too slow and cost-

ly—for present day building work.

"LITTLE GENERAL" MATERIAL ELEVA-  
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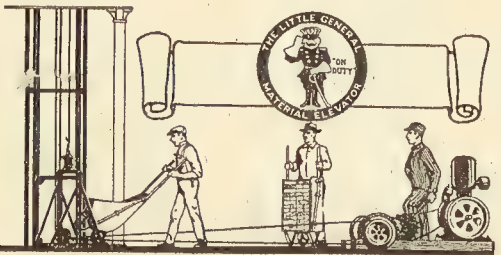
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One man to load the elevator, one man to dis-  
tribute the barrows and one man at the hoist will  
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Easy to erect, easy to  
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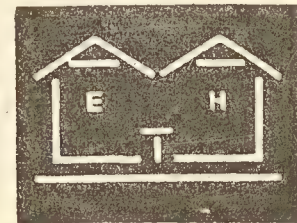
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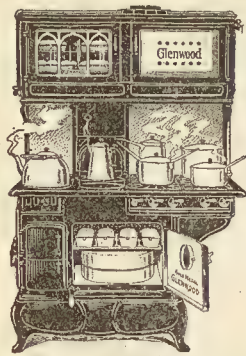
**Pearce Fireproof Co.**

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Bell Phone, Locust 3924

Keystone, Race 4434



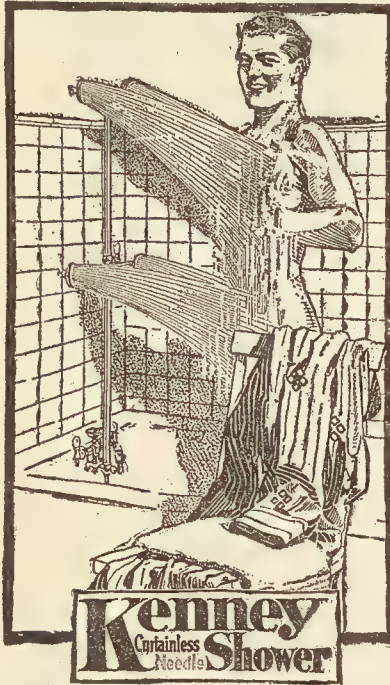


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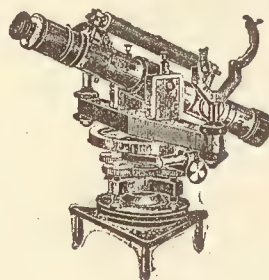
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A very reliable instrument for Architects and Contractors.

12-inch achromatic telescope, cross hairs, sun-shade and cap. Clamp and tangent to vertical axis, horizontal circle to degrees, by vernier to 5 minutes.

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Low cost and easily installed.

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Fine Plumbing Goods and Heating Materials.  
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BUCK WHITE LEAD—A Combination white paint.  
CROWN PAINTS—Ready Mixed. semi-liquid, paste.  
COLORS—in oil Japan, distemper, dry.  
VARNISHES—Elastic, durable, lustrous.

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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 16

PHILADELPHIA  
April 16, 1919

## BUILDERS' GUIDE

OFFICES, PERRY BUILDING (Suite 824-825-826)  
Sixteenth and Chestnut Sts., Philadelphia, Pa.

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## As The Editor Sees It



THERE is no doubt that construction work is a most necessary factor in adjusting the present situation throughout the country. Building of all kinds is imperative to make up the enormous deficiency created by the entire cessation of construction work during the war. Building is also needed and is, indeed, the only available means of absorbing the great mass of labor released from all sorts of war service and war industries. Naturally when construction work ceased during the war, the labor usually employed by the building trades had to turn to the great war enterprises; now that these are in great part at an end, this same labor must be absorbed by Peace industries. Building is making strides; but the progress is too slow. We need building—more building than we have ever known at any period in our history—to set in motion again the wheels of the industrial machinery of the nation, and establish the healthy economic conditions and prosperity which are within our grasp.

Cheers won't satisfy a discharged soldier with an empty stomach and possibly a family to support. Satan, in the form of dissatisfaction and Bolshevism, will find plenty of mischief for the unemployed labor.

The problem must be met, and dealt with quickly.

In the opinion of Simon O'Donnell, President of the Chicago Building Trades Council, writing for the *American Con-*

*tractor*, there are two things which must be done to stimulate building. "One," says Mr. O'Donnell, "is a substantial reduction in the cost of building material and the other the realization that this reduction will be the last one to be made for some time to come—several years. That means that the building material men must reduce their prices to the lowest point at which they can sell at a reasonable profit, and must not expect to make the same high profit rates that they did during the war period, when everything was too high. They must reduce their prices to the point where they know they won't reduce them lower for a long time, and they must then make this fact clear, so that people won't put off building they intend to do until another year or two rolls around, on the theory that they can save money on their buildings by waiting.

"So far as labor is concerned, this stable price is here. Wages can't be reduced materially under present conditions. It is unfair to ask it. But as wages are, after all, only a relatively small part of the cost of building, other things can be reduced considerably, and they must. I repeat, I am not asking the material man to reduce prices below what would give them a fair profit. The attitude of labor is that manufacturers may get that fair profit, but there must be no profiteering.

"Of course, no matter what happens in the building material market, there will be some building. There are certain

types of construction that builders know must be started immediately, no matter what the state of the labor and material market. Hotels are an example, for when they are needed, as they are in Chicago, they will yield big returns which will more than offset high building cost. And certain types of factories are needed immediately for the necessary expansion of industry. Theatres and buildings of such types are also in this class.

"Another thing that would help greatly would be for capitalists, big manufacturers and others of like situation, to use the present as a time for making necessary improvements in their plants. I know of many of these men and some of them are sincerely desirous of doing something to aid the present industrial situation. I know of many plants in Chicago, and there must be many of them elsewhere, where there are really necessary improvements which should be made, new buildings erected, and so on. If the owners of these plants would start right in now to build, it would inspire a lot of confidence. It is human nature that the average man, observing the big man start in building, would say to himself, 'Well, he is shrewd and successful, and if he thinks this is a good time to build, why then it must be a good time for me to build, too.' All the 'big men' have to do this to show their confidence in the country, and other men would follow the lead, for we all have a lot of confidence in the country. We all need a leader."

**DRAWING  
MATERIALS**

**CHARLES H. ROBBINS, JR.**  
1209 Arch Street,  
BELL PHONE, WALNUT 1086  
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KEYSTONE PHONE, RACE 614

**BLUE  
PRINTS**



THE stabilization of prices which Mr. O'Donnell recommends would be of material assistance in dispelling much of the existing uncertainty. This view is set forth and urged in a letter from the Lakewood Engineering Co. of Cleveland, Ohio, which believes—

"If the manufacturers of cement, of steel, producers of lumber and other building materials, manufacturers of clothing, food products and machinery,

would follow a PUBLISHED-PRICE-FOR-THE-SEASON method and the prices of these commodities were established in the minds of the public, there would not now be the marked halting in business.

"It urges also the adoption of a plan of action over the slogan, prices effective for specified periods or seasons will establish confidence between buyers and sellers.

As to changing conditions under which we are working:

First: For a number of years there has been a gradual increase in and instability of prices for material, and also an increasing scarcity of, and a consequent instability in cost of labor, which have rendered the letting of contracts under the old system of lump sum uncertain and unsatisfactory to contractors, so that they are advocating, in order to eliminate risk of loss to themselves, the adoption of the system known as cost, plus a percentage or fixed fee, in the handling of construction work. The conditions brought about by the war and the fact that the Government placed its stamp of approval on the cost plus fee method in the greater part of its war work, will serve to bring this method of doing construction work into more general use, and contractors will thus approach, in methods of charges at least, the "professional method" of a fee or percentage on cost.

The system has its faults, which are known to all of us, and is capable of abuse. It depends, more than the lump system, upon the integrity of the contractor and a conscientious regard for the interests of an owner, whose interests are likely to be lost sight of in a majority of cases. The attitude of labor toward percentage work is well known. Whatever common interest there may have been between contractor and employees to save contractor from loss under lump sum contracts is absent under the cost plus fee system, and the indifference of labor to an owner's interest, with resulting decrease in efficiency, is well known. Labor is insistent in its demands and the uncertainty of the character of its demands constitutes one of the principal reasons for abandoning the old system. The fact that labor will continue to be an uncertain element of cost in any building project must be taken into account and will have its effect on methods of contracting and our own practice as well. The system will impose upon architects the checking and auditing of bills, unknown under the lump system, and will greatly increase their work without corresponding recompense.

Second: The work of the war has demonstrated the value of co-ordinated and organized effort, in spite of the drawbacks bound to occur because of the circumstances under which the organization was effected. It remains to be seen how far the Government, now that the war is over, will retain control of or will attempt to direct construction or building in those lines which have a direct influence on the welfare of the public. Whether the Government will assume any part of this direction or not, the fact remains that the war has given a great impetus to a movement begun before the

## THE ARCHITECT AND THE COST-PLUS FEE

Report of a special committee appointed by the Joint Committee on Reconstruction of the Illinois Chapter, A. I. A., and the Illinois Society of Architects.

By JOSEPH C. LLEWELLYN, A. I. A.

AS Chairman of the Committee to consider steps to be taken to permit architects to do work on a cost plus fee basis and still retain professional standing, I submit the following:

As stated in the minutes, the resolution appointing the Committee might be interpreted as referring to a scheme of charges, discussed and practically endorsed by the American Institute of Architects in convention a few years ago, when the architect in lieu of a straight percentage on the cost of the work was permitted to charge a fixed sum for his service and add thereto the actual cost of drafting, supervision, expert service and an allowance for office overhead.

The purpose of the motion, however, as I understand it, contemplates a discussion of the question as to whether or not forces are at work which will make it advisable for the architect to assume a larger supervision of the construction of work under his care than formerly, extending even to the purchase of materials and employment of labor, and charging for this service a fixed amount plus the cost of preparation of drawings, supervision, etc., or a percentage on the cost of the work as charges are now made for preparation of drawings and that supervision now recognized as a proper part of the architect's services, and considered professional.

Much depends upon the definition of a profession and the limitations put upon it. In general, the term profession implies an occupation requiring a liberal and special education and discipline, and the practice of the profession implies a personal service, employing the knowledge gained by such education and discipline and the experience resulting from practice. This service is rewarded by a fee, supposedly commensurate with the service rendered. Law and medicine are the well-known examples of the professions.

Architecture is no exception to such definition, but in practice the service rendered by the architect often becomes less a personal service than a use of special knowledge in directing and guiding the labor of a number of others in performing certain service. I doubt if anyone will claim that the service so rendered is any the less professional, but rather the claim may be made that the architect is filling a larger place in the second instance than when confining himself to his own personal efforts. Furthermore, it is a matter for debate whether the architect who renders the service to his clients he is supposed to render will be regarded as a professional man at all by the public, because he must combine with whatever sense of proportion, good taste and beauty he may have acquired by reason of environment or by education or travel, those qualities which in the eyes of those about him place him in the realm of pure business.

In fact, the methods we employ and include in the term professional practice, with its governing codes, etc., is being approached steadily by those we have been pleased to call contractors and who have had to do only with the actual business of building. In fact, we hear now of "ethics" among builders, as witness the scheme of organization proposed at the convention of general contractors held in Chicago recently. Is it not possible that the chief value of our term "professional" is to furnish a topic for debate or speculation, and has but little to do with the service architects render to their clients? The real question is, whether our methods permit us to keep abreast with the rest of the world, and if not, whether we cannot change them and retain the spirit of what a code of ethics aims at—honorable service to our clients and fair play to all others.



war, having for its object the proper housing of people in rapidly growing cities and towns, especially in workmen's communities, and that this work is apt to be done under co-operative or organization methods more than heretofore. To handle this work will call for a fuller co-operation of the architect, town planner, utilities engineer and builder, in which co-operation the directing hand should be that of the architect. This particular class of work will bring us closer to a much larger proportion of our people than our work heretofore has done, and it is worth while to prepare ourselves to assume a larger responsibility in operations of this character.

Third: The architect cannot be wholly immune from the effect of changes in business methods in other lines of work akin to his own, which have to do with construction; neither can he ignore the value of public recognition and approval of his services. The fact that construction companies and engineering corporations are employing designers and doing all work from the making of plans and specifications to the construction and furnishing of the building, and that this method is increasing, along special lines, is another element which has the effect of rendering the term architect less known and understood. The prominent part taken by engineering corporations in all Government war work is well known. The reason is evident. The public, even the Government, does not associate the architect with the actual operations of building in the same way they do engineering and construction companies; the element of design is to it an intangible thing and secondary to the building operation, and is considered a part of such operation, if considered at all. The special fields in which these companies operate are those offering the great opportunities to the architect.

These three items, namely:

"Instability of prices for material and labor and the consequent rapid change in methods of contractors themselves by which the contractors are approaching the principle of selling their service, instead of taking a chance on profits in the old way, and in which the architect must add greatly to his labor or lose a larger share of control in his work and of the confidence of his client;

"The impetus given to co-operation and organization methods by war activities;

"And the assumption by the contracting and engineering organizations of complete control of building from planning to completion and furnishing, are only three items, but sufficient to justify a discussion of our present methods and the advisability of changes in those methods."

It is the opinion of the Chairman of the Committee that architects as a class are not assuming the responsibility they should, that there is a wide difference between the appraisal of the service of the architects by themselves and by the general public, and that it is necessary to put a value into their service that will be recognized by a far larger proportion of the general public than obtains at present.

To do this, I believe it is necessary for the architect to prepare for and assume a wider responsibility in the actual construction of his building, and a broader initiative in every line of endeavor which has to do with the proper planning and construction of all classes of building, together with the utilities which go to make these buildings complete in service to the community in which they are located. To do this will call for a more complete co-operation of the architects, with specialists in all lines of engineering, covering utilities and equipment (and on occasion, town planning), required properly to lay out and equip the work. Also, through a Department of Cost and Construction, the architect should be prepared to give much closer approximations to cost of buildings than heretofore, and finally he should be prepared to take over the actual erection of the building in those cases where on account of location, size of work or other reason he feels his client's interests are not fully safeguarded by letting of contracts in the usual way, the owners paying bills for material and labor upon properly audited bills, instead of by certificate to contractor, as at present.

The objection will be raised that this is contracting and unprofessional. I answer that the subdividing of contracts and building without the general contractor is sanctioned, and I may say favored, by architectural societies today, and has been the practice of many architects for years, and is not deemed unprofessional. I confess my inability to see why the purchase of materials and employment of labor by the architect for the few trades furnished by the general contractor, and doing this work for an owner on a fee basis and not for a lump sum with an unknown profit, should be unprofessional. The service rendered is one in which the architect adds to his ability to design and sense of fitness and good taste, a knowledge of building construction and construction operations, which enables him to assume a greater control and responsibility in the execution of his work and for which he receives a predetermined compensation, not a profit representing the difference between cost and contract price. Work done in this manner is not contracting, but is rendering service for a fixed fee or percentage, and is done in a profes-

sional way. At the same time it gives the architect an authority and control of his own work, which he rarely has at present, and will give him recognition by the public, which goes usually to the construction organization.

Now, I am not unmindful of the general contractor in all of this discussion, and believe that we should co-operate with him as far as we can, being always fully alive to our clients' interests. There are many cases, however, where circumstances will dictate the elimination of the general contractor and where, to obtain the best results, unusual methods should be adopted. In these cases I believe the general contractor will recognize the reasoning as sound and will agree with me.

If architects believe that conditions call for change in methods and an assumption of a wider responsibility, then the means taken to accomplish that purpose will be modified by the viewpoint of the individual, and it becomes the individual's problem. No hard and fast method of procedure can be adopted that will apply to all, but each must work out the matter in accord with his own ideas. Architectural societies today control members through rules of practice, based on conditions of years ago. They attempt to cover by rule all questions pertaining to practice, but fail for the same reason that the economist fails when he reaches conclusions based on arguments which have not taken into account that element in human nature which seeks change and is not content with things as they are. These rules should be modified and placed on a broader basis, relying more on the individual's sense of honor and fair play.

The State law licensing architects, the revisions of which, in connection with the law licensing structural engineers, is receiving some attention, should be studied with a view to combination. The details of a law which would govern both architects and engineers is a matter for a legislative committee to consider. Under the engineers' law partnerships with architects are permitted. Corporations cannot be licensed, but under the engineers' law corporations are permitted to prepare drawings and specifications for buildings and structures which are erected, built or their construction supervised by such corporation, provided that the chief executive officer or managing agent of such corporation in Illinois shall be a structural engineer. Architects are barred from incorporations or forming partnerships, except with licensed architects, as far as any provisions to the contrary are found in the Architects' License Law. The legal phases of the question deserve special study. As architects we are barred from doing in a corporate way what we can do as individuals through



co-operative methods, as I have tried to suggest. Can we enlarge our sphere of action and be professional? I think we can, as there is not an element of contract in the matter as proposed, except for service rendered in planning and supervising construction of buildings. If the owner desires a guaranteed cost, then the architect must resort to the contractor in the old way, but the architect should employ scientific methods in preparing preliminary costs and make his estimates trustworthy. My own opinion is that the method outlined is but a modification of methods already employed by architects against whom no charge of non-professionalism has been made. I further believe many cases will be found in practice where better results can be obtained for owner and architect by an adoption of the scheme outlined in lieu of the old.

The details must of necessity be left to the individual architect, but the objective for all can be a larger initiative and control, more co-operation with others working along lines akin to our own and a more complete service to client and community.

#### FEDERAL GOVERNMENT WILL SPEND \$305,369,464 ON PUBLIC IMPROVEMENTS AND BUILDINGS

**D**ESPITE the failure of the last Congress to pass important appropriation measures, the Federal Government is getting under way a vast amount of building and construction work. The Department of Labor calls attention to the fact that by the end of the fiscal year 1921 there will be available for Federal aid for State road building more than \$266,000,000. Congress passed the appropriation for \$9,050,000 for new hospitals and improvements to old ones needed by the Public Health Service, and this building activity is being rushed and will be under way by the end of the year. Some of these projects will be under construction by midsummer. More than \$30,000,000 are involved in the maintenance and construction work set out in the Rivers and Harbors Appropriation Bill passed by the last Congress.

The harbors and rivers improvement work takes in almost every section of the country, much of it being planned for the Southeast, the Atlantic Coast and the Pacific States. More than a million dollars will be spent along the Mississippi River, approximately \$3,500,000 on the Ohio River, and about \$500,000 along the Missouri River. This work, it is understood, will go ahead regardless of current material and labor costs and should prove an important factor in making

business good in the hundreds of localities where such work is undertaken by the Government.

The building program of the Public Health Service, to meet the requirements of soldiers and sailors availing of their privileges under the War Risk service, calls for remodeling and additions to hospital properties at Camp Cody, N. Mex.; Camp Hancock, Ga.; Camp Joseph E. Johnston, Fla.; Camp Beauregard, La.; Camp Logan, Tex.; Camp Fremont, Calif., and the nitrate plant at Perryville, Md. For these necessary changes and additions \$750,000 are available. The hospital project in Cook County, Illinois, most of which is completed, carries an appropriation of \$3,000,000.

There is an appropriation of \$1,500,000 for the building of a sanatorium at Dawson Springs, Ky., the survey is being made, and for the site and hospital plant at Norfolk, Virginia, \$900,000 has been appropriated. An appropriation of \$550,000 was made to take care of the hospital project in the District of Columbia and \$190,000 were voted for improvements in the Marine Hospital at Stapleton, Staten Island, N. Y.

For most of these projects plans now are being prepared, and it is safe to say work on all of them will begin within the year.

The failure of the last Congress to appropriate money to take care of the building program in the Treasury Department has held up about 150 projects, for the most part post office buildings. Almost every State in the Union is represented in this list of deferred projects which involves the expenditure, on present construction prices, of more than \$23,000,000.

Many of these projects were contemplated before the war and money appropriated to cover the construction costs on the then prevailing prices. Estimates at that time showed these buildings would cost approximately sixteen and a half millions. The present estimates are about six millions more, and before the work can be undertaken Congress must appropriate enough money to take care of this increase in building costs. There is little doubt but that the next Congress will take care of this.

The spending of \$266,000,000 appropriated for Federal aid for road building depends upon the several States. Some are hastening to avail of this opportunity to enjoy Federal assistance in building State roads; other States appear to be slow to take advantage of the opportunity. However, the money is, or will be available, and the Federal Government is anxious that States make the most of their opportunities during the current years, as road building will do much to stimulate business and to provide buffer

employment of labor until the industrial transition from war to peace has been effected.

Plans for dwellings, prepared by the United States Housing Corporation for various Government projects during wartime, are to be made available for general public use by the Own-Your-Own-Section, Information and Education Service, United States Department of Labor.

Several types of houses have been selected as most artistic, as well as most practicable, and the plans for these will be given to Own-Your-Own-Home Committees, which are now carrying on campaigns in forty cities, so that estimates may be made on them. It is explained that the purpose is not to interfere in any way with the work of local architects, by thus providing Government plans, but it is expected that when the estimates in widely separated States are compiled the information will be of value to prospective home owners, while it will afford comparisons of the varying cost of construction in many parts of the United States.

Since the Own-Your-Own Home campaign was started a few weeks ago, the United States Department of Labor has received assurances of co-operation from Chambers of Commerce, civic associations, women's clubs, and organizations of many sorts. Requests that local campaigns be begun without delay have been sent this week to 400 cities. Letters have been addressed to Mayors, labor organizations and the clergy, as well as to the clubs and other associations that have expressed willingness to aid the campaign, undertaken to provide employment for returning soldiers and to hasten the revival of business.

While the campaign was started primarily to furnish buffer employment to the men of the demobilizing army, the number of letters received by the Department from soldiers who ask advice about how to proceed in obtaining homes of their own proves that the campaign has for the boys in khaki more than a temporary interest and contradicts the idea that military service breeds a distaste for settling down in a permanent abiding place. The Own-Your-Own-Home campaign, so far, has seemed to show that war instead of inspiring wanderlust has made the Americans who served in it more anxious than ever before to live in houses that actually belong to them.

Business is founded on reciprocity and co-operation. Any other plan than this spells bankruptcy. The successful business nowadays has a heart and a soul.



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Traffic Stable (alts.)**, Broad street below Federal street, \$6,000. Architect, Joseph A. Roletter, City Hall, Philadelphia (1222-1224). Owner, City of Philadelphia, Department of Public Safety, Philadelphia. General alterations, slag roof, plastering, mill work, painting, plumbing, electric lighting. Owners taking bids due April 23rd at noon. Mitchell Bros., 2125 Race street, and Edward Fay & Son, 2 South Mole street, are figuring.

**Stores and Dwellings (3)**, northeast corner Fourth and Kater streets, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owners, Garrity Brothers, 750 South Juniper street, Philadelphia. Brick, 3 stories, slag roof, hardwood and cement floors, stone foundations, electric lighting, tile and marble work, hollow metal skylights, metal ceilings, iron work. Owners will be ready for sub-bids in one week.

**Store Building (alts.)**, 1306 Chestnut street, Philadelphia. Architect, David B. Bassett, 420 Perry Building, Philadelphia. Owner, George Miller, care of F. A. North Co., on premises. Architect taking bids. Pomeroy Const. Co., 1609 Ranstead street; Lam Building Co., 1001 Wood street, and F. L. Hoover & Sons, 1023 Cherry street, are figuring.

**Residence**, Upsal street and Wissahickon avenue, Germantown. Architect, Laurence Visscher Boyd, Harrison Building, Philadelphia. Owner, John A. Seeds, Upsal street, west of Wissahickon avenue. Stone, 2½ stories, 30x60 feet, slate roof, electric lighting, heating undecided, tile work, oak floors. Architect taking bids due April 17th. Wm. J. Gruhler Co., 219 East High street; Charles Johnson, 5701 Boyer street; William C. Wright, 22 Harvey street, and E. F. Bahls, 1702 North Thirteenth street, are figuring.

**Tallow House**, East Ontario street and Delaware River. Architects, private plans. Owners, The Berg Co., on premises. Frame, 1 story, galvanized iron lining, slag roof, and repairing 3-story building damaged by fire. Owners will be ready for bids in about two weeks.

**Residence and (7) Garages**, Knox street and Queen Lane. Architect, Charles W. Gilmore, Godfrey and G streets, Olney, Philadelphia. Owner, name withheld. Brick and rough cast, residence, 3 stories, 16x52 feet, garage, 2 stories, 22x60 feet, entire garage size, slate roof, cement and wood floors, hot air heating, combination lighting, tile work. Architect will be ready for bids in one week.

**Dyehouse**, 1628-30 Melon street, Philadelphia. Architect, Charles W. Gilmore, northeast corner Godfrey and G streets, Philadelphia. Owner, A. F. Bornot, Seventeenth and Fairmount avenue. Reinforced concrete, 1 story, 50x126 feet, slag roof, cement floor, rolled steel sash, roof ventilators, bridge over Melon street, 36 feet long. Plans about completed. Architect will take bids in one week.

**Factory (alts.)**, 716 Market street, Phila-

delphia, \$5,000. Architect, private plans. Owner, Estate of John Dobson, 809 Chestnut street, Philadelphia. General interior alterations. Owner will build.

**Store and Apartments**, Cheltenham avenue, Germantown. Architect, Benjamin R. Stevens, 1737 Filbert street, Philadelphia. Owner, H. B. Kohn, 22 West Cheltenham avenue, Germantown. Brick, terra cotta front, granite base, 3 stories, (2) apartments, tin roof, maple, oak and composition floors electric light, tile work. Builders R. M. Peterson & Son, 5108 Germantown avenue, are taking sub-bids.

**Residences (20)**, Seventeenth and Pulaski avenue, Philadelphia. Architect, Reuben Beard, 1311 Commonwealth Building, Philadelphia. Owner, name withheld. Brick, 2 stories, 16x50 feet, slag roof, hot water heating, hardwood floors, electric lighting, tile work. Plans in progress.

**Business Property**, 241-243 South street, Philadelphia. Architect, Reuben Beard, 1311 Commonwealth Building, Philadelphia. Owner, S. Frachter, on premises. Brick wall, new front, 3 stories, flush bulks. Plans in progress.

**Building (alts. and add.)**, 1226 Belmont avenue, Philadelphia. Architect, private plans. Owner, Wilson Magazine Co., Philadelphia. Brick, 2 stories and basement, 30x20 feet, slag roof, cement and wood floors, stone foundation, hollow metal skylights, iron work. John M. Yardley, 1716 Sansom street, taking sub-bids.

**Convent (alt. and add.)**, 334 Haines street, Germantown. Architect, H. G. Hammer, 808 North Seventeenth street. Owner, Our Lady of the Rosary Italian Roman Catholic Church, on premises. Brick, 3 stories, 26x28 feet, add., slag roof, yellow pine floors, electric light, plumbing, changing partitions. Owners have taken bids.

**Business Property (add.)**, 939 Passyunk avenue, Philadelphia. Architect, Reuben Beard, 1311 Commonwealth Building, Philadelphia. Owner, H. Tevron, on premises. General interior alterations mill work, pine floors, metal ceilings, flush bulks, tile work, electric lighting. Architect ready for bids in one week.

**Store Building (add.)**, 617 South Fourth street, Philadelphia. Architect, Reuben Beard, 1311 Commonwealth Building, Philadelphia. Owner, Louis Richter, on premises. Brick, 3 stories and basement, 16x27 feet, slag roof, cement and North Carolina pine floors, hot water heating, electric lighting, metal ceilings. Architect ready for bids.

**Business Property (add. and alt.)**, 1640 South street, Philadelphia. Architect, Reuben Beard, 1311 Commonwealth Building, Philadelphia. Owner, George Switt, on premises. Brick, 3 stories, 22x36 feet, slag roof, hot water heating, electric lighting, cement and North Carolina pine floors, metal ceil-

ings, wrought iron guards. Architect ready for bids.

**Residences (8)**, Sixty-third and Larchwood avenue, Philadelphia, \$12,000 each. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, Independent Realty Co., 824 Snyder avenue, Philadelphia. Tapestry brick and stucco, 2 stories, 16x70 feet, garages in basements, concrete foundations, Spanish tile and slate roof, oak floors, hot water heat, electric light, tile and marble work, grate tile, Indiana limestone trim. Owners are taking sub-bids.

**Factory**, northeast corner Fifth and Clearfield streets. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, H. Masover, care of architect. Brick, slow burning construction, 2 stories, 36x60 feet, slag roof, pine floors, steam heat, electric lighting, rolled steel sash, hollow metal skylights, electric elevator. Plans completed. Architect ready for bids.

**Dwellings (14)**, Sixteenth and Rockland streets, \$64,500. Architect, private plans. Owners, J. J. Kelly Cont. Co., Oak Lane, Philadelphia, Broad and York road. Brick, 2 stories, 15x30 feet and 12x10 feet, slag roof, hot water heating, electric lighting. Owners will build.

**Dwellings (2)**, 1228-30 Wakeling street, Philadelphia, \$12,000. Architect, private plans. Owners, C. West & Co., Oxford avenue and Wakeing street, Philadelphia. Brick, 3 stories, 16x37 feet, 1 story, 16x10 feet, slag roof, hot air heating. Owner will build.

**Garage**, northwest corner Sixteenth and Rockland streets, \$8,000. Architect, private plans. Owner, J. J. Kelly Contracting Co., Oak Lane, Philadelphia. Brick, 1 story, irregular shape, slag roof, cement floors, electric lighting. Owners will build.

**Hotel (remodeling)**, 1528 Market street, Philadelphia. Architect, private plans. Owners, Wolf Brothers, care of Mastbaum Brothers & Fleisher Co., 1424 South Penn Square. Lessees, Boyle & Sweeney, on premises. Interior and exterior alterations, tile and marble work, steam heating, electric lighting, plumbing, painting, etc. Lessees will take sub-bids. Sub-bids on remodeling front now being taken by lessees.

**Residence (alts.) to Apartment House**, 37 La Crosse avenue, Lansdowne, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, name withheld. Brick, general interior and exterior alterations, new heating, electric lighting, plumbing, brick work. Architects taking bids due April 21st at noon. F. B. Davis, 240 North Sixteenth street; Bowden Const. Co., 1713 Sansom street, and J. Howard Roberts, Lansdowne, Pa., are figuring.

**Residences (6)**, 4342-52 North Eighth street, \$25,200. Architect, private plans. Owner, George J. Bauerle, 4314 North Eighth street. Brick, 2 stories, 14½x30 feet and



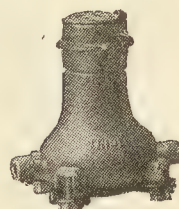
"TRIDENTS" FOR  
WATER, OIL,  
GASOLINE, BRINE,  
ETC., ETC.

## "TRIDENT" METERS

MORE TRIDENTS  
IN PHILA. THAN  
ANY OTHER  
MAKE

PHILADELPHIA METER CO., 942 Real Estate Trust Building.

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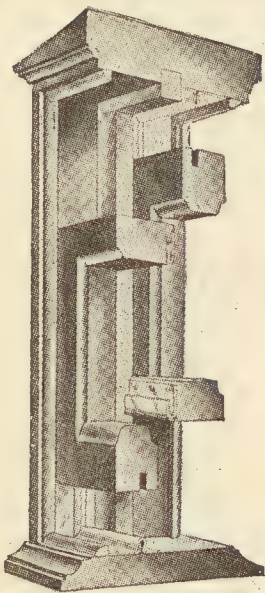
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11½x12 feet, slag roof, hot water heating, electric lighting. Owner will build.

**Residences (11)**, Fifteenth and Olney avenue, Philadelphia, \$53,300. Architect, private plans. Owner, William J. Blatz, 709 Butler street, Philadelphia. Brick, 2 stories, 16x29 feet, 13x17 feet, 16x6 feet, slag roof, hot water heating, electric light. Owner will build.

**Dwellings (28)**, 5500-54 Willow avenue, \$140,000. Architect, private plans. Owners, Ferguson & Collins, Fifty-sixth and Willows avenue. Brick, 2 stories, 16x29 feet, 13x17 feet, and 16x48 feet, slag roof, hot water heating, electric lighting, tile work, oak and pine floors. Owners will build.

**Guard House**, Navy Yard, Philadelphia. Architect, private plans. Owners, United States Government, Public Works Department, Navy Yard, Philadelphia. Concrete, brick, hollow tile and stucco, 2 stories, 44x44 feet, slate roof, hot air heating, electric lighting, cement floors, hollow tile, metal lath, ventilators. Lowest bidders: H. M. McCloskey, Jr., 1620 Thompson street, Philadelphia, \$14,665, Item No. 2, \$445, time 120 days; Robbins Cont. Co., Drexel Building, Philadelphia, \$15,224, Item No. 2, \$600, time 120 days.

**Residence**, Sixty-seventh avenue and Fairhill street. Architect, private plans. Owner, J. Philip Dorneman, Oak Lane. Brick, 3 stories and basement, 45x28 feet, slate roof, stone foundations, hot water heating, electric lighting, tile work, wood and cement floors, cut stone, steel girders. Essick Const. Co., 1345 Arch street, are taking sub-bids due April 16th.

**Elevated Stations (4)**, Allegheny avenue and Somerset streets, Frankford Elevated, Philadelphia. Architect, Department of City Transit, Bourse Building, Philadelphia. Owner, City of Philadelphia, Department of City Transit, care of William S. Twining, Director, Mershon Building, Philadelphia. Brick, reinforced concrete and stone, terra cotta, 2 stories, slag over concrete roofs, granolithic floors, rolled steel sash and skylights, hollow metal sash and doors, iron stairs, safety treads, ornamental iron work (plumbing, electric lighting and heating, separate bids). Plans completed. Owners ready for bids due April 29th. Plans may be obtained from Di-

rector's office, Mershon Building, after April 15th.

**Theatre (alts.)**, 1018 Market street, Philadelphia. Owner, Princess Theatre, on premises. Architects, Hoffman Co., Finance Building, Philadelphia. Reinforced concrete, steel, tin and slag roof, reinforced concrete floors, hollow tile, metal lath, steam heating, electric lighting, marble and terrazzo work, iron stairs, iron work (interior decorations, lighting, fixtures, ventilating system, fans and seats reserved). Architects taking bids due April 19th at noon. P. M. Sax, Franklin Bank Building; B. Bornstein, 1510 North Franklin street; Ketcham & McQuade, 1029 Brown street, Philadelphia, and Wilbur Beaumont, Atlantic City, N. J., are figuring.

**Restaurant Building (alts. and add.)**, 1603 Chestnut street, Philadelphia. Consulting architect, Paul J. Henon, 10 South Eighteenth street, Philadelphia. Architect, Charles E. Oelschlager, 1615 Walnut street, Philadelphia. Owners, Cheri, Inc., care of John G. Patton, Fifteenth and Chestnut streets. Rear addition, 4 stories, general remodeling of entire building, slag roof, tile and composition floors, steam heating, electric lighting, tile and marble work, freight elevator, hollow metal skylights, kitchen equipment. Architect taking bids, due April 21st. Wm. R. Dougherty, 1610 Sansom street; F. A. Havens Co., 845 North Nineteenth street; Thos. C. Trafford, 1613 Sansom street, and E. J. Kreitzburg, 1345 Arch street, are figuring.

**Coal Storage Building**, Spec. 3685, Cape May, N. J. Architect, private plans. Owner, U. S. Government, Bureau of Yards and Docks, Washington, D. C. Hollow tile and stucco, 1 story, 88x32 feet, pile foundations, asbestos roof, concrete floors, hollow tile, metal lath, roof ventilators, waterproofing, screens, steel and iron work. Owners taking bids. Wm. R. Dougherty, 1610 Sansom street, Philadelphia, is figuring. Deposit of \$10.00 required.

**Residences (20)**, north side of Spencer and west of Ogontz avenue, \$80,000. Architect, private plans. Owner, Charles H. Eckman, 2126 North Sixteenth street, Philadelphia. Brick, 2 stories, 15x29 feet, 11x11 feet, slag roof, hot water heating, electric lighting. Owner will build.

**Residences (20)**, south side of Spencer and west of Ogontz avenue, \$80,000. Architect, private plans. Owner, R. A. O'Donnell, Broad

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and Cheltenham avenue. Brick, 2 stories, 15x29 feet, 11x11 feet, slag roof, hot water heating, electric lighting. Owner will build.

**Factory**, Tioga, Tulip and Weikel streets, Philadelphia. Architect, John J. Novy, Chicago, Ill. Owners, Liquid Carbonic Co. of Chicago, Chicago, Ill. Brick, 1 story, 108x66 feet, concrete foundations, composition roof, concrete floors, fire doors, iron work. Architect taking bids, due April 18th. J. S. Cornell & Son, Morris Building; Wm. Steele & Sons, Inc., Sixteenth and Parkway; H. E. Baton, 1713 Sansom street; John N. Gill & Co., Otis Building; Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.



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## Contracts Awarded

**Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.**

**Moving Picture Theatre (alts.) to Garage**, 3321 Chestnut street, \$8,900. Architect, private plans. Owner, Thomas W. Cunningham, 3325 Chestnut street, Philadelphia. Brick, 1 story, 47x105 feet, slag roof, cement floors, steam heating, electric lighting, plumbing, hollow metal skylights, roof ventilators. Contract awarded to Mitchell Bros., 2125 Race street, Philadelphia.

**Garage (repairs)**, 309-13 South Twenty-fifth street, Philadelphia, \$4,850. Architect, private plans. Owner, Robert J. Bell, 2237 Bainbridge street, Philadelphia. Brick piers and general repairs. Contract awarded to Cerasoli & Seurci, 1231 Christian street.

**Building (alts.)**, 935 North Ninth street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Keystone Supply & Mfg. Co., on premises. Brick work, cement work, steel work, plastering, mill work, painting, glazing, metal lath, electric lighting, metal ceilings. Contract awarded to Smith-Hardican Co., 1606

Cherry street.

**Garage and Storage Building (add.)**, northeast corner Twenty-fifth and Moore streets, \$7,500. Architect, private plans. Owner, James A. Hamilton, on premises. Brick, second story add. 50x99 feet, slag roof, electric lighting ext. Contract awarded to J. Ehman, 1908 Tasker street, Philadelphia.

**Storage Building (add.)**, southeast corner Hunting Park and Wissahickon avenues, \$6,000. Architect, private plans. Owners, Edward G. Budd Co., on premises. Iron, 1 story, 140x22 feet. Contract awarded to Steward & Stevens, Inc., 1724 North Ninth street.

**Wagon Factory and Stable (add.)**, 352-54-56 North Second street, \$18,000. Architect, I. W. Levin, 2434 South Eighth street. Owners, Goldfine Brothers, 621 North Seventh street, Philadelphia. Brick, 2 stories, 100x117 feet, slag roof, cement floors, electric light, heating extension. Contract awarded to M. Kirshner, 421 Snyder avenue, Philadelphia.

## Proposals

### INVITATION FOR PROPOSALS

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., April 8, 1919. **SEALED PROPOSALS** will be opened in this office at 3 P. M., May 6, 1919, for alterations to the United States Post Office at Bridgeport, Connecticut. Drawings and specifications may be obtained from the Custodian or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., April 11, 1919. **SEALED PROPOSALS** will be opened in this office at 3 P. M., May 9, 1919, for a clock, fire-alarm, watchman's clock and low voltage feeder systems in the Arlington Building, Washington, D. C., in accordance with drawings and specifications, copies of which may be had at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

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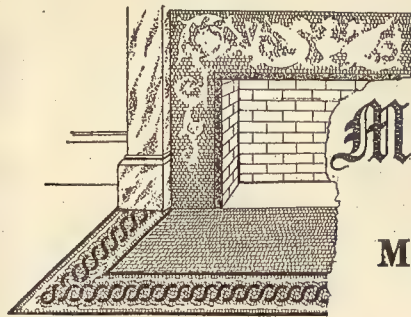
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**Residence** (alts. and add.), Cedar road, near Elkins Park, Pa. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, W. A. Longshore, care of architect. Stone, 3 stories, general alterations and additions, hot water heating, electric lighting, tile and marble work, (4) bathrooms, plumbing, oak floors, painting. Plans about completed. Architect will take bids in about one week.

**Theatre** (alts.), Seventh street, Chester, Pa. Architect, C. Brazer, Crozer Building, Chester, Pa. Owner name withheld. New vestibule, plastering, painting, interior alterations, tile work. Plans in progress.

**Residence**, St. Davids, Pa. Architect, Francis A. Gugert, Wayne, Pa. Owner, R. E. Foster, St. Davids, Pa. Hollow tile and stucco, 2 stories, 26x50 feet, shingle roof, oak floors, stone foundations, hot water heating, electric lighting. Architect taking bids due April 16th. J. D. Lingle, Wayne, Pa.; J. Morris Rossiter, Wayne, Pa.; M. N. Croll, Radnor, Pa.; Walter Smedley, Narberth, Pa., and Milton W. Young, Overbrook, Pa., are figuring.

**Memorial Building**, Merion, Pa., \$60,000. Architects, Karcher & Smith, 34 South Seventeenth street, Philadelphia. Owner, Merion District, care of James A. Emmons, Merion, Pa. General renovation and additions to present building. Work contemplated. Preliminary sketches being drawn. Architects selected.

**Stores** (2), **Garages** (10), Seventeenth and Providence streets, Chester, Pa. Architect, C. Brazer, Crozer Building, Chester, Pa. Owners, C. L. Bloom, Chester, Pa. Brick, 1 story, 120x50 feet, stone foundations, slate roof, cement floors, electric lighting. Architect taking bids due April 19th. William Provost and R. H. Scroggins, both of Chester, are figuring.

**Memorial Chapel**, East Liberty, Pittsburgh, Pa. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owner, St. Andrew's Episcopal Church, Pittsburgh, Pa. Stone, marble and Indiana limestone, slate roof. Architect is taking bids.

**Residence**, Ardmore, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Granville B. Hopkins, Ardmore, Pa. Stone, 3 stories and basement, 35x104 feet, shingle roof, cement, tile and oak floors, stone foundations, hot water heating,

electric lighting. Architects taking bids due April 19th. E. J. Hedden, Finance Building; Pomeroy Const. Co., 1609 Ransstead street; William R. Dougherty, 1610 Sansom street; J. E. Kearney, 327 North Sixty-third street; F. A. Havens Co., 845 North Nineteenth street, and Milton W. Young, Overbrook, Philadelphia, are figuring.

**Publishing Bldg.** (alts. and add.), 418 Market street, Chester, Pa., \$40,000. Architect, Clarence Brazer, Crozer Building, Chester, Pa. Owners, Chester Times, Inc., on premises. Brick and stone, 3 stories, general alterations and additions. Architect has received bids.

**Fire House and Apartments**, Oakmont, Delaware County, Pa. Architects, Lachman & Murphy, Drexel Building, Philadelphia. Owner, Oakmont Fire Co., care of George W. Deaves, Oakmont, Pa. Addition to present building, front add., stone, 2 stories, 50x50 feet, slag roof, pine and cement floors, steam heating, electric lighting, tile work, plumbing. Owners taking bids due as soon as possible. Eugene Beard, Oakmont, Pa.; W. Harry Roberts, Oakmont, Pa., and E. Oscar Lobb, Llanerch, Pa., are figuring.

**Bank Building** (alt. and add.), Ashland, Pa. Architect, Benjamin R. Stevens, 1737 Filbert street, Philadelphia. Owner, Ashland National Bank, Ashland, Pa. Brick, reinforced concrete and steel, 43x60 feet, slag roof, stone foundations, electric lighting, tile and marble work, cement, cork and reinforced concrete floors, hollow tile, metal lath, metal ceilings, iron work, wire work, kalamein sash. Revised plans in progress.

**Grade School** (annex), Fifteenth street, between Allen and Liberty streets, Allentown, Pa. Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owner, School Board, Allentown, Pa. Brick, fireproof, 3 stories, 106x100 feet, slag roof, maple and tile floors, electric lighting, tile and terrazzo work, hollow metal skylights, roof ventilators, metal window guards and weather strips. Plans in progress. Will be ready for bids in two weeks.

**Office Building** (add.), Race and Court streets, Allentown, Pa., \$10,000. Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owner, Phoenix Silk Mfg. Co., care of C. E. R. Solelice, on premises. Brick, 1 story, 32x80 feet, electric lighting. Plans in progress.



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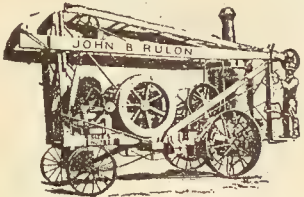
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Shoe Factory and Office Building, Eighth and Harrison streets, Allentown. Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa., \$80,000. Owner Haas & Berger Co., 20 South Halls street, Allentown, Pa. Brick, 4 stories, 189x45 feet, concrete foundations. Small outside office building. Plans in progress.

Apartments and Store, 1320 Chew street, Allentown, Pa. Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owner, J. H. Mohr, 1318 Chew street, Allentown, Pa. Brick, 3 stories, 20x58 feet, slag roof, steam heating, combination lighting, tile and marble work. Plans in progress.

Residence (alt.), 1318 Chew street, Allentown, Pa. Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owner, J. H. Mohr, on premises. New front, brick, metal work, bulks, general interior and exterior alterations. Plans in progress.

Office (add.), Wilbur Trust Building, Bethlehem, Pa. Owner, A. W. Leh, P. O. Building, South Bethlehem, Pa. Owner, owner's name withheld. Brick and granite, 5 stories, stone foundations, tile work, hollow tile work. Plans in progress.

Apartments, Birch street, Bethlehem, Pa., \$25,000. Architect, E. H. Bitting, Wilbur Trust Building, Bethlehem, Pa. Owner, L. Klein, Birch street, Bethlehem, Pa. Brick, 3 stories, 40x50 feet, slag roof, hardwood floors hot water heat, electric lighting, tile work, stone foundations. Plans in progress. Architect will take bids.

Theatre and Stores, Delaware avenue, Palmerton, Pa., \$30,000. Architect, E. H. Bitting, Wilbur Trust Building, Bethlehem, Pa. Owner, L. Wolensky, Palmerton, Pa. Brick and terra cotta, 3 stories, 190x40 feet, slag roof, concrete foundations, steam heat, electric light, tile and marble work, kalamein doors, store fixtures, roof ventilators, concrete floors, ornamental plaster. Plans in progress. Owners will take bids.

Church, First avenue, West Bethlehem, Pa., \$40,000. Architect, C. F. Spangler, 504 Broadway, Bethlehem, Pa. Owner, Rev. C. S. Joshue, 331 South Center street, Bethlehem, Pa. Brick, 1 story and basement, 60x90 feet, steam heat, electric lighting, wood floors, slate roof. Plans in progress. Architect ready for bids.

Residence, Brookline, Delaware County, Pa. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owner, name withheld. Frame, 2½ stories, 36x22 feet, shingle roof, tile and hardwood floors, hot water heating, electric lighting. Architects taking bids. B. G. Ward, 633 North Sixty-third street; Edward Holland, 1037 South Fifty-fourth street; George H. Evans, 45 North Thirteenth street,

Philadelphia, and D. R. Evans, Beechwood, Pa., are figuring.

Road Work, Pennsylvania. Pennsylvania State Highway Department, Harrisburg, Pa. Allegheny County, Springdale Borough, Route 70. Length 6,815 feet. Reinforced concrete. Booth & Flinn, Ltd., Pittsburgh, Pa., \$90,563.25.

Allegheny County, Hampton and Richland Townships, Route 72. Length 43,391 feet. Bit. surface course on a concrete foundation. Donald McNeil, Pittsburgh, Pa., \$443,307.35.

Berks County, Heidelberg, L. Heidelberg, S. Heidelberg and Marion Townships, Route 149. Length 39,824 feet. Bit. mixtures on a prepared broken stone base. Union Paving Co., Philadelphia, Pa., \$72,479.68.

Bradford County, Monroe and Towanda Townships, Route 17. Length 16,362 feet. Bit. surface course on a concrete foundation. T. H. Gill Co., Binghamton, N. Y., \$146,440.92.

Franklin County, Washington and Quincey Townships, Applications Nos. 584-5. Length 8,000 feet. Reinforced concrete. Burgess & Dorrier, Scottsville, Va., \$43,958.50.

Fulton County, Licking Creek Township, Route 39. Length 15,020 feet. Reinforced concrete. Snyder-Phillips Co., Mt. Airy, Pa., \$131,305.36.

Jefferson County, Rose and Union Townships, Route 64. Length 20,720 feet. Bit. surface course on a concrete foundation and Hillside vitrified brick. Dale Eng. Co., Utica, N. Y., \$205,048.98.

Lebanon County, Jackson, N. Lebanon and S. Lebanon Townships, Route 149. Length 35,907 feet. Bit. mixture on a prepared broken stone base. Union Paving Co., Philadelphia, Pa., \$59,520.

Lebanon County, N. Lebanon, N. Cornwall, Annville, S. Annville, N. Annville and N. Londonderry Townships, Route 139. Length 38,282 feet. Bit. mixtures on a prepared broken stone base. Union Paving Co., Philadelphia, Pa., \$69,642.12.

Lackawanna County, Moscow Borough, Route 168. Length 8,916 feet. Bit. surface course on a concrete foundation and Hillside vitrified brick. H. B. Sproul Const. Co., Peckskill, N. Y., \$72,230.60.

Lackawanna County, Dunmore Borough and Roaring Brook Township, Route 168. Length 28,815 feet. Vitrified brick. O'Brien Bros., Avoca, Pa., \$239,591.90.

McKean County, Otto Township, Route 96. Length 9,934 feet. Vitrified brick. Louis H. Gipp, Buffalo, N. Y., \$154,400.

Northumberland County, West Chillis-

quaque Township, Route 18. Length 20,366 feet. Bit. surface course on a concrete foundation. Walter A. Godcharles, Milton, Pa., \$129,500.34.

Pike County, Milford and Westfall Townships, Route 8. Length 29,546 feet. Bit. surface course on a concrete foundation. H. B. Sproul Const. Co., Inc., Peekskill, N. Y., \$199,826.65.

Somerset County, Somerset Township, Route 364. Length 6,675 feet. Reinforced concrete and Hillside vitrified brick. Vipond Const. Co., Altoona, Pa., \$59,921.70.

Hotel (alts.) to Apartments and Stores, Baltimore avenue and Church Lane, Fernwood, Delaware County, Pa. Architect, not yet selected. Owner, William Lipkin, 1208 Arch street, Philadelphia. General interior alterations, new partitions, new store fronts, brick work, plastering, dance hall and auditorium. Owner will take bids.

Road Work, Lower Merion Township, Pa. Owners, Commissioners of Lower Merion Township, care of G. C. Anderson, Secretary, Ardmore, Pa. Tarvia or asphalt surface treatment, 94,000 square yards, ½, ¼ and ¼ gallon per square yard, chips and sweeping road. Owners, care of Chairman of Highway Committee, Ardmore, Pa., taking bids due April 22d, at noon.

Garage (add.), 144 East Broad street, Bethlehem, Pa., \$40,000. Architects, Ruhe & Lange, 12 North Sixth street, Allentown, Pa. Owners, National Vulcanize Tire Co., on premises. Fireproof, 2 stories, 230x30 feet, gasoline storage system. Architect will be ready for bids May 1st.

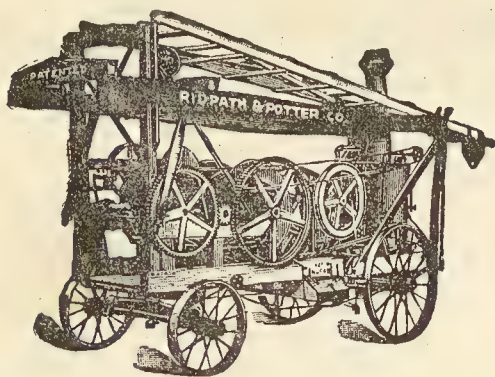
Residence and Garage, Wynnefield, Philadelphia, \$10,000. Architect, D. Levy, 938 Hamilton street, Allentown, Pa. Owner's name withheld. Hollow tile and stucco, 2½ stories, 42x28 feet, 15x20 feet. Architect taking bids.

Apartments and Drug Store, Fourth and New streets, Bethlehem, Pa. Architect, C. F. Spangeberg, 504 Broadway, Bethlehem, Pa. Owner, G. F. Metzger, 14 East Goepp street, Bethlehem, Pa. Brick and stone, 4 stories, 60x40 feet, slag roof, composition and pine floors, stone foundations, electric light, terrazzo work, elevators, hollow metal skylights. Architect taking bids, due April 23rd. Nagle Const. Co., and Kratz & Son, Allentown, Pa.; Wm. Danzer & Co., I. Garber, Groman & Bros., and George W. Heller, all of Bethlehem, Pa., are figuring.

School, Phillipsburg, Pa. Architect, E. H. Wenzelberger, Reeder Building, Easton, Pa. Owners, School Board Phillipsburg, Pa. Brick

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and stone, 2 stories, 65x67 feet, slag roof, maple floors, electric light, terrazzo work, roof ventilators. Owners taking bids. Blom & Ricciotti, South Bethlehem, Pa.; Butz & Clader, Allentown, Pa.; Gallo Bros., Netiong, N. J.; Bechtel & Bechtel, Easton, Pa.; E. F. Bahls Co., 1702 North Seventeenth street, Philadelphia, and Marnell & Bonahon, care of architect, are figuring.

**Residences (5), Rydal, Pa.** Architects, McIlvain & Roberts, Otis Building, Philadelphia. Owner, William Carter, Rydal, Pa. Stone and stucco, 2½ stories, 43x42 feet, 42x52 feet, 44x54 feet, 35x68 feet and 44x54 feet, shingle roof, stone foundations, hot water heating, electric lighting, tile work, wood floors, iron work. Architects taking bids, due April 22nd. Herbert Campion, 112 South Sixteenth street; Specht & Sperry, Heed Building; Metzger & Fisher, Otis Building; F. B. Davis, 240 North Sixteenth street; I. A. Dunkelberger, 71 East Herman street, all of Philadelphia; W. D. Lukens, North Wales, Pa.; John E. Hauser, Glenside, Pa.; Harry Murphy, Willow Grove, Pa., are figuring.

**Newspaper Building (alts.), Norristown, Pa.** Architect, Paul A. Davis, 1713 Sansom street, Philadelphia. Owners, Times Publishing Co., care of Joseph McGinley, 2 West Main street, Norristown, Pa. Masonry, brick and cut stone work, tin roof, yellow pine and oak floors, steam heating, electric lighting, tile and marble work (lighting fixtures reserved). Architect taking bids, due April 23rd at 3 P. M. at office of Joseph McGinley, Norristown, Pa. Lam Building Co., 1001 Wood street, Philadelphia; Charles B. Henk, Wallace C. Arnold, Michael F. Lawler, and Frank Heavner, all of Norristown, Pa., are figuring.

**Residence, Glenside, Pa.** Architects, Seeburger & Rabenold, Weightman Building, Philadelphia. Owner's name withheld. Stone, 2½ stories, 56x32 feet, wing 20x26 feet, slate and slag roof, stone foundations, hot water heating, electric lighting, tile work, iron work. Architects taking bids, due April 21st. Specht & Sperry, Heed Building; Albert Zellfelder, 151 South Broad street, Philadelphia; Ed. Lever, Abington, Pa., and Harry Murphy, Willow Grove, Pa., are figuring.

**Manufacturing Building, Washington and Walnut streets, Nanticoke, Pa.** Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Duplan Silk Co., 50 Union Square, New York City. Brick, 2 stories and basement, 550x130 feet, slag roof, concrete foundations, mezzanine floor, metal lath, safety treads, rolled steel sash, hollow metal skylights, fire and kalamein doors, iron stairs, structural steel and iron work, cement floors, wire screens. Owners taking bids, due at New York office, 50 Union Square, at 9 A. M. Austin Co., Bulletin Building; Barclay White Co., 1713 Sansom street; F. W. Mark Cont. Co., Finance Build-

ing, all of Philadelphia; Shepherd Const. Co., Wilson J. Smith, Edw. Eyerman, and E. T. Long & Son, all of Wilkes-Barre, Pa.; Westinghouse, Chhurch, Kerr Co., 37 Wall street; Amsterdam Building Co., 140 West Forty-second street, and United Fireproofing Co., 8 West Fortieth street, all of New York City; Shamokin Lumber Co., Shamokin, Pa., and W. B. Poreh, St. James Hotel, Washington, D. C., are figuring.

## Pennsylvania

### Contracts Awarded

**Residence and Garage, Haverford, Pa.** Architect, Frank Seeburger, Weightman Building, Philadelphia. Owner, Frederick T. Chandler, Jr., 1338 Chestnut street, Philadelphia. Stone and frame, 2½ stories, 66x32 feet, wing 29x17 feet, garage and servants' quarters, 38½x22 feet, 1 story, shingle roof, oak and cement floors, stone foundations, tile work (heating, plumbing and electric lighting reserved). Contract awarded to Pomeroy Const. Co., 1609 Ranstead street.

**Galvanizing Plant, Leedsdale, Pa., \$60,000.** Architect, private plans. Owners, Riter-Conloy Manufacturing Co., Leedsdale, Pa. Brick and steel, 1 story, 65x250 feet, slag roof, rolled steel sash. Contract awarded to Hughes-Foukrod Co., Commonwealth Building.

**Residence, Springfield, Pa., \$8,000.** Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, John R. Conley, care of architect. Stone and stucco, 2½ stories, 32x54 feet, shingle roof, pine floors, steam heating, electric lighting, tile work. Contract awarded to E. J. Kreitzburg, 1345 Arch street, Philadelphia.

## NEW JERSEY

### Construction News

**Paving, etc., Noreg Village, Gloucester Co., N. J.** Engineer, Wm. H. Boardman, 426 Walnut street, Philadelphia. Owners, U. S. Shipping Board, on premises. Cement and concrete work, street pavements, curbs, gutters, street and house walks, etc. Lowest bid submitted by Arthur McMullen Co., Finance Building, \$136,278.20.

**Department Store, Camden, N. J.** Architect, Reuben Beard, Commonwealth Building, Philadelphia. Owner's name withheld. Brick, concrete and steel, 3 stories, 28x102 feet, slag roof, pine and parquet floors, hot water heating, electric lighting, tile work, hollow metal skylights, metal ceilings, 8 flush bulks, enameled brick, leaded glass and mirrors. Plans in progress.

**Country Club (alts. and add.), Riverton, N. J.** Architect, J. Fletcher Street, 129 South Fifth street, Philadelphia. Owners, Riverton Country Club, Riverton, N. J. New locker room. Stone, 1 story, 60x25 feet, tile work, plumbing. Architect taking bids, due as soon as possible. George Shaner, Palmyra, N. J.; Louis Loudon, Palmyra, N. J., and Joseph E. Kolster, Beverly, N. J., are figuring.

**School, Fourth and Jasper streets, Camden, N. J.** Architects, Berry & Cumiskey, 48 Ashly Road, Upper Darby, Pa. Owners, Sacred Heart R. C. Church, care of Rev. J. B. McCloskey, on premises. Concrete, brick and cut stone, 2 stories and basement, 123½x123½

feet, copper roof, concrete foundations, terrazzo, reinforced concrete and wood floors, electric lighting, double hung sash, kalamein doors, roof ventilators, metal lath, hollow tile, waterproofing, iron stairs, reinforcing steel, structural steel and iron work. Architects taking bids, due April 18.

**Hotel, Atlantic City, N. J., \$500,000.** Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner's name withheld. Brick and concrete semi-fireproof, 8 stories, 110x160 feet, roof garden (200 rooms and baths), steam heating, electric lighting, tile and marble work, elevators, roof ventilators. Preliminary plans in progress.

**School, Ventnor, N. J.** Associated architects, J. V. Mathis and V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Brick, 2 stories and basement, 65x104 feet, slag roof, concrete foundations, maple floors, electric lighting, rolled steel skylights, roof ventilators. Plans in progress.

**Warehouse, Atlantic City, N. J., \$50,000.** Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner's name withheld. Reinforced concrete, 2 and 1 stories, 73x200 feet, reinforced concrete roof, concrete floors and walls, hot water heating, electric lighting, storage radial tank, 250 ton capacity. Plans in progress.

**Bungalows (50), North Jackson street, Atlantic City, N. J., \$300,000.** Architect, Ber-

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Tasker Street Wharf, Delaware River, Phila. Both 'phones.



tram Ireland, Guarantee Trust Building, Atlantic City. Owner, Anthony Ruffu, City Hall, Atlantic City, N. J. Frame and stucco, 2 stories, 27x48 feet, slate roofs, hot water heating, electric lighting, hardwood floors. Owner will build.

**Hotel (alts.) to Apartments**, Bellevue avenue and Atlantic avenue, Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owners, Swartz & Garfinkel, 2706 Pacific avenue, Atlantic City, N. J. Interior alterations, plastering, new floors, plumbing. Plans completed. Owner taking sub-bids.

**Lodge Hall (alts.)**, New York avenue, Atlantic City, N. J. Architect, W. B. Reibenaek, Guarantee Trust Building, Atlantic City, N. J. Owners, American Star Odd Fellows, on premises. Tiles and metal work, new platforms, interior alterations. Plans in progress.

**Hotel (alts.) to Apartment**, Maryland avenue, Atlantic City. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, J. F. Eilenberg, 122 South Maryland avenue, Atlantic City. Frame, 4 stories, 32x90 feet, interior alterations, plumbing, electric lighting, etc. Owner will build.

**Stores, Hall and Lodge (alts. and add.)**, Fourth and Spruce streets, Camden, N. J. Architect, Thomas Stephen, Temple Building, Camden, N. J. Owners, Sons of Italy, on premises. Brick and stucco, 2 stories, 20x40 feet, slag roof, stone foundations, electric lighting, tile and marble work, oak floors, garden on roof, plate glass, ornamental plaster. Architect taking bids. J. S. Rogers Co., Drexel Building, Philadelphia; J. W. Draper, George T. West, and F. D. Valerian, Camden, N. J., are figuring.

**Theatre**, Vineland, N. J. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owner, Wm. Lubin, Grand Theatre, Landis avenue, Vineland, N. J. Sketches being drawn. Architect selected.

**Residence and Store**, Mt. Ephraim street, Camden, N. J. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owner's name withheld. Brick, 2 stories, 23x40 feet, slag roof, concrete foundations, hot water heating, electric lighting, pine floors. Plans in progress.

**Residence**, Haddonfield, N. J. Architect, Wm. C. Prichett, 421 Walnut street, Philadelphia. Owner, Wm. Wilkinson, Westmont, N. J. Frame and timber, 2½ stories, 38x50 feet, shingle roof, oak floors, hot water heating, electric lighting, tile and marble work. Architect is taking bids.

**Restaurant and Apartment**, West State st., Trenton, N. J., \$300,000. Architect, Walter Hankin, 239 South Warren street, Trenton, N. J. Owner, C. F. Hildebrecht, Trenton, N. J. Fireproof, concrete and hollow tile, brick and steel, 6 stories, 50x240 feet, electric lighting, tile and marble work, elevators, roof ventilators. Architect is taking approximate bids.

**Store and Flat (2)**, Princeton and Olden streets, Trenton, N. J., \$11,000. Architect, R. A. Schuman, 932 Lamberton street, Trenton, N. J. Owner, Jacob Freeman, Trenton, N. J. Brick, 2 stories, 44x48 feet, slag roof, electric lighting. Plans in progress.

**Residence**, South Broad street, Trenton, N. J. Owner, M. A. Tomks, Trenton, N. J. Architect, R. A. Schuman, 932 Lamberton street, Trenton, N. J. Brick, 3 stories, 20x65 feet, slag roof, hardwood floors, electric lighting. Plans in progress.

**Store (alts.)**, North Broad street, Trenton, N. J. Architect, Wm. Kleman, First National

Bank Building, Trenton, N. J. Owners, Home Furniture Co., Trenton, N. J. New front, plate glass and general alterations. Architect taking bids, due April 16th. Fred Parker and Wm. Ivin, Trenton, N. J., are figuring.

**Residences (2)**, Elmherst avenue, Trenton, N. J. Architect, Wm. Kleman, First National Bank Building, Trenton, N. J. Owner, Miss Carrie Hayes, Yards Department Store, Trenton, N. J. Brick, 2½ stories, 42x33 feet, slate roof, stone foundations, steam heating, electric lighting, tile work, hardwood floors. Architect taking bids, due April 18th. J. H. Morris, Fred Parker, and Wm. Ivins, all of Trenton, N. J., are figuring.

**Dormitory**, Trenton, N. J., \$3,000. Architect, F. H. Bent, Capitol Building, Trenton, N. J. Owners, Board of Managers, State Home for Girls, Trenton, N. J. Brick, 2 stories and basement, 7x70 feet and 27x39 feet extension, slate roof, concrete foundations, steam heating, electric lighting, tile work, wood floors. Architect taking bids, due April 29th. W. J. Warren, Princeton, N. J.; Matthews Const. Co., Princeton, N. J.; C. Y. Barlow and T. Day, both of Trenton, N. J., and Fennimore & Furth, Bordentown, N. J., are figuring.

**Publishing Building (alts.)**, Stockton street, Trenton, N. J. Architect, Wm. Kleman, Commonwealth Building, Trenton, N. J. Owners, Trenton Evening Times, Stockton street, Trenton, N. J. Brick, 30x80 feet, interior alterations and addition. Architect taking bids. James Morris, S. W. Mather & Son, Thomas Day, C. Y. Barlow, and Wm. Ivin, all of Trenton, N. J., are figuring.

## New Jersey Contracts Awarded

**Silk Mill Extension**, Bloomsburg, N. J. Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owners, J. H. Meyer Silk Mills Co., care of Wm. Prunaret, Northampton, Pa. Brick, 1 story, 70x80 feet, asbestos roof, maple floors, heating extension, electric lighting, hollow metal skylights. Contract awarded to Butz & Clader, Allentown, Pa.

**Garage**, Bethlehem, Pa. Architect, H. J. Weigner, Bethlehem Trust Building, Bethlehem, Pa. Owner, R. G. Mohr, 19 North Linden street, Bethlehem, Pa. Brick, 1 story, 32x120 feet, slag roof, stone foundations, hot water heating, electric lighting, cement floors, gasoline storage system. Contract awarded to F. Glassmire, Bethlehem, Pa.

**Paving, Curbing and Concrete Work**, Yorkship Village, Camden, N. J. Owners, Fairview Realty Co., Administration Building, Yorkship Village. Six miles of macadam paving, 2 miles concrete street paving, 4 miles of concrete alley paving, curbs, gutters, sidewalks with same, front and rear house walks and steps for about 1,600 houses. Contract awarded to Hugh Nawn Const. Co., Camden, N. J., \$466,507.77, 240 days.

**Alum Plant**, Brunswick avenue, Trenton, N. J. Architect, J. O. Hunt, 114 North Montgomery street, Trenton, N. J. Owners, City of Trenton, N. J., Water Department, City Hall, Trenton, N. J. Brick and reinforced concrete, 2 stories, 40x80 feet, slate roof, reinforced concrete floors, electric lighting. Contract awarded to Charles Barlow, 114 N. Montgomery street, Trenton, N. J.

**Cottage**, Bordentown, N. J. Architect, F. H. Bent, Capitol Building, Trenton, N. J. Owners, State Board of Education, Borden-

town, N. J. Frame and stucco, 2½ stories, 30x21 feet, shingle roof, wood floors, hot water heating, electric lighting. Contract awarded to Fennimore & Furth, Bordentown, N. J.

**Store and Office Building (alts. and add.)**, 17 West State street, Trenton, \$10,000. Architect, W. H. Hankins, 942 Cartaret street, Trenton, N. J. Owner, Hildebrecht Estate, care of Charles J. Hildebrecht, 19 West State street, Trenton, N. J. General alterations and addition, 3 stories, 20x60 feet. Contract awarded to Wm. J. H. Morris, Trenton, N. J.

**Residences (2)**, 25 and 45 Riverside avenue, Trenton, N. J., \$10,000. Architect, private plans. Owners, George and John Mycock, Trenton, N. J. Frame, 2½ stories, 24x30 feet, slate roof, electric lighting. Contract awarded to Edw. Reeder, Trenton, N. J.

**Residences (6)**, 15 to 25 Laselle street, Trenton, N. J., \$18,000. Architect, private plans. Owner, Trenton Suburbiana, Trenton, N. J. Brick, 2½ stories, 14x30 feet, slate roof, pine floors, electric lighting. Contract awarded to Germaro Tuccillo, Trenton, N. J.

## Miscellaneous Construction News

**Residence**, Woodlawn avenue, Wilmington, Del. Architect, E. C. May, du Pont Building, Wilmington, Del. Owner's name withheld. Brick, 2½ stories, 40x28 feet, slate roof, hardwood floors, vapor heating, electric lighting, tile and marble work. Plans in progress.

**Garage (add.)**, Guinecourt, Del., \$8,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, V. DuPont, Jr., Guinecourt, Del. Stucco and hollow tile, 25x25 feet, tin roof, concrete floor. Architect has received bids.

**Residence**, Eighth and Rodney streets, Wilmington, Del., \$11,000. Architect, E. L. Rice, 815 Market street, Wilmington, Del. Owner's name withheld. Brick and stucco, 2 stories, 27x40 feet, asbestos roof, hardwood floors, electric lighting. Contract awarded to H. D. Haddock Co., 804 Orange street, Wilmington, Del.

**Dwellings (2)**, 2700-2702 Washington street, Wilmington, Del., \$10,000. Architect, private plans. Owner, H. B. Donaldson, Twenty-third and Jefferson streets, Wilmington. Brick, 2½ stories, 20x30 feet, slag roof, hot air heat, electric light, hardwood floors. Owner will build.

**Hospital Buildings (3)**, Washington, D. C., \$550,000; Norfolk, Va., \$900,000; Dawson Springs, Ky., \$1,500,000. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, U. S. Government, Treasury Department, Washington, D. C. Sites selected. Plans in progress.

**Building No. 42 (add.)**, Spec. 3799, Portsmouth, N. H. Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Steel frame and brick, 2 stories, 57x146 feet, asbestos roof, concrete floors, hot water heating, rolled steel sash, hollow tile, elevators. Lowest bid submitted by Hughes Foulkrod Co., Commonwealth Building, Philadelphia, \$62,000, 120 days.

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## MARYLAND

# Construction News

**Bank (add.)**, South street, Baltimore, Md. Architect, not yet selected. Owner, Merchants-Mechanics First National Bank, on premises. Site purchased. Work contemplated.

**Dwellings (2,400)**, between Twenty-ninth and Thirty-fifth streets, Hillen road and Harford avenue, Baltimore, Md., \$4,500,000. Architect, private plans. Owner, Frank Novak, 2401 Harford avenue, Baltimore, Md. Brick, 2 stories, stone and marble trim, slate, slag and tile roofs, steam and pipeless heating, electric lighting, galvanized iron skylights, ventilators, dampproofing, terra cotta, hollow tile, tile work, plastering, painting, plumbing. Plans in progress.

**Garage**, Fulton and Pennsylvania avenues, Baltimore, Md. Architect, George R. Callis, Jr., Melvin avenue, Catonsville, Md. Owner, The Universal Garage Co., care of architect. Brick, 1 story, 98x350 feet, stone trim, slag roof, cement floor, steam heating, electric lighting, metal doors, hollow metal skylights, ventilators, fireproofing, dampproofing, hollow tile, plastering, composition floors, painting, plumbing. Plans about completed. Will be ready for bids in one week.

**Office and Warehouse**, west of Pier No. 2, Pratt street, Baltimore, Md., \$200,000. Architect, private plans. Owners, Standard Oil Co., Pier No. 2, Pratt street, Baltimore, Md. Reinforced concrete and brick, 6 stories, 100x100 feet, stone and marble trim, slag roof, steam heating, electric lighting, electric elevators, steel and iron work, ornamental iron work, fire escapes, steel sash, metal doors, metal ceilings, hollow metal skylights, ventilators, fireproofing, dampproofing, tile, slate and terrazzo work, composition floors, hollow tile. Plans in progress.

**Storehouse**, Sparrows Point, Md., \$30,000. Engineer, G. Styrlander, care of Bethlehem Shipbuilding Corporation, Ltd., on premises. Owner, Bethlehem Shipbuilding Corporation, Ltd., Sparrows Point, Md. Frame, 2 stories, 42x86 feet, composition roof, equipment for rivet storehouse. Owners will take new bids.

**Bank and Office Building**, Charlottesville, Va., \$200,000. Architect, Marsh & Peter, 522 Thirteenth street, Washington, D. C. Owner, National Bank of Charlottesville, Va., care of Thomas P. Payton, on premises. Steel, brick and stone, 8 stories, 56x100 feet, tile roof, concrete and tile floors, electric lighting, steam or vapor heating, electric lighting. Owners taking bids.

**Boiler House and Hospital**, near Towson, Md. Architect, Francis E. Tormey, 813 Newington avenue, Baltimore, Md. Owner, St. Vincent's Orphan Asylum, on premises. Brick, stone and stucco, 2½ stories, 40x50 feet, and

1 story, 40x100 feet, slag roof, steam heating, electric lighting, steel sash, metal doors, hollow metal skylights, copper work, fireproofing, dampproofing, reinforced concrete work, terra cotta, hollow tile, stucco, plastering, metal lath, tile, slate and terrazzo work, composition floors. Plans in progress. Builder, J. J. O'Connor, Knickerbocker Building, Baltimore, Md., will take sub-bids.

**Garage, Stables and Apartment**, Charles street avenue, Baltimore, Md. Architect, H. I. Kavanaugh, 914 North Charles street, Baltimore, Md. Owners, Notre Dame College, on premises. Stone, 2½ stories, 40x70 feet, tile roof, hot water heating, electric lighting, ornamental iron work, ventilators, reinforced concrete work, hollow tile, fireproofing, tile and terrazzo work, composition floors, dumb waiters. Architect taking bids. Frainie Bros. & Haigley, J. J. Moylan, Henry Sorrell & Son, T. D. Keating, J. J. Walsh & Son, all of Baltimore, Md.

**Garage**, York road and Thirty-fifth street, Baltimore, Md. Architect, Fred E. Beall, 1335 North Gilmore street, Baltimore, Md. Owner, Crouch & Leaser, 114 East Lombard street, Baltimore, Md. Brick, 1 story, 81x200 feet, slag roof, steam heating, electric lighting, steel and iron work, metal doors, hollow metal skylights, roof ventilators, plumbing, plastering, painting. Owner taking bids.

**Garages (25)**, rear Maryland avenue, near Twenty-fifth street, Baltimore, Md. Architect, Robert L. Harris, 2027 Kennedy avenue, Baltimore, Md. Owner, Henry E. Blake, 301 Law Building, Baltimore, Md. Brick, 1 story, slag roof, cement floors, electric lighting, metal doors, skylights, ventilators, plumbing, painting, heating. Owner taking bids.

**Loading Room**, Brunswick street, near Union Stockyards, Baltimore, Md. Owner, Greenwald Packing Co., on premises. Architect, Otto Kubitz, Emerson Tower, Baltimore, Md. Brick, 1 story, slag roof, concrete foundations, electric lighting, steel sash, metal doors, hollow metal frames, fireproofing, painting, plumbing. Architect taking bids. Consolidated Eng. Co., Calvert Building, Baltimore, is figuring.

**Store and Warehouse**, East Lexington street, Baltimore, Md. Architect, F. J. Beall, 1335 North Gilmore street, Baltimore, Md. Owner, Isaac Ellinger, 314 St. Paul street, Baltimore, Md. Brick, steel frame and stucco, 3 stories, 30x30 feet, slag roof, steam heating, electric lighting, hollow metal skylights, fire escapes, roof ventilators, fireproofing, hollow tile, tile, slate and terrazzo work, plastering, painting, plumbing. Owner taking bids. W. H. Callahan, Knickerbocker Building, Baltimore, is figuring.

Md. Architect, Francis E. Tormey, 813 Newington avenue, Baltimore. Owner, St. Vincent's Orphan Asylum, on premises. Stone and brick, fireproof, slate roof, steam heating, electric lighting, fire escapes, metal doors, metal ceilings, hollow metal skylights, roof ventilators, plastering, metal lath, plumbing, tile, slate and terrazzo work, composition floors, hardwood floors, dumb waiters, vacuum cleaning system, refrigerators, painting. Contract awarded to J. J. O'Connor, Knickerbocker Building, Baltimore, who is taking sub-bids.

**Bungalow**, Harford road and Echodale avenue, Baltimore, Md. Architects, Blanke & Xink, 211 North Calvert street, Baltimore, Md. Owner, J. F. Simons, care of architect. Frame, 1½ stories, slate roof, pipeless heater, electric lighting, ventilators, painting, plumbing, tile work, hardwood floors, refrigerator. Contract awarded to Oscar C. Hook, Riderwood, Md.

**Bungalow**, Harford road and Echodale avenue, Baltimore. Architects, Blanke & Xink, 211 North Calvert street, Baltimore. Owner, Paul Schroetter, care of architects. Frame, 1½ stories, slate roof, pipeless heater, electric lighting, ventilators, painting, plumbing, tile, hardwood floors, refrigerator. Contract awarded to Oscar C. Hook, Riderwood, Md.

**Residence**, near Towson, Md. Architects, Walter M. Gieske, Gunther Building, Baltimore. Owner, W. Gill Smith, Second National Bank Building, Towson, Md. Frame, 2½ stories, slate roof, hot water heating, electric lighting, tile work, hardwood floors, plastering, painting, plumbing, refrigerator. Contract awarded to Oscar C. Hook, Riderwood, Md.

**Dwellings (10)**, Ten Hills, Md., \$70,000. Architect, Fred Thomas, 135 North Kenwood avenue, Baltimore. Owners, Ten Hills Corporation, 218 East Lexington street, Baltimore. Frame, 2½ stories, slag roof, stone trim, hot water heating, electric lighting, tile work, hardwood floors, plastering, painting, plumbing. Contract awarded to J. Henry Smith, 1426 Light street, Baltimore.

**Office (add.)**, American Building, Baltimore, Md. Architect, Theo. Wells Pietsch, 1210 American Building, Baltimore. Owner, Baltimore American, Baltimore, Md. Gallery, steel and fireproof construction, brass railing. Contract awarded to Hicks, Tase & Norris, Baltimore, Md.

**Warehouse**, Key Highway and Lawrence street, Baltimore, Md. Architect, private plans. Owners, McArdle & Cooney, 8 East Lombard street, Baltimore, Md. Reinforced concrete, 1 story, 50x150 feet, slag roof, electric lighting, steel sash, hollow metal skylights, steel and iron work, painting and plumbing. Contract awarded to Charles L. Stockhausen Co., Gay and Water streets, Baltimore.

### Permits for New Buildings

Dwellings (11), Fifteenth street and Olney avenue, \$53,300. Wm. J. Balt (O and C), 709 Butler street. Brick, 2 stories, (8) 16 and 13x29 and 17 feet, (3) 16 feet 6 inchesx46 feet, hot water heating.

Dwellings (28), 5500 to 5554 Willows avenue, \$140,000. Ferguson & Collins (O and C), Fifty-sixth and Willows avenue. Brick, 2 stories, (2) 16 feet 4 inchesx48 feet, (26) 16 and 13x29 and 17 feet.

Dwellings (6). \$25,200, 4342-52 North

## MARYLAND

# Contracts Awarded

**Store Building (add.)**, 13-15 North Charles street, Baltimore, Md. Architect, Smith & May, Calvert Building, Baltimore. Owner, The Hub, on premises. Brick, stone trim, 2 stories, slag roof, steam heat, electric lighting,

hollow metal skylights, roof ventilators, tile work, plumbing, painting, steel and iron work. Contract awarded to C. L. Stockhausen Co., Gay and Water streets, Baltimore.

**Orphanage (alts. and add.)**, near Towson,

We have pebbles all sizes. Cost less than what you are using. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



Eighth street. George J. Bauerle (O and C), 4314 North Eighth street. Brick, 2 stories, 14 feet 6 inches and 11 feet 6 inchesx12 feet, slag roofing, hot water heating.

Garage, 4325 North Darien street, \$700. George J. Bauerle (O and C), 4314 North Eighth street. Brick, 1 story, 17x19 feet.

Garage, 4352 North Darien street, \$700. George J. Bauerle (O and C), 4314 North Eighth street. Brick, 1 story, 14 feet 9 inchesx19 feet.

Dwellings (2), Sydenham and Lindley avenues, \$19,000. H. W. Downsborough (O and C), Weightman Building. Brick, 2 stories, 16x54 feet, hot water heating.

Dwelling, Sydenham and Duncannon avenue, \$9,500. Herbert W. Downsborough (O and C), Weightman Building. Brick, 2 stories, 16x54 feet, hot water heating.

Dwellings (18), 5115 to 5149 North Sydenham street, \$126,000. Herbert W. Downsborough (O and C), 1015 Weightman Building. Brick, 2 stories, 15 feet 10 inches and 12 feet 10 inchesx32 feet 8 inches and 10 feet 10 inches, hot water heating.

Dwelling, Sixteenth and Lindley avenue, \$10,000. Herbert W. Downsborough (O and C), 1015 Weightman Building. Brick, 2 stories, 16x54 feet, hot water heating.

Dwellings (9), 1525 to 1535 Lindley avenue, \$76,500. Herbert Downsborough (O and C), 1015 Weightman Building. Brick, 2 stories, 16x54 feet, hot water heating.

Dwellings (3), 1515-17-19 Duncannon avenue, \$25,500. Herbert W. Downsborough (O and C), Weightman Building. Brick, 2 stories, 16x54 feet, hot water heating.

Garage, Emerald and Atlantic street, \$7,000. C. Freitag (O), 3615 Emerald street. Brick, 1 story, 50x100 feet. F. Dietrich, Jr., (C), 1828 East Schiller street.

Dwelling, east side of Eleventh street, south of Champlost street, \$4,500. Walter T. Swenk (O), 719 Sansom street. Brick, 3 stories, 21x29 feet, slag roof, hot water heating. Alex. E. Voight (C), 6108 North Tenth street.

Garage, 2607-11 South street, \$600. Meyer Frankel (O), Twenty-sixth and South streets. John R. Kammever (C), 625 South Twenty-seventh street. Brick, 1 story, 49x100 feet.

Garage, 2008 Fitzwater street, \$825. T. S. Burwell (O), on premises. L. H. Stanford (C), 1428 North Eighteenth street. Brick, 1 story, 16x24 feet.

Shop, 1526 Loudon street, \$700. Wm. Dawson (O), on premises. R. McGlatchery (C), 2306 North Twenty-sixth street.

Dwelling, 1315 Catherine street, \$300. Rocco Antonio Pavese (O), on premises. Albert Canzio (C), 1326 Moore street. Brick, 1 story, 10 feet 6 inchesx36 feet.

Dwelling, 4930 Kershaw street, \$3,000. Emilio Mazzanti (O), on premises. Brick, 2 stories, 16 feet 4 inchesx46 feet 8 inches, slag and tin roof. Owner will build.

Garage, 1504 Ruscomb street, \$300. C. Pfebsing (O), on premises. R. J. Lechner (C), 2715 Eddington street. Iron, 1 story, 8x16 feet.

Garage, rear 500 Cottage street, \$445. Meevin R. Nice (O), on premises. George R. Osborne (C), 5017 Muffield street. Brick, 1 story, 10x15 feet.

Garage, Nineteenth and Miffin streets, \$1,000. N. Stefano (O), on premises. H. F. Dillon (C), 1223 South Twentieth street. Brick, 1 story, 8x16 feet.

Garage, 6618 Woodland avenue, \$1,500. H. D. Fraser (O), on premises. Brick, 1 story, 18x23 feet. Wm. J. Erwin (C), 5927 Kingessing avenue.

Garage, 1306 Ruscomb street, \$450. A. R. Yerkes (O), on premises. Harry S. Barnes (C), 2080 East Willard street. Iron, 1 story, 22 feet 6 inchesx16 feet.

Garage, south side of Grant avenue, west of State Road, \$300. Walter Struve (O), on premises. George Rimer (C), 4842 Hawthorne street. Frame, 1 story, 14x22 feet.

Garage, 1617 Cuthbert street, \$400. Mrs. Simmer (O), 1618 Arch street. T. S. Johnson Sons Co. (C), 622 Cherry street. Iron, 1 story, 12x16 feet.

Dwellings (30), 800-826 and 801-901 North Sixty-fourth street, \$210,000. Moss & Taylor (O and C), Fifty-eighth and Girard avenue. Brick, 3 stories, 24x35 feet. Slate roof, steam heating.

Dwellings (6), \$19,200, 1100-1110 Robbins street. Harry F. Hartwig (O and C), 7403 Bingham street. Brick, 2 stories, 14x41 feet, slag roof, hot water heating.

Two-Family Dwelling, \$4,600, 619 Fitzwater street. L. Vilotti (O), 615 Fitzwater street. Tony Bressi (C), 1141 Linn street. Brick, 3 stories, 20 and 14½ feetx21 feet 3 inches and 26 feet 3 inches, slag roofing.

Garage, 1922 East Kingston street, \$300. John McClure (O and C), 1921 East Atlantic street. Iron, 1 story, 12x22 feet.

Packing House, Germantown and Hunting Park avenues, \$90,000. John J. Felin & Co. (O), on premises. Henry E. Baton (C), 1713 Sansom street. Brick and concrete 3 stories, 40 feet 10 inchesx89 feet 6 inches.

Garage, 1231 Wakeling street, \$600. E. W. Taylor (O), on premises. C. West & Co. (C), Oxford avenue and Wakeling street. Brick, 1 story, 11 feet 6 inchesx18 feet.

Garage, Sixteenth and Rockland streets, \$8,000. J. J. Kelly Cont. Co. (O and C), Oak Lane. Brick, 1 story, irregular shape.

Dwellings (14), Sixteenth and Rockland streets, \$66,500. J. J. Kelly Cont. Co. (O and C), Oak Lane. Brick, 2 stories, 15-12x30-10 feet, slag roofing, hot water heating.

Dwellings (2), \$12,000, 1228-30 Wakeling street. C. West & Co. (O and C), Oxford avenue and Wakeling street. Brick, 3 stories, 16 feet 4 inchesx37 feet. (1) 16 feet 4 inchesx10 feet, hot air heating.

Garage, Sixteenth and Rockland streets, \$8,000. J. J. Kelly Cont. Co. (O and C), Oak Lane. Brick, 1 story, 82x3x68 feet, slag roof.

Garage, Fifth and Courtland streets, \$2,400. John Donohue (O), 4920 North Fifth street. H. E. Sweger (C), 4435 North Uber street. Brick, 1 story, 26x40 feet.

Garage, 5435 North Sixth street, \$300. Geo. Redmond (O), on premises. A. Refetto (C), 2403 North Twentieth street. Brick, 1 story, 11x17 feet, slag roof.

Shelter, Castor Road, south of Cottman street, \$400. Jacob Rosenfield (O), on premises. Harry Meyerowitz (C). Frame, 1 story, 16x50 feet.

Garage, 5105 Overbrook avenue, \$1,400. J. Newlin Brown (O), on premises. Rudolph Lukens (C), Cynwyd, Pa. Stone, 2 stories, 18x21 feet, shingle roof.

Dwelling and Store, Eighty-first and Madison avenue, \$3,000. J. S. Katkin (O), on premises. Brick, 2 stories, 16x38 feet, slag roofing, hot air heating. Owner will build.

Garage, Simpson street, north of Vine street, \$500. Louisa Zorrilli (O), 6425 Vine street. Nicholas Morrone (C), 6419 Vine street. Brick, 1 story, 9x15 feet.

Dwelling, 2333 South Seventy-second street, \$3,000. Albert H. Knecht (O), Nineteenth and Christian streets. Brick, 2 stories, 17 feet 10 inchesx30 feet, slag roofing, hot water

heating. Owner will build.

Fence Wall, west side of Taney street, south of Pine street, \$1,000. Chas. Schaals (O), Sixteenth and Pine streets. F. Mark Const. Co. (C), 2820 North Twenty-first street. Brick.

### Alterations and Additions

Storage, 3900 Warren street, \$3,500. Monarch Storage Co. (O), on premises. James C. S. Fernald (C), 3900 Warren street.

Store, 925 Arch street, \$320. William F. Dougherty (O), on premises. John A. Codori (C), 1235 Arch street.

Dwelling, 506 McKean street, \$500. Solomon Singer, on premises (O and C).

Dwelling, 2601 Naudain street, \$700. Alice McCrea (O), 2601 Naudain street. A. MacTavish (C), 1515 Pine street.

Garage, Broad and Huntingdon streets, \$3,500. Vim Motor Co. (O), on premises. Curtis Paving Co. (C), 641 North Eighteenth street.

Moving Picture Theatre to Church, east side of Front street, north of Ontario street, \$6,500. Third Reformed Presbyterian Church (O), Front and Allegheny avenue. G. Bartram Bond (C), Sixty-sixth avenue and Thirtieth street.

Motor and Bicycle Drome and Grandstand, south side Penrose Ferry, west of Twenty-fifth street, \$8,000. John Komie (O), Point Breeze Park. J. M. Chapman (C), Point Breeze Park.

Dwelling, 34 North Fifty-seventh street, \$500. C. Pyle (O), on premises. Frank Poole (C), 35 North Fifty-ninth street.

Dwelling, 726 South Schell street, \$400. Joseph Baranzard (O), Mildred and Fitzwater streets. Santi Cossa (C), 922 South Twelfth street.

Store, Warehouse and Office Building, 1632-34 Sansom street, \$14,000. F. C. Mellen Estate (O), 34 South Seventeenth street. Geo. C. Dougherty (C), 1725 Ludlow street.

Machine Shop, Front and Kenilworth streets, \$12,000. General Engineering Works (O and C), 719 Front street.

Factory, 405-7 Race street, \$3,000. Stephen F. Whitman & Son (O), 405 Race street. Harry R. Rust (C), 19 South Eighth street.

Dwelling, 2447 Cedar street, \$900. William Birchall (O), 2521 Cedar street. William Faries (C), 2148 East Cumberland street.

Dwelling, 5116 North Twelfth street, \$300. William Linnberg (O), 5116 North Twelfth street. Fred Weiss (C), 4825 Marvine street.

Dwelling, 1528 Loudon street, \$300. Mr. Hicks (O), on premises. Fred Weiss (C), 4825 Marvine street.

Dwelling, 4647 Oakland street, \$750. St. Lawrence Woodhouse (O), on premises. Wilson Milner (C), 4634 Penn street.

Garage, 3636 North Fifteenth street, \$300. Morris Burley (O), 3626 North Fifteenth street. H. F. Weber (C), 2049 Cheltenham avenue.

Store and Dwelling, 2729 Girard avenue, \$500. Mrs. D. Shindler (O), on premises. M. Meyerson (C), 1233 Cherry street.

Dwelling and Shop, 1708 Diamond street, \$700. George B. Feury (O and C), on premises.

Dwelling, 3611 Powelton avenue, \$350. Samuel Broadbent (O), on premises. A. Gohn (C), 1562 North Fifty-fifth street.

Dwelling, 1843 Christian street, \$700. Miss Sarah Hamilton (O), on premises. J. F. Trent (C), 2041 Master street.

Office and Dwelling, 1319 Nedro street, \$650.

Our specialty is Portland Cement that will stick and pass the City Department. **DAVID FRANCE CO.,**  
Tasker Street Wharf, Delaware River, Philadelphia.



(Abbie B. Pagan (O), 5938 North Park avenue. Emilio F. Pagan (C), 5938 North Park avenue.

Store and Dwelling, 2012 Frankford avenue, \$2,000. Emil Hertensteiner (O), on premises. G. Cravero (C), 513 Ruscomb street.

Store and Dwelling, 1606 South Eleventh street, \$300. Frank Foreiano (O), on premises. Tony Bressi (C), 1141 Lunn street.

Factory, 418 North Third street, \$500. Alexander Brothers (O), 416 North Third street. Turner Const. Co. (C), 1713 Sansom street.

Dwelling, 2911 Wharton street, \$400. Liberto Di Lorenzo (O), on premises. Joseph Concole (C), 1303 South Tenth street.

Garage, 1419 Bainbridge street, \$750. Nat. Smith (O), 1542 South street. A. P. Tucker (C), 5136 Parkside avenue.

Bakery, Tenth and Reed streets, \$1,500. Kolb's Bakery (O). Concrete Const. Co. (C), 1618 Thompson street.

Dwelling, 5625 North Palethorpe street, \$528. Gottlob Henzog (O), on premises. George R. Dewees (C), 311 Grange avenue.

Office and Storehouse, 1808 Ludlow street, \$900. John McCann & Brother (O), 1632 Sansom street. G. Greenwald (C), 6 North Nineteenth street.

Store and Dwelling, 8026 Eastwick avenue, \$700. T. Calender (O), on premises. T. Kaplan (C), Eighty-fourth and Eastwick avenue.

Store and Dwelling, 6306 Woodland avenue, \$1,200. Joseph Wagner (O), on premises. T. Kaplan (C), Eighty-fourth and Eastwick avenue.

Dwelling, 1914 Girard avenue, \$800. M. A. Wassam (O), on premises. John Wassam (C), 1914 Girard avenue.

Wagon House, 3056 Janney street, \$500. Henry Becker (O), on premises. John Tucker (C), 312 Christian street.

Dwelling, 411 West Horter street, \$1,500. A. R. Mitchell (O), on premises. W. J. Gruhler (C), 219 High street.

Dwelling, 1925 North Thirty-first street, \$1,000. J. Lobin (O), on premises. Julius Ostroff (C), 310 Porter street.

Dwelling, School lane and Greene street, \$1,430. Dr. Cameron (O), on premises. John E. Walt (C), 204 East Willow Grove avenue.

Garage, 1848 North Twentieth street, \$1,000. Charles Quimby (O), on premises. Charles A. Carr (C), 1841 Ginnoda street.

Dwelling, 5513 North Fairhill street, \$400. Linfred Walters (O), on premises. Thomas A. Hiny (C), 3347 North Fifth street.

Stores (3), 1007-9-11 Market street, \$10,000. John Dobson (O), 809 Chestnut street. E. H. Keifer & Son (C), 1321 Rodman street.

Store and Dwelling, 1007 South Ninth street, \$900. Frank Leuzzi (O and C), 1228 Fitzwater street.

Store and Dwelling, 4062-64 Lancaster avenue, \$1,000. S. S. Middleton (O), Sharon Hill, Pa. J. S. Fenimore (C), Collingsdale, Pa.

Store and Dwelling, 1765 Juniata street, \$1,100. Frank Czarnecki (O), on premises. Anthony Ziernicki (C), 1632 Hunting Park avenue.

Dwelling to Apartments, 1920 North Seventeenth street, \$2,000. Bessie S. Beck (O), 2015 North Seventeenth street. Harry Beck (C), 2015 North Seventeenth street.

Office, Tenth and Luzerne avenue, \$16,000. P. R. T. Co., 810 Dauphin street (O and C).

Apartments, 1918 North Seventeenth street, \$4,000. Harry Beck (O and C), 2015 North Seventeenth street.

Store and Dwelling, 2124 Ridge avenue, \$350. Joseph Lashner (O), 1241 Ridge avenue. Lashner Brothers (C), 1625 South Orkney

street.

Dwelling, Mermaid and Lincoln Drive, \$1,000. Mrs. Mary Starr (O), on premises. Stokes Brothers (C), 6723 Musgrave street.

Office, 5541 Lena street, \$600. Wilson Gardner Co., on premises (O and C).

Dwelling, 6368 McCallum street, \$875. John Pyrah (O), on premises. J. Borden & Brother (C), 637 North Nineteenth street.

Store, 150 Produce street, \$500. Charles Wyman (O), on premises. B. Bornstein (C), 1510 North Franklin street.

Dwelling, 1617 North Park avenue, \$1,200. E. F. Bahls Co. (O and C), 1702 North Thirtieth street.

Dwelling, Shawmont avenue, east of Ridge avenue, \$2,800. George Micehl (O), on premises. Griffith H. Yarnall (C), 8722-24 Ridge avenue.

Shop, 403 Commerce street, \$1,300. J. Somers Smith (O), 212 South Fourth street. John Duncan (C), 920 Walnut street.

Warehouse, Thirty-first and Chestnut streets, \$3,000. Great Bear Spring Water Co. (O), on premises. E. R. Clark (C), 536 East Walnut lane.

Store and Dwelling, 424 South Sixtieth street, \$1,500. Sufpanke Calpacian (O), 5926 Walnut street. A. H. Mahjoubian (C), 5926 Walnut street.

Dwelling and Shop, 1933 South Seventeenth street, \$600. W. J. Weir (O and C), 1730 Mifflin street.

Store and Dwelling, 1804 East Allegheny avenue, \$300. S. Polis (O), 1532 North Tenth street. J. Giernspan (C), 551 North Sixth street.

Office, Shop and Dwelling, 1509 Wood street, \$1,000. D. Henwood (O and C), 1509 Wood street.

Dwelling, 138 East Fisher's Lane, \$800. A. B. Shoemaker (O), on premises. John Ashton (C), 211 Ryers avenue.

Store and Dwelling, Hunting Park avenue and Fox street. John A. Goodwin (O and C), Twenty-second and Venango streets.

Motion Pictures, 1214 Market street, \$20,000. Advance Amusement Co. (O and C), on premises.

Storage, Eighth and Race streets, \$800. Strawbridge & Clothier (O), Eighth and Market streets. Steward & Stevens (C), 1724 North Ninth street.

Store and Dwelling, Nineteenth and Mifflin streets, \$500. N. Stefano (O), on premises. H. F. Dillon (C), 1223 South Twentieth street.

Store and Dwelling, 204 North Fifth street, \$1,800. Charles F. Eggelstein (O), 1005 Bailey Building. H. Cooper (C), 411 Tasker street.

Garage, Windrim avenue, east of Eleventh street, \$1,100. F. G. Hamlin (O), 1108 Duncannon street. D. Stirrett (C), 924 Duncannon street.

Shop, 825 North Fourth street, \$435. Tony Frostkofir (O), on premises. Joseph Schwartz (C), 1125 Germantown avenue.

Factory, southeast corner of Race and Camac streets, \$1,000. Thos. M. Seeds, Jr., estate (O), 1207 Race street. Edw. Fay & Son (C), 2 South Mole street.

Store and Dwelling, 1906 South street, \$450. Mr. & Mrs. James Maginley (O), 2051 Bainbridge street. Samuel H. Bythewood (C).

Store, 418 Market street, \$700. Paul Feldman (O), on premises. N. Sklar (C), 628 Pine street.

Dwelling, 2048 North Lawrence street, \$800. Louis Sauer, Sr. (O), on premises. Thomas Dallas (C), 422 Diamond street.

Change Rag Shop to Garage, 1705 Carpenter street, \$1,500. Tonti (O), 1707 Carpenter

street. Rev. Boyd Stanley (C), 1234 South Fifteenth street.

Store and Dwelling, 1742 Columbia avenue, \$700. Susman Zubrow (O), 762 South Fourth street. John J. Niehenke (C), North Eighteenth street.

Stables, alterations to Store, 915 North Marshall street, \$700. Minnie Rootbert (O), 708 South Fourth street. Scheetman Bros. (C), 1734 North Seventh street.

Garage and Storage, northeast corner of Twenty-fifth and Moore streets, \$7,500. Jas. A. Hamilton (O), on premises. J. Ehman (C), 1908 Tasker street.

Storage, Hunting Park and Wissahickon avenues, \$6,000. Edw. G. Budd Co. (O), on premises. Steward & Stevens (C), 1724 N. Ninth street.

Store, 1016-1018 Chestnut street, \$22,222. Mandarin Cafe (O), on premises. A. P. Frain (C), 319 Market street.

Dwelling, 1320 Mt. Vernon street, \$375. Felice Serdellari (O and C), on premises.

Store and Dwelling, 1738 Market street, \$500. Samuel S. Hoar, Inc., 1738 Market street (O and C).

Store and Dwelling, 4118 Terrace street, \$300. Mrs. Dalton (O), on premises. John F. Hillsley (C), 217 Dupont street.

Dwelling, 2813 Edgemont street, \$300. J. Moskal (O and C), on premises.

Dwelling, 116 Olney avenue, \$650. Elsie M. Stork (O), on premises. John H. Cloak (C), 5421 South Fifth street.

Garage, Sixty-fourth and Upland streets, \$1,200. George H. Farrell (O and C), 6355 Greenway street.

Store and Dwelling, 7214 Germantown avenue, \$400. Robert Killough (O), on premises. Owner will build.

Store and Dwelling, 107-9 Grape street, \$1,327. M. T. Pazylylien (O), 4300 Main street. James Stewart (C), 4552 Manayunk avenue.

Store and Dwelling, Ninth and Jackson sts., \$1,800. Isaac Bodeskelf (O), on premises. S. Krantz (C), 755 Morris street.

Dwelling, Twenty-first and Susquehanna avenue, \$1,200. S. Steinberg (O), 1920 West Susquehanna avenue. A. Warshowsky (C), 545 North Seventh street.

Garage, 1830 Spruce street, \$1,000. Dr. George B. Nood (O), 129 South Eighteenth street. LeRoy K. Smith (C), 4007 Chester avenue.

Store and Dwelling, 416 South Fourth st., \$750. Herman Feld (O), on premises. A. Krause (C), 950 Jackson street.

Shop, Thirtieth and Walnut streets, \$500. Wm. Gordon Corp. (O), on premises. Warren Moore Co. (C), Colonial Trust Building.

Store and Storage, 3148 Richmond street, \$1,200. Jacob Bacansky (O), 3149 Richmond street. B. Barutatibus (C), 2629 East Somerset street.

Dwelling alterations to Apartments, 1821 West Venango street, \$1,650. Frank D. Williams (O and C), 5125 North Broad street.

Garage, 1725 Kater street, \$500. James I. Brunson (O), 1724 South street. Ransom & Barton (C), 1211 Race street.

Bakery, 2043 Rittenhouse street, \$700. Jesse Linton (O), on premises. Ransom & Barton Co. (C), 1211 Race street.

Factory, north side of Colona street, west of Tenth street, \$50,000. A. Colburn Co. (O), on premises. F. L. Hoover & Son (C), 1023 CCherry street.

Factory, Tenth and Colona streets, \$26,000. A. Colburn Co. (O), on premises. E. L. Hoover & Sons (C), 1023 Cherry street.

Portland Cement, Sand or Gravel by carload. Consult DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Face, Etc.).

O. W. Ketcham.....Builders' Exchange, Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.  
Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.  
Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.  
Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.  
General Fireproofing Co.....832 Arch st., Phila.  
Henry S. Harris.....Land Title Bldg., Phila.  
Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truscon Steel Co.....Commonwealth Bldg., Phila.

## Floor Plates.

Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.  
Morris Wheeler & Co.30th and Locust sts., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.  
Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Insurance.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.  
Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.  
Harris J. Latta.....Penna. Bldg., Phila.  
Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Iron and Steel Bars and Plates.

Morris Wheeler & Co.30th and Locust sts., Phila.

## Levels.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Light Iron Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lumber.

Wm. Lloyd Co.....29th and Ridge ave., Phila.  
James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.  
Italian Marble Mosaic Co...433 Spruce st., Phila.  
Roman Mosaic and Tile Co.435 Green st., Phila.

## Metal Lath.

Audubon Wire Cloth Co., Inc.....Audubon, N. J.  
Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.

General Fireproofing Co.....832 Arch st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truscon Steel Co.....Commonwealth Bldg., Phila.

## Metal Lath Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Metal Tiles and Shingles.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Meters.

Philadelphia Meter Co.,  
Real Estate Trust Bldg., Phila.

## Mill Supplies.

The Fairbanks Co.....7th and Arch sts., Phila.

## Paints and Varnishes.

The Barrett Company,  
New York and Philadelphia.  
Felton, Sibley & Co.....136 N. 4th st., Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

## Pipe Fittings and Valves.

The Fairbanks Co.....7th and Arch sts., Phila.

## Plumbing Fixtures.

Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Preservatives (Wood and Concrete).

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## Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co.1332 Arch st., Phila.

## Refrigerators.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.

## Reinforcing Bars.

Morris Wheeler & Co.30th and Locust sts., Phila.  
Truscon Steel Co.....Commonwealth Bldg., Phila.

## Roofing.

The Barrett Co.....New York City and Phila.

## Roofing Tile.

O. W. Ketcham.....Builders' Exchange, Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Roofing Tin.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Roofing Slate.

William Moore Co.....1506 Sansom st., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

## Screens.

Thos. J. Malia.....141 Wentz st., Phila.

## Slate.

William Moore Co.....1506 Sansom st., Phila.

## Soundings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Structural Slate.

William Moore Co.....1506 Sansom st., Phila.

## Structural Steel.

Morris Wheeler & Co.30th and Locust sts., Phila.

## Surety Bonds.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.

Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Tile and Terrazzo Work.

Belfi Bros. & Co.....1923 Market st., Phila.

French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

Italian Marble Mosaic Co...433 Spruce st., Phila.  
Roman Mosaic and Tile Co...435 Green st., Phila.

William Moore Co.....1506 Sansom st., Phila.

## Tiling.

William Moore Co.....1506 Sansom st., Phila.

## Transits.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Ventilators.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Wall Board.

## Ceil Board.

James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Water Paint.

Wm. B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Waterproofing.

The Barrett Co.....New York City and Phila.

## Water Supply.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Weather Strip (Metal).

American Metal Weather Strip,  
2118 Diamond st., Phila.

Thos. J. Malia.....141 Wentz st., Phila.

## Wire Work.

Audubon Wire Cloth Co., Inc.....Audubon, N. J.



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# Insurance Company of NORTH AMERICA PHILADELPHIA

## ASSETS

Bonds and Stocks..... \$24,280,745.19  
Cash in Banks..... 2,395,335.33  
Premiums in course of transmission.. 3,203,681.96  
All other Assets..... 921,650.92

Total ..... \$30,801,413.40

## LIABILITIES

Capital ..... \$ 4,000,000.00  
Reserve for Reinsurance..... 12,217,808.92  
Reserve for Unpaid Losses..... 4,594,236.33  
Reserve for Taxes..... 1,030,000.00  
Surplus ..... 8,922,516.93  
All other Liabilities..... 36,851.22

Total Liabilities ..... \$30,801,413.40

Surplus to Policyholders..... \$ 12,922,516.93  
Losses paid since organization 203,147,689.78

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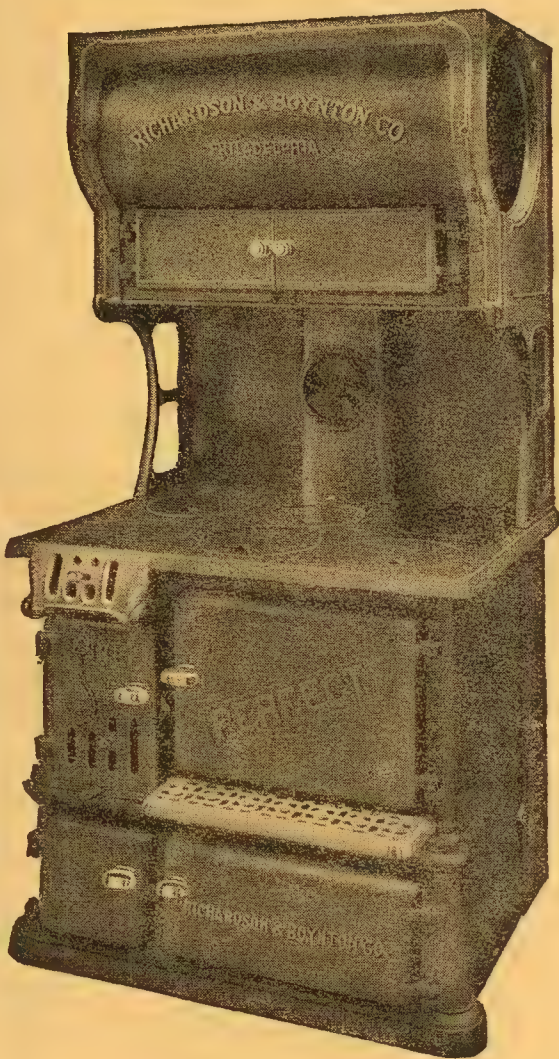
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND CLASS MATTER

Vol. XXXIV., No. 17  
April 23, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

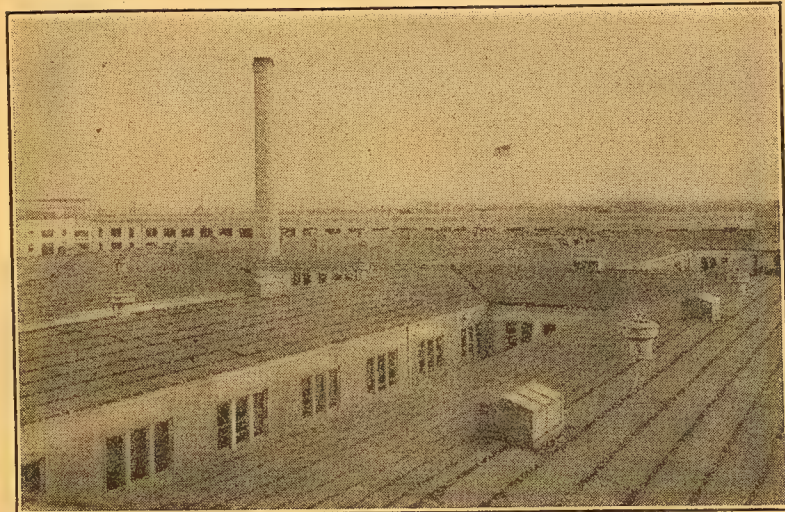
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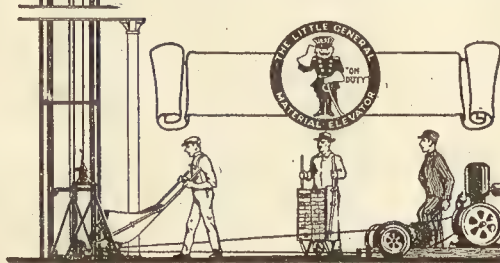
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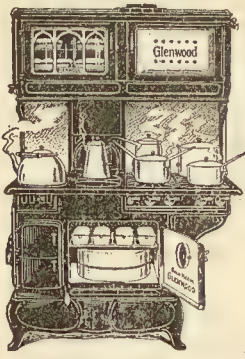
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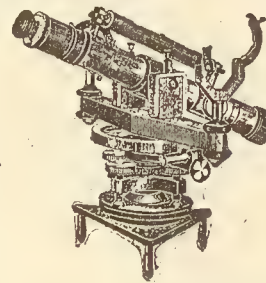
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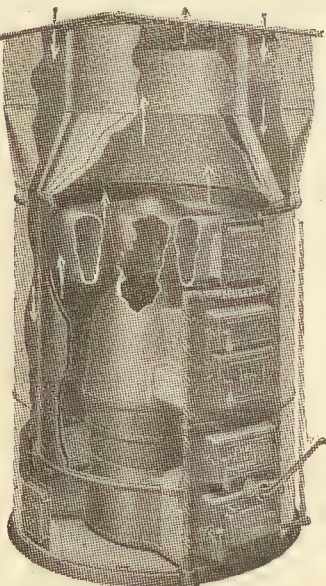
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 17

PHILADELPHIA

April 23, 1919

## BUILDERS' GUIDE

OFFICES, PERRY BUILDING (Suite 824-825-826)  
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## As The Editor Sees It



INVESTIGATIONS carried on by the U. S. Department of Labor throughout the country have shown that there is more than \$2,000,000,000 worth of building and construction work which was held up on account of the war. If this work was resumed at once it would be a most important factor in increasing production in the hundreds of industries correlated with building and construction work and, in giving a most determined acceleration to production, would eventually mean better business and labor condition for the United States.

Contracts let in March show conclusively that building and construction works are getting under way despite the talk of high prices. With the March record—it is better than the March record in any year since 1911, excepting 1917, when Government construction made the record abnormal—in mind, the results of a study of building and construction conditions take on new significance. This study is based on 6,446 building and construction projects known to be contemplated at the signing of the armistice. The construction costs involved are \$1,892,275,000, and it is a safe conclusion that 50 per cent. of these projects, involving more than half the total construction costs, are yet to be started.

With March showing a remarkable increase over January and February in contracts let, and with approximately a billion dollars' worth of projects known to be contemplated, there appears to be

justification for the prediction that 1919 will prove one of the greatest in American history for building and construction work.

The war brought building and construction work, except for Government and war purposes, to a standstill. To develop the attitude of investors and builders on these deferred projects, a questionnaire was sent to 6,446, of which 2,882 were public projects. Of these public projects 78 were Federal undertakings, 279 State, 593 county, and 1,932 municipal. The average date—if it may be referred to as such—for these questionnaires is February 1, and they are, therefore, recent enough to clearly indicate the situation in the districts from which they were drawn. To speak in general terms, high prices of materials, wage scales, and difficulty in financing are the chief obstacles to building as indicated by the tabulation of the questionnaire information which has just been completed in the Department of Labor. It is not represented that these questionnaires cover all the deferred building in the country; rather the effort was only to study enough deferred projects to establish clearly and definitely the trend in the industry and the sectional conditions.

From Ohio 805 projects are reported; of these only 291 state that materials are high, while 36 specifically state materials are not high. Again, 42 show a shortage of material, while 163 specifically state there is no shortage of mate-

rials. The comparison of these conflicting statements suggests the prevailing conditions, and also indicates the sectional or local deviations from the general situation. Material shortages, for example, must be held to be determined by artificial and local conditions, rather than by a general and widespread rule.

The questionnaires asked for information on the nature of the project, its estimated value, whether there was a shortage of material and labor, if the prices of materials were high, also wages, and asked a detailed statement as to what materials were short and high in price, when the project was expected to start, whether any loan difficulty was experienced, if the interest rate demanded was high, if bids had been taken, and what percentage the bids were in excess of the estimated cost or previous bids.

The largest number of answers given to these specific questions appear in the high-of-cost-of-material column; next comes high wages, and then shortage of labor. The figures are 1,781 reporting high cost of materials, 1,330 report wages high, and 482 indicate labor shortage. Against the 1,781 reports of high cost of materials only 170 specifically state that the cost of materials is not high. Against the 1,330 reports of high wages only 301 state that wages are not high. On the other hand, 657 state there is no shortage of labor against the 482 reporting a shortage in the labor supply. Again, against 270 reporting a shortage of materials 834 say there is no lack

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of materials, although the prices are high, and many of those who had not decided to proceed with their construction work stated that they were holding off for a while, to see whether there was to be a drop in prices or if the higher level of prices was to remain.

Commenting on the situation, several stated that the last year of stagnation in the building industry due to the war only served to further stimulate the demand for all classes of buildings, which would tend to keep prices high, and they expected to resume operations to meet the increasing demand.

Those who went into detail on the high cost of materials gave brick as the principal item that was high. The number thus reporting was 359; next comes cement, 328 reporting this material high, 310 reported high prices for lumber; 242 said steel was high; and 138 indicated high cost of plumbing supplies. It should be borne in mind that most of these projects do not require steel in construction. This probably accounts for the comparatively few reports on the high prices for that material.

There were 155 reporting the cost of construction 20 per cent. excessive, 154 said 30 per cent., 73 said 40, 91 put it at 50, 23 said 60, 17 said 70, 16 said 80, 9 said 90, 37 as high as 100, and 14 over 100, making the average excess in cost of construction approximately 55 per cent.

The State of Ohio reported the largest number of projects, while Illinois leads in aggregate valuation of private and public construction work. Next to Ohio in number of projects comes New York, but New York stands third in the valuation column, Ohio holding first place in number of projects and second place for valuation. Following are the comparative figures for the four leading states:

| State.           | Number<br>of<br>Projects. | Valuation.    |
|------------------|---------------------------|---------------|
| Ohio .....       | 805                       | \$171,335,000 |
| New York .....   | 673                       | 164,465,000   |
| Pennsylvania ... | 662                       | 127,345,000   |
| Illinois .....   | 365                       | 175,045,000   |
| Total .....      | 2,505                     | \$638,190,000 |

Although Illinois leads in valuation, that State is a low fourth in number of projects, and Pennsylvania, which gets into third place in number of construction enterprises, drops down to fourth place in valuation.

In Ohio 291 report materials high in price to 36 stating that materials are not high. There are 42 reporting material shortage in Ohio to 163 who say there is no shortage in their localities. In answer to the question if there is a shortage of labor, 51 say "Yes" to 124 "No," and 71 report loan difficulty to 133 who state

specifically that they are having no difficulty in obtaining loans. Some of those who are interrupted in the matter of financing their operations say that the banks are adverse to loaning on the basis of present valuation, 80 reporting excessive cost of construction ranging from 20 to over 100 per cent., the average being 42 per cent.

In Pennsylvania 276 report high cost of materials to 22 negative replies, 57 indicate material shortage to 102 who say there is no dearth in the supply, 40 report loan difficulty to 144 specifically stating there is no loan difficulty, and 80 indicate a shortage of labor to 43 who make negative replies. The number who saw wages are high in Pennsylvania is 216 to 26 who state that wages are not excessive. Of 95 who made statements as to excessive cost of construction, 17 said 20 per cent., 27 said 30, 9 put it at 40 per cent., 22 said 50 per cent., 5 said 60, 2 said 70, 2 said 80, 2 said 90, 7 said 100, and 2 figure the excessive cost at over 100, making the average for Pennsylvania approximately 42 per cent.

In New York the "materials high" figure is 224 to only 15 who say "No" to this question. Only 4 indicate material shortage to 101 who say there is no shortage. Sixty-five report loan difficulty to 130 who specifically state that they are having no such difficulty, 52 report a shortage of labor to 91 no shortage, and 159 say that wages are high to 39 who say the opposite. Eighty-five report the cost of construction excessive, ranging from 20 to over 100 per cent., the average being nearly 42½ per cent. for the entire State of New York.

The Illinois figures are 114 reporting materials high to 3 not high, 11 reporting material shortage to 43 not short, 13 indicate loan difficulty to 17 no loan difficulty, 10 indicate shortage of labor to 50 no shortage, and 74 wages high to 24 not high. Thirty-eight report excessive cost of construction, ranging from 20 to 70 per cent., the average being a little over 35 per cent., which figure is the lowest for excessive cost of construction of any of the four leading States.

The principal shortage of labor appears to be in the Southern States and some of the Western States, but this shortage may not exist at the present time, as the ranks of labor are constantly being filled by returning soldiers. From Louisiana 31 report labor shortage and only 13 say there is no scarcity of labor. From Kentucky the figures are 9 yes to 7 no, Alabama gives 11 yes to 3 no, South Carolina 10 yes to 2 no, Mississippi 6 yes to 2 no, and Maryland 4 yes to 3 no. Virginia sends 21 reports,

stating that labor is short, and only 4 stating there is no shortage. The figures for West Virginia are 12 yes to 7 no.

With reservation for exceptions growing out of local conditions, the questionnaires indicate a tendency to labor surplus in the districts to which labor was drawn by war industry: Middle Atlantic States, the manufacturing district of New England and the northern portion of the Middle West. The tendency to labor shortage is in the districts from which labor was drawn for war industry: The South, West, and Northwest, excepting the Pacific Coast States.

The following tabulation gives the total number of projects by States:

| State.                        | Number<br>of<br>Projects. | Valuation.   |
|-------------------------------|---------------------------|--------------|
| Alabama .....                 | 54                        | \$67,110,000 |
| Alaska .....                  | 4                         | 1,100,000    |
| Arizona .....                 | 34                        | 9,580,000    |
| Arkansas .....                | 78                        | 12,225,000   |
| California .....              | 144                       | 110,000,000  |
| Colorado .....                | 69                        | 23,415,000   |
| Connecticut .....             | 110                       | 23,390,000   |
| Delaware .....                | 14                        | 6,565,000    |
| District of<br>Columbia ..... | 22                        | 6,470,000    |
| Florida .....                 | 14                        | 1,140,000    |
| Georgia .....                 | 24                        | 10,675,000   |
| Idaho .....                   | 39                        | 8,645,000    |
| Illinois .....                | 365                       | 175,045,000  |
| Indiana .....                 | 179                       | 21,300,000   |
| Iowa .....                    | 218                       | 26,390,000   |
| Kansas .....                  | 130                       | 34,295,000   |
| Kentucky .....                | 92                        | 13,155,000   |
| Louisiana .....               | 100                       | 38,030,000   |
| Maine .....                   | 49                        | 4,775,000    |
| Maryland .....                | 58                        | 14,615,000   |
| Massachusetts ..              | 227                       | 44,390,000   |
| Michigan .....                | 230                       | 131,285,000  |
| Minnesota .....               | 150                       | 36,710,000   |
| Mississippi .....             | 39                        | 11,500,000   |
| Missouri .....                | 231                       | 126,185,000  |
| Montana .....                 | 63                        | 5,830,000    |
| Nebraska .....                | 85                        | 16,710,000   |
| Nevada .....                  | 3                         | 1,860,000    |
| New Hampshire ..              | 20                        | 2,165,000    |
| New Jersey .....              | 328                       | 62,995,000   |
| New Mexico ...                | 26                        | 4,000,000    |
| New York .....                | 673                       | 164,465,000  |
| North Carolina ..             | 31                        | 4,180,000    |
| North Dakota ...              | 38                        | 5,040,000    |
| Ohio .....                    | 805                       | 171,335,000  |
| Oklahoma .....                | 77                        | 9,275,000    |
| Oregon .....                  | 34                        | 6,875,000    |
| Pennsylvania ...              | 662                       | 127,345,000  |
| Rhode Island ...              | 12                        | 14,830,000   |
| South Carolina ..             | 46                        | 28,250,000   |
| South Dakota ...              | 65                        | 5,225,000    |
| Tennessee .....               | 52                        | 6,720,000    |
| Texas .....                   | 89                        | 23,290,000   |
| Utah .....                    | 78                        | 19,275,000   |
| Vermont .....                 | 15                        | 1,350,000    |
| Virginia .....                | 97                        | 34,530,000   |
| Virginia .....                | 97                        | 34,530,000   |
| Washington .....              | 105                       | 46,615,000   |



|                   |     |            |
|-------------------|-----|------------|
| West-Virginia ..  | 92  | 16,355,000 |
| Wisconsin .....   | 224 | 32,090,000 |
| Wyoming .....     | 17  | 3,355,000  |
| Miscellaneous ... | 35  | 5,445,000  |

Total ..... 6,446 \$1,892,275,000

\* \* \*

A CONVENTION of the building trades will be held in Cleveland, Ohio, May 7 and 8, when the building trades situation will be discussed, with the view of devising ways and means of resuming building work as speedily as possible.

\* \* \*

At a stated meeting the Master Builders' Exchange of Philadelphia held last week, consideration was given to the bill, now before the Pennsylvania Legislature, to register and license architects in Pennsylvania before permitting them to practice. Mr. John Hall Rankin, ex-President of the Philadelphia Chapter of the American Institute of Architects, read the provisions of the bill, which was printed in full in our issue of April 2, 1919, and explained the purposes of the contemplated law.

Some of the contractors were at first reluctant about indorsing the proposed law, fearing that the young man who had not been a college man might receive unfavorable and prejudiced consideration. Others were fearful lest persons not qualified architects should be prevented from preparing plans and specifications. Further objection was made to the law because there was no provision for appeal from the decisions of the Board of Architects appointed under the law by the Governor of the State to enforce its provisions. Mr. Rankin made clear, as the articles of the bill plainly state, that the purpose of the bill is primarily to compel the designer of buildings to label his drawings — "contractor," "builder," "architect," or whatever he designates himself—but under the law only those passing the examinations, and fulfilling the qualifications, of the Board of Architects shall be registered and licensed, and permitted to sign "R. A., Registered Architect, after their names. Under the proposed law anyone can draw plans as heretofore, but can not style himself architect in the sense of Registered Architect. As three of the five men on the Board are a majority sufficient to grant a license, there is only a most remote possibility of any prejudice arising against an applicant for the title.

Mr. Rankin explained that a board of appeal would necessarily mean an endless chain of appeals. The members of the Exchange finally approved the passage of the bill, admitting that carelessness in preparing plans and detailed drawings would be overcome and the

building trades would benefit by more exacting requirements in permitting persons to style themselves architects.

The proposed Compensation Bill now before the State Legislature was also discussed at length at this meeting of the Builders' Exchange. It was shown clearly that the rate for compensation insurance under the proposed law would be increased 60%. The members of the Exchange expressed opposition to the bill because any additional expense added to the present high cost of building would tend to retard construction work. A resolution voicing protest was therefore suggested and approved, such protest to be forwarded to the legislative bodies at Harrisburg.

NOW that the war is over an opportunity is afforded for an analysis of industrial and commercial developments which will prove important and valuable factors during the reconstruction period. One of the interesting results of war conditions in their effect on industries and communities in this country has been the increased popular interest in the subject of housing industrial workers. The high cost of building materials and of labor has also created a general interest in the question of economical design and construction of small houses, and through a study of the activities of some of the government agencies which were provided for the purpose of relieving congested housing conditions, many communities and manufacturers may gain valuable knowledge for application to problems of this nature which they are now facing.

Very soon after the placing of large contracts for war material in various sections of the country, a centralization of labor took place at such points as Bridgeport, Erie, Northern New Jersey and similar industrial centers. The demand for houses became more and more insistent; rents increased rapidly and soon it became practically impossible for the workingman to find accommodations for himself and his family. Naturally, labor turnover in various war material plants was greatly increased by this condition, as the workingman who had been newly hired soon discovered that they could not bring their families to live in the same town and that living apart was both inconvenient and expensive. Complaints soon began to reach Washington regarding this condition and various other questions bearing on labor soon evidenced the need of special organizations to handle labor questions. Roughly classifying the manufacturing needs of the government for war material, such needs emanated from the army, navy and Shipping Board.

One of the first of the government activities to feel the distinct need of establishing a branch through which all questions pertaining to labor could be administered, was the army Ordnance Department. This department had been placing extensive contracts for munitions and artillery. Many of these contracts called for the erection of new plants or plant additions, as well as the establishment of vast systems of powder and loading plants in isolated communities.

In order to meet this need a branch of the Army Ordnance Department, known as the Industrial Service Section, was created under the direction of Dean Herman Schneider, of the University of Cincinnati, and well known as an economist and labor expert.

Immediately upon realization of the importance of housing for workmen as a factor in the industrial problems of the Army Ordnance Department, Dr. Schneider sought the advice of an industrial housing expert and found upon investigation that Perry R. MacNeille, of the firm of Mann & MacNeille, Architects and Construction Engineers of New York City, was then in Washington in charge of the Architectural and Structural Section of the General Engineer Depot. Here the design and material purchasing for buildings and bridges for the expeditionary forces under General Pershing were being carried out.

The housing problems of the Ordnance Department of the Army were in brief as follows:

1. At important manufacturing centers where the placing of great contracts for rifles, artillery, munitions and other ordnance equipment had caused a sudden tremendous increase and centralization of workmen. In various existing plants the capacity of which was being rapidly increased through necessary expansion the question of finding homes for workmen had become acute. At such points all available dwelling places for workmen and their families were soon absorbed, rents rose alarmingly and the lack of housing was felt in a greatly increased labor turnover with its resultant decrease in production efficiency.

2. In "one-industry" towns which had grown up around large existing plants. At these points the placing of large orders and rapid increase in the number of workers brought about a housing famine which must be met if production was to be brought up to requirements for war purposes.

3. At isolated points where, because of their dangerous character, the vast system of powder, loading, testing and munition storage plants were forced to locate. At these points no housing was available and in building the plants great



villages for the workers were being planned and constructed.

4. The new special problem of the housing of women workers was making itself felt and demanding attention as part of their industrial welfare.

Early in January, 1918, Mr. MacNeille was officially appointed in charge of the Housing Branch which, as part of the organization of the Industrial Service Section under Dean Schneider, immediately entered upon the task of determining housing needs and making provisions to meet them.

The work of the Housing Branch was purely that of investigation and execution. All matters of town-planning, architectural design, engineering and other technical activities were carried out in the office of Mann & MacNeille under the direction of the Housing Branch and subject to the approval of the military authorities in charge of ordnance requirements and production. Horace B. Mann was at this time appointed as designing architect for the Housing Branch.

The first activity in connection with each housing problem was naturally that of investigation. C. Stanley Taylor, who was transferred from the Engineer Depot as Mr. MacNeille's assistant, and who was qualified by several years of similar investigation experience, was placed in charge of this activity. Valuable service in this connection was rendered by Captain Rex Humphrey, a realty expert of Detroit, Michigan, and C. W. Short, an architect with English experience.

To study the special problem of the housing of women, Miss Adelaide A. Richardson, particularly qualified by long experience in the welfare of women industrial workers, was appointed under Mr. MacNeille.

Communities which are now facing a housing problem and manufacturers whose plants are in localities where a housing shortage affects labor turnover, will be interested in the methods by which the Housing Branch eliminated as far as possible the expenditure of money in meeting such housing shortage.

In each case the report of a housing shortage which was seriously handicapping production was received by the Housing Branch through military channels. Immediately, before any local action was taken, an investigation of the importance to the war program of the particular product manufactured at this point was made. For example, if a housing shortage was reported in a certain locality where field howitzers were being manufactured steps were immediately taken to learn the approximate immediate requirements of field howitzers. Against this total was checked the production at other points in the country. If it was found that even with the plant in

question crippled by a housing shortage, sufficient production was being carried out at other points to meet the immediate war program requirements of field howitzers, no attempt was made to provide relief for such housing shortage. If, however, it was found that there was in total insufficient production to meet the immediate requirements, steps were at once taken to provide housing facilities in order to expedite production at the point in question.

In this case the first step was that of local investigation and the duties of the investigator were varied and complex. Upon reaching the town in question an analysis was made of the number of industrial workers on war work. Next the amount of available housing was determined, and in this manner the net housing need was fixed. The result often showed a need for houses for married workers of certain grades depending on their average earnings, or housing for unmarried workers. In many cases restaurant and recreational facilities formed an additional need.

Having determined and classified the exact need, the next step was an attempt to meet the need locally, thus saving expenditure by the government. This was done in at least three ways.

1. By determining possibilities for transportation improvements which would make available existing housing heretofore unused to meet the particular need in question. Following this line of action and under the direction of a transportation expert cars were re-routed on trolley lines; special workmen's trains were placed on railroads reaching nearby communities where housing facilities were available; ferry boats and steamers were placed in operation, omnibus lines were installed and in every possible manner the actual building of new houses was avoided.

2. To make transportation conditions better; hours of employment at munition factories and arsenals were staggered on the request of the Housing Branch for the purpose of relieving congestion.

3. In some cases local organizations were induced to finance and build the necessary housing as a valuable economic addition to the community. In such case assistance was given by the Housing Branch on the question of design, engineering, construction and the issuance of priority orders for building material.

Having reported every possible manner in which actual requirements for government expenditure could be cut down, the investigator outlined the net housing needs of the community to the head of his department. The matter was then immediately taken up by Mr. MacNeille in two of its aspects—first to arrange for the financing of the projects (which in

some cases was done by adding to the contract cost of the material being produced locally); second, to direct the preparation of architectural and engineering drawings and data. Finally the finished town plan, architectural designs (up to the point of working drawings) and outline specifications were turned over to the Construction Division of the Ordnance Department, to the Construction Division of the United States Army, to the manufacturer as agent of the government, or to whatever branch of government activity had jurisdiction over the necessary construction. From this point the activities of the Housing Branch on this project were confined to construction supervision and general inspection, while its advisory service was kept open to the builder at all times.

A second activity of the Housing Branch was that of supervising large housing projects which were being carried on under the direction of local or plant architects at the time of the inception of the Housing Branch. Thus much of the work being done at powder and bag-loading plants came under the general supervision of the Housing Branch, but in practically all these cases it was found that the work was being well carried on and expedited so that interference and delay was unnecessary. At all times it was the policy of the Housing Branch to avoid interference and delay in existing projects, realizing that a certain amount of war waste was unavoidable and even contributory to the speeding up of enforced production which has proven such an important factor in the winning of the war.

In working out town plans and designs for houses, it was necessary to develop to its highest point economy in construction, but an attempt was made at the same time to create designs of a sufficiently artistic nature to make for attractive communities and living places for the war workers. Some of the houses and buildings may well serve as examples for those who contemplate designing similar houses or homes of an inexpensive character, while the town plans show many phases of interest to the realty developer or expanding communities.

The activities of the Housing Branch covered a period of approximately seven months from its inception on about December 15, 1917, to July 15, 1918, at which time by Act of Congress the housing activities of the Army and Navy were centralized under the Labor Department Housing Bureau.—*Realty*.

The Philadelphia Chapter of the American Institute of Architects has elected the following to attend the fifty-

(Continued on Page 236.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Residences (42)**, both sides of Osage avenue, between Sixty-second and Sixty-third streets. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Herman Beckershoff, 6212 Spruce street, Philadelphia. Brick, 2 stories, 16x46 feet, slag roof, stone foundations, hot water heating, combination lighting, tile and marble work, oak floors. Owner will be ready for sub-bids in two weeks.

**Residences (20)**, Marlyn Road, north of Diamond street. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, John J. Marshall, 1115 Marlyn Road. Stone and brick (10 English type, garages in basement, 10 Spanish type), stone foundations, slate or tile, tin and slag roofs, oak floors, hot water heating, combination lighting, tile and marble work. Owner ready for sub-bids.

**Residences (8)**, Sixty-ninth avenue and Broad street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Russell H. Foster, 1430 Sixty-eighth avenue, Philadelphia. Stone, 2 stories, 16½x66 feet, slag roof, stone foundations, hot water heating, electric and gas lighting, tile and marble work, oak floors. Owner ready for sub-bids.

**Residence**, Drexel Hill, Pa., \$12,000. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner's name withheld. Stone, 2½ stories, 40x40 feet, slate roof, oak floors, hot water heating, combination lighting, tile and marble work. Preliminary sketches in progress.

**Apartment House**, Overbrook, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner's name withheld. Brick, 3 stories, irregular size, slate and slag roof, oak and pine floors, stone foundations, hot water heating, combination lighting. Preliminary sketches being drawn.

**Residences (2) (alts. and add.)**, Broad and Oxford streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner's name withheld. New front, brick and stucco, interior alterations, oak floors. Plans in progress.

**Dwellings and Garage**, west side of Ninth street, south of Sixty-sixth avenue, \$59,000. Architect, private plans. Owner, Albert McBain, 6547 North Thirteenth street, Philadelphia. Brick, 2 stories, 16x46 feet, and 1 story, 10x16 feet, slag roof, hot water heating, electric lighting. Owner will build.

**Store and Dwelling (alts.)**, 2336 Ridge avenue, Philadelphia. Architect, private plans. Owner, J. Podd, 2336 Ridge avenue, Philadelphia. Brick, entire new front. E. C. Durell, 1713 North Twenty-fourth street, is taking sub-bids.

**Residences (6)**, 940-42-43-45-47-49 Berbert street, \$33,000. Architect, private plans. Owner, J. D. Fotheringham, 1000 Arrott street, Philadelphia. Brick, 2 stories, 16½x43 feet, slag roof. Owner will build.

**Garage**, 4677-89 Asylum Pike, Pa., \$2,800.

Architect, private plans. Owner, J. D. Fotheringham, 1000 Arrott street, Philadelphia. Brick, 1 story, 20x140 feet, slag roof. Owner will build.

**Warehouse**, 943-51 North Second street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, United Wholesale Grocery Co., on premises. Reinforced concrete, steel and brick, 3 stories, 80x200 feet, slag roof, steam heat, electric light, yellow pine floors, metal lath, 1 elevator, rolled steel sash and skylights, roof ventilators. Architect taking bids, due April 25th.

**Coal Pockets and Trestle**, Trenton avenue and Westmoreland street. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Owen Letterer's Sons, on premises. Concrete and timber, 256 feet long and 16x16 feet, slag roof, concrete foundations, iron floor and work. Architect taking bids, due April 23rd, 2 P. M. H. E. Baton, 1713 Sansom street; Wark & Co., 1737 Filbert street; Brown-King Const. Co., Commercial Trust Building; Robbins Cont. Co., Lafayette Building; Henry C. Dahl, 231 South Eighth street; Barelay White Co., 1713 Sansom street, are figuring.

**Store (alts.)**, 142 South Fifteenth street, Philadelphia. Architect, Paul J. Henon, Jr., 10 South Eighteenth street, Philadelphia. Owner, Cheri, Inc., care of J. G. Patton, Fifteenth and Chestnut streets. Electric work, marble work, leaded glass, woodoleum flooring, cabinet work, plastering, painting, hardware. Architect taking bid from Lam Building Co., 1001 Wood street, due as soon as possible.

**Moving Picture Theatre**, 724 Market street, Philadelphia. Architect, Paul J. Henon, Jr., 10 South Eighteenth street, Philadelphia. Owner's name withheld. Brick and stone, 1 floor, 30x130 feet, tile and marble work, electric lighting, ventilating system, fire doors. Plans completed. Ready for bids in a few days.

**Garages (12)**, 7257-73 Limekiln Pike, \$7,200. Architect, private plans. Owner, James B. Eisele, 7265 Limekiln Pike, Philadelphia. Brick, 1 story, 12x20 feet, slag roof, cement floors. Owner will build.

**Dwellings (4)**, south side of Olney avenue, west of Front street, \$14,000. Architect, private plans. Owner, Michael H. Riegel, 1818 West Huntingdon street. Brick, 2 stories, 16x43 feet, slag roof, hot water heating, electric lighting. Owner will build.

**Residence**, Upsal street and Wissahickon avenue. Architect, L. V. Boyd, Harrison Building. Owner, John A. Seeds, on premises. Stone and brick, 2½ stories, 64x40 feet, slate or shingle roof, stone foundations, hot water heat, electric light, tile work, pine floors, iron work. Architect has received bids.

**Bank Building (remodeling and add.)**, 4356 Frankford avenue. Architects, Stearns & Woodnutt, Stephen Girard Building, Philadelphia. Owners, Second National Bank of Phil-

adelphia, at Frankford, Franklin Smedley, president, on premises. General remodeling of present building and addition. Plans in progress. Will take bids in one month.

**Greenhouse and Garage**, Wissahickon avenue and Hortter street. Architects, Rankin, Kellogg & Crane, 1012 Walnut street, Philadelphia. Owner, John Bromley, Germantown. Brick, 1 story, 14x20 feet and 28x23 feet, slate roof, cement work, stone foundations, hot water heating, electric lighting. Architects taking bids, due April 24th. H. E. Baton, 1713 Sansom street, and H. H. Burrell, 206 South Quince street, are figuring.

**Garage**, Seventh and Bristol streets, Philadelphia. Architect, private plans. Owner, A. Goetz, on premises. Brick, 1 story, 90x36 feet, slag roof, cement floors, stone foundations. H. H. Wehmeyer, 509 West Cumberland street, is figuring.

**Residences (9)**, Fifty-seventh and Sansom streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Mr. Schlosberg, 1217 Market street, Philadelphia. Stone, 2 stories, 15x40 feet, slag roof, stone foundations, hot water heating, combination lighting, pine floors. Owner will be ready for sub-bids April 23rd.

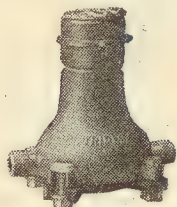
**Stores and Dwellings (3)**, South Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner's name withheld. Brick, terra cotta trim, 2 stories, 16x49 feet, slag roof, oak and yellow pine floors, stone foundations, hot water heating, combination lighting, tile and marble work, galvanized iron work, metal ceilings. Plans in progress.

**Garage**, 2830-32-34 West Nicholas street. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner's name withheld. Brick, 1 story, 55x52 feet, terra cotta trim, stone foundations, slag roof, steam heating, electric lighting, cement and pine floors, hollow metal skylights, flush bulks, iron work. Ready for bids in two weeks.

**Garage**, 4819 Woodland avenue, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner's name withheld. Brick, 1 story, 37x44 feet, slag roof, stone foundations, cement floors, steam heating, electric lighting. Ready for bids in a week.

**Store and Dwelling (alts. and add.)**, 1436 South Fifty-second street, Philadelphia. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner's name withheld. Interior alterations, slag roof, yellow pine floors, combination lighting, tile and marble work, flush bulk, metal ceilings. Architect ready for bids.

**Residence**, York Road and Bristol street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, A. D. Robinson, care of W. O. Mahon, 6718 North Broad street, Philadelphia. Stone and brick and stucco, 3 stories, 30x36 feet, slate and slag roof, stone foundations, hot water heat-



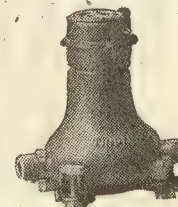
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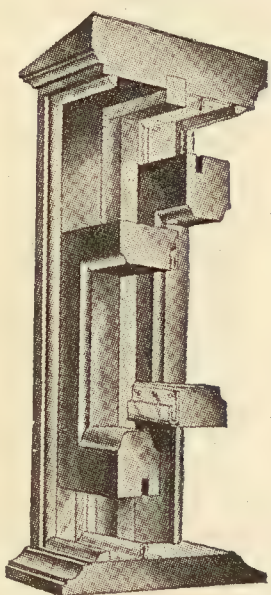
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ing, combination lighting, tile and marble work, oak floors, Builder, W. O. Mahon, will be ready for sub-bids in a few days.

**Residences (10)**, York Road and Hunting Park avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, W. O. Mahon, 6718 North Broad street, Philadelphia. Stone, 2 stories, 16x44 feet, slate, slag and tin roof, stone foundations, hot water heating, combination lighting, tile and marble work, oak floors. Owner ready for sub-bids.

**Convenience Station**, Juniata Park, "K" and Cayuga streets. Architect, Joseph A. Roletter, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Property, City Hall. Brick foundations, hollow tile and stucco, 2 stories, 52x17 feet, slate roof (louvres), tile floors and walls, electric lighting, hot water heat, artesian well, mill work, cement work, plumbing (lighting, plumbing and heating separate bids). Owners taking bids, due April 29th at noon.

**Caretakers' Lodge House**, Bartram Gardens, Fifty-second and Botanic avenue. Architect, Joseph A. Roletter, City Hall. Owners, Bureau of City Property, 216 City Hall, Philadelphia. Brick and stone, 2 stories, 28x26½ feet, slate roof, hollow tile (heating, hot air). Owners taking bids, due April 29th.

**Dwellings (22)**, B, Ruscomb and Ormes streets, Philadelphia, \$78,500. Architect, private plans. Owner, Jacob Korman, 3418 Kensington avenue, Philadelphia. Brick, 2 stories, 16x47 feet, 16x27 feet, 10x13 feet, slag roof, hot water heating, electric lighting, oak and pine floors. Owner will build.

**Garage**, Queen Lane Manor, Philadelphia. Architect, Samuel D. Hawley, 34 South Seventeenth street, Philadelphia. Owner's name withheld. Stone, 1 story, 20x20 feet, stone foundations, electric lighting, cement floor. Preliminary plans in progress.

**Moving Picture Theatre**, 724 Market street, Philadelphia. Architect, Paul J. Henon, Jr., 10 South Eighteenth street, Philadelphia. Owners, Company, care of A. R. Boyd, 1214 Market street, Philadelphia. Brick and stone, first floor, 30x130 feet, tile and marble work (heating, plumbing, ventilation, lighting, clock, hardware, painting, glazing, decorating and lighting fixtures reserved). Architect taking bids, due April 24th. Lam Building Co., 1001 Wood street; Conneen Const. Co., 1737

Filbert street; Smith-Hardican Co., 1606 Cherry street; Hogg Const. Co., Denekla Building; D. J. McNamee, 1621 North Fifteenth street, are figuring.

**Apartment Hotel and Garage (25 Cars) and Bungalows (2)**, City Line and Lancaster avenue, Overbrook, \$300,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Morris Estate, care of Morris Wood, Sixty-fourth and City Line, Overbrook. Brick, steel, stone and concrete. Details undecided. Plans in progress.

**Theatre, Apartment House, Dance Hall and Stores**, \$500,000, Broad and Allegheny avenue, Philadelphia. Architect not yet selected. Owner, Jos. C. Cohen, 1740 West Erie avenue, Philadelphia. Stone, steel, brick and terra cotta. Work contemplated.

**Garage**, 126-32 Race street, Philadelphia. Architect, J. M. Blew, 833 South Cecil street, Philadelphia. Owner, Harry J. Hogg, 429 Race street, Philadelphia. Stone, brick and steel, 1 story, 75x76 feet, slag roof, cement and pine floors, steam heat, electric lighting, metal lath, hollow metal skylights, ornamental iron work. Revised plans in progress.

**Residence (alts. and add.)**, Chestnut Hill, Philadelphia. Architect, R. Brognard Okie, Crozer Building, Philadelphia. Owner's name withheld. Stone, 2½ stories, 35x39 feet, wing 26x40 feet, shingle roof, stone foundations, hot air heating, electric lighting, North Carolina pine floors. Plans in progress.

**Garage**, 909-13 North Twenty-sixth street, Philadelphia. Architect, James F. Bailey, care of owner. Owner, Carl Korn, 2536 Girard avenue, Philadelphia. Brick, 1 story, 52x116 feet, slag roof, stone foundations, steam heat, electric light, hollow metal skylights, cement floors. Owner taking bids, due April 24th. J. Sims Wilson, 1125 Brown street, is figuring.

**Dwellings (30)**, Fifty-eighth, Northeast Corner Fifty-ninth and Warrington avenue, and Warrington avenue, from Fifty-eighth to Fifty-ninth, south side, \$106,400. Architect, private plans. Owner, John M. Gallagher, Fifty-fifth and Springfield avenue, Philadelphia. Brick, 2 stories, 15x34 feet, 12x11 feet, 15x45 feet, slag roof, electric lighting, hardwood floors, pine floors. Owner will build.

**Bungalow and Shop and Garage**, 6012-14 Hegerman street, \$2,800. Architect, private plans. Owner, Frank W. Zebly, 6022 Hegerman street, Philadelphia. Brick, 1 story,

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30x50 feet, and 1 story, 20x50 feet, slag roof, electric lighting, hardwood and cement floors. Owner will build.

**Residence (alts. and add.),** 1421 Erie avenue, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Dr. Henry Wise, 1640 Erie avenue, Philadelphia. General alterations, sound proof doors and partitions, hot water heating, electric lighting, plumbing, tile and marble work, parquet floors. Lam Building Co., 1001 Wood street, is taking sub-bids and will start work at once.

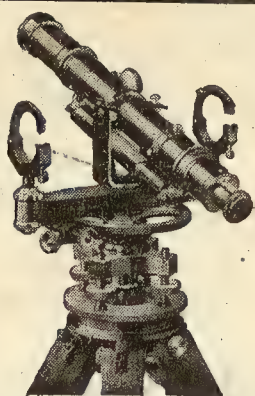
**Residence (alts. and add.),** 1820 Pine street, Philadelphia. Architects, De Armond, Ashmead and Bickley, Franklin Trust Building, Philadelphia. Owner, R. M. Stambaek, 1820 Pine street, Philadelphia. Brick, 3 stories, slag roof, oak floors, hot water heating, plumbing, tile work, painting, plastering, hardware, painting, glazing, fire escapes. Architects taking sub-bids.

**Residence and Store (alts. and add.),** 4076 Lancaster avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, A. Berman, on premises. Brick and terra cotta, 3 stories, 16x84 feet, general remodeling, electric wiring and fixtures, hot water heating, tile and marble work, flush bulks, hardwood floors. Architect taking bids due April 30th. Lam Building Co., 1001 Wood street, A. Sonnenfeld, 287 S. Sixty-third street, and James Holm, 5556 Arch street, Philadelphia.

**Moving Picture Theatre,** Germantown and Lehigh avenues, Philadelphia. Architect, H. Child Hodgins, Inc., 1312 Walnut street, Philadelphia. Owner, name withheld. Terra cotta, brick, steel and concrete, 1 story and balcony, 100x200 feet, composition roof, steam fan system heating, electric lighting, hollow tile, metal lath, terrazzo and marble work. Plans in progress.

**Moving Picture Theatre,** Frankford avenue and Oxford street, Philadelphia. Architect, H. Child Hodgins, Inc., 1312 Walnut street, Philadelphia. Owner, name withheld. Terra cotta, brick and concrete, 1 story and balcony, 72x189 feet, composition roof, steam and fan system of heating, hollow tile, metal lath. Plans in progress.

**Residences (7),** St. Martin's, Philadelphia. Architects, Duhring & Ziegler, Bailey Building, Philadelphia. Owner, Dr. Geo. Woodward, North American Building, Philadelphia. Hollow tile and stucco, 2½ stories, 38x40 feet, stone foundation, shingle roof, hot water heat-



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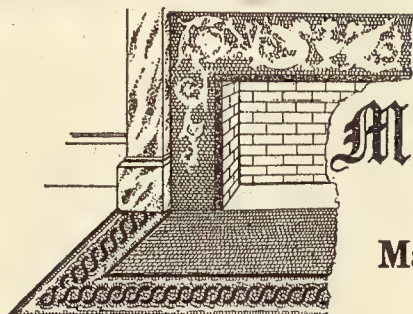
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ing, electric light, tile work, oak and yellow pine floors. Wolverton & Co., 28 East Willow avenue will build and are taking sub-bids.

**Elevated Stations, Cont.** 551 and 552, Allegheny avenue and Somerset street and Kensington avenue, Frankford Elevated, Philadelphia. Architect, private plans. Owners, City of Philadelphia, care Department of City Transit, Philadelphia. Brick, concrete and cut stone, 2 stories, 39x36 feet and 40x32 feet, slag roof, cement floors, concrete foundation, tile and marble work, rolled steel sash, safety treads, roof ventilators, hollow metal doors, ornamental iron work and stairs, steel. Owners taking bids due April 29th. Pringle Borthwick, 8018 Germantown avenue, Edw. Atkins, 249 South Twenty-fourth street, Wills-Ludwick Co., 1708 Sansom st., John R. Wiggins Co., Otis Bldg., Wm. Steele & Sons Co., Sixteenth and Parkway, Standard Construction Co., 1713 Sansom street, Edw. Fay & Son, 2 South Mole street, I. K. Davis, Twentieth and Church Lane, P. J. S. Construction Co., 4113 Lancaster avenue, Monaghan & Losse, Inc., 3016 Chestnut street, P. T. Carlin Construction Co., 1120 Broadway, New York City, Ketcham & McQuade, 1029 Brown street Connors Bros. Co., 15 West 91st street, New York City and John M. Yardley, 1716 Sansom street, Philadelphia, are figuring.

**Residences (14),** Wingohocking street be-

tween Twelfth and Thirteenth streets, Philadelphia. Architect, H. Child Hodgins, Inc., 1312 Walnut street, Philadelphia. Owner, B. Bornstein, 1510 N. Franklin street, Philadelphia. Stone, 2½ stories, 19x58 feet, slate, tile and composition roof, oak floors, stone foundation, hot water heating, electric lighting, tile work. Owners taking sub-bids.

**Convenience Station,** Juniata Park, "K" and Cayuga streets, Philadelphia. Architect, private plans. Owner, City of Philadelphia, Bureau of City Property, 113 City Hall, Philadelphia. Hollow tile, brick and stucco, 1 story, 47x27 feet, tin roof, cement floors, tile work, hollow tile, hollow metal sash, waterproofing. Owners taking bids due April 29th. Hogg Construction Co., Denckla Building, Monaghan & Losse, Inc., 3016 Chestnut street, and E. C. Durell, 1713 North Twenty-fourth street are figuring. (Deposit of \$5.00.)

**Caretaker's Lodge House,** Fifty-third and Botanic avenue, Philadelphia. Architect, private plans. Owner, City of Philadelphia, Bureau of City Property, 113 City Hall, Philadelphia. Hollow tile and stucco, brick, 2 stories, 28x26 feet, slate roof, hot air heating, pine floors, hollow tile. Owners taking bids due April 29th. Hogg Construction Co., Denckla Building, E. C. Durell, 1713 North Twenty-fourth street, Philadelphia, are figuring. (Deposit \$5.00.)

## Contracts Awarded

**Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.**

**Group of Buildings,** League Island Park, Philadelphia, \$265,880. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, City of Philadelphia, care of Geo. E. Datesman, Director, City Hall. Brick, reinforced concrete, granite and limestone, 1 and 2½ stories, red tile roof, concrete and cement

floors, hot water heating, electric lighting, tile and marble, terrazzo and slate work, iron work, 185x49 feet, (2) 50x17 feet, 49x32½ feet, 64x37½ feet and 64x15 feet. Contract awarded to Edw. Fay & Son, 2 South Mole street, Philadelphia.

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PHILADELPHIA

Philadelphia, \$1,500. Owner, Dr. Dawson Huber, Brookline, Pa. Brick, 3 stories, interior alterations, electric lighting. Contract awarded to W. O. Springer, 1624 Latimer street.

**Dwelling**, Reach street, north of Sentner street, \$3,000. Architect, private plans. Owner, Charles Ludwig, 3431 Water street, Philadelphia. Brick, 2 stories, 16x28 feet, 13x21 feet, tin roof, pine floors. Contract awarded to John Mortimer, 3377 Emerald street.

**Office Building (alts. and add.)**, Unruh st., Tacony, Philadelphia, \$15,000. Architect, A. B. Lacey, 1012 Walnut street, Philadelphia. Owners, Henry Disston & Sons, Tacony, Philadelphia. Brick, stone and reinforced concrete, 2 stories, 30x36 feet, Barrett roof, cement floors, steam heating, hollow tile, metal lath, rolled steel sash and skylights, fireproof doors, iron stairs, ornamental iron work, roof ventilators, waterproofing, dampproofing, iron stairs. Contract awarded to H. E. Baton, 1713 Sansom street, Philadelphia.

**Dairy Building**, 222 Lombard street, Philadelphia, \$3,000. Architect, Wm. H. Timm, Abbott Building, Philadelphia. Owners, Abbott's Alderney Dairies, Thirty-first and Chestnut streets. Mill work. Contract awarded to W. O. Springer, 1624 Latimer street, Philadelphia.

**Residence (alts. and add.)**, Clearfield, Pa. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, John Forsythe, Clearfield, Pa. Brick, 2½ stories, 21x31 feet,

porch, shingle roof. Contract awarded to Wm. Chaplin, Clearfield, Pa.

**Store and Dwelling (alts. and add.)**, 6405 Woodland avenue, \$3,400. Architect, private plans. Owner, Joseph Friedman, 6423 Woodland avenue, Philadelphia. Brick, 2 stories, front addition, 15x12 feet, and side addition, 2 stories, 3x21 feet, slag roof. Contract awarded to Charles E. Fitcher, 6930 Paschall avenue.

**Garage**, 729 Raymond street, Philadelphia, \$750. Architect, private plans. Owner, Chris Webber, 728 Northeast Boulevard, Philadelphia. Brick, 1 story, 15½x40 feet, slag roof, sheet metal reinforced roof. Contract awarded to H. H. Wehmeyer, 509 West Cumberland street.

**Factory**, 1006 Vine street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Samuel Stern, 151 N. Eleventh street, Philadelphia. Brick, 2 stories, 24x104 feet, slag roof, stone foundations, electric lighting, concrete, plank and maple floors, millwork, hollow metal skylights, metal ceilings, 1 lift. Contract awarded to John Roman, 4908 Wayne avenue.

**Factory**, Salmon street and Lehigh avenue, Philadelphia, \$5,500. Architect, Herman H. Kline, 536 Mifflin street, Philadelphia. Owners, Wm. Cummings & Co., 1615 North Second street, Philadelphia. Brick, 1 story, 48x103 feet, slag roof, steam heating, electric light-

ing, rolled steel sash, hollow metal skylights, plank floors. Contract awarded to Stone & Arthur, 2055 Amber street, Philadelphia.

**Residence (alts. and add.)**, Hortter and Johnson streets, Germantown. Architect, H. Childs Hodgson, 1312 Walnut street, Philadelphia. Owner, Albert M. Greenfield, Thirteenth and Chestnut streets. Interior alterations (plumbing, heating, oak floors reserved), tin roof, tile and marble work, plastering, painting, millwork. Contract awarded to Joseph F. Meyers, Jr., & Co., 1237 Ridge avenue.

**Residence (alts. and add.)**, 5224 Green st., Germantown, \$5,700. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, Albert E. Bacon, 5124 Pulaski avenue. Brick addition, 2 stories, 15x24 feet, tin roof, hot water heat, extension, electric lighting, plumbing, interior alterations. Contract awarded to I. A. Dunkelberger, 71 East Herman street.

**Garage, Storage and Workshop**, southeast corner of Tulip and Westmoreland streets, \$25,000. Architect, private plans. Owner, Wm. S. Diamond, on premises. Brick, 1 and 2 stories, 32x266 feet, slag roof, cement floors, steam heating, electric lighting. Contract awarded to Robert Beatty & Bro., 2321 East Fletcher street.

**Dwelling and Garage (alts. and add.)**, 3029 Coulter street, \$5,000. Architect, Samuel D. Hawley, 10 South Eighteenth street. Owner, Wm. G. Warden, on premises. General alterations and balcony porch and garage, addition. Brick, 2 stories, 16x20 feet, shingle roof, new partitions (heating, light and plumbing reserved). Contract awarded to Fred Elvidge & Son, 5522 Germantown avenue.

**Garage**, 821 Westview street, Germantown, \$2,000. Architect, private plans. Owner, A. M. Harrington, on premises. Stone, 2 stories, 24x35 feet, shingle roof, stone foundations (hot water heating, electric lighting and plumbing reserved), cement floors. Contract awarded to Fred Elvidge & Son, 5522 Germantown avenue.

**Foundry, Office and Garage**, northwest corner of Tulip and Roxborough streets, \$18,945. Architect, private plans. Owners, Philadelphia Sash Weight Works, Glenwood avenue, near Twenty-second street. Brick, 1 and 2 stories, 70x144 feet, and 1 story, 26x45 feet, slag roof, stone foundations, roof ventilators, iron work (plumbing, heating, electric work, cement floors and elevator reserved). Contract awarded to Davis & Clayton, 1817 North Twentieth street.

**Dwelling**, south side of St. Vincent and Oakley streets, \$4,500. Architect, private plans. Owner, Robert Crawford, 400 Sommerville street. Brick and frame, 2 stories, 25x37 feet, asbestos shingle roof, hot water heating, electric lighting. Contract awarded to Michael Stevens, 916 St. Vincent street.

**Garages (3)**, 956-58 Foulkrod street and 950



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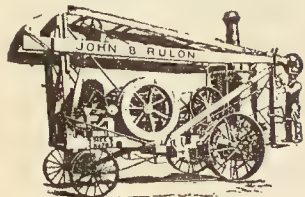
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Herbert street, \$2,100. Architect, private plans. Owners, Wilmot Fleming, 956 Foulkrod street; Richard Godber, 958 Foulkrod street, and J. D. Fotheringham, 1000 Arrott street. Brick, 1 story, (2) 10x19 feet, (1) 10x18 feet, slag roof. Contracts awarded to J. D. Fotheringham, 1000 Arrott street.

Dwelling and Garage, 6106 Torresdale avenue, \$4,300. Architect, private plans. Owner, Ella Gravat, 3244 Van Kirk street, Philadelphia. Brick, 2 stories, 15x51 feet 9 inches, garage, 1 story, 16x25 feet, slag roof, hot water heating, electric lighting. Contract awarded to Frank W. Zebley, 6012 Hegerman street.

Garage, 1905 Wynnewood Road, Philadelphia, \$1,500. Architect, private plans. Owners, K. E. & A. Hoffmeister, 217 South Broad street, Philadelphia. Brick, 1 story, 21x21 feet, slag roof, hot water heating, cement floors. Contract awarded to Geo. H. Evans, 45 North Thirteenth street, Philadelphia.

Warehouse, Twelfth and Sedgley avenue, Philadelphia, \$150,000. Architect, Frederick T. Uezzell, 717 Walnut street, Philadelphia. Owners, Weitzel Lumber Co., Germantown and Sedgley avenues, Philadelphia. Brick, concrete, slow burning, 2 stories, 80x200 feet, slag roof, steam heating, electric lighting, concrete and wood floors, elevators, rolled steel sash, fire doors. Contract awarded to Harry W. Brocklehurst, 512 West Norris street, Philadelphia.

Dwellings (22), Fifth and Grange avenue, Philadelphia, \$92,400. Architect, private plans. Owner, Henry W. Bauer, Northeast corner Fifth and Chew streets, Philadelphia. Brick, 2 stories, 18x32½ feet, slag roof, hot water heating. Owner will build.

Dwellings (32), Fifth and Chew streets, Fifth and Grange streets and Fifth street, Philadelphia, \$154,600. Architect, private plans. Owner, R. Wallace Troenmer, 3134 North Broad street, Philadelphia. Brick, 2 stories, 16½x44 feet, 15½x31 feet and 12½x12 feet, slag and slate roof, hot water heating, electric lighting. Owner will build.

Dwellings (4), Longshore, Buckius and Er-dick streets, Philadelphia, \$12,000. Architect, private plans. Owner, Thos. W. South, 4412 Wingohocking avenue, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, hot air heating. Contract awarded to J. Edw. Mattis, 4412 Wingohocking avenue, Philadelphia.

Commercial Coal Dump, Northeast Corner Fifty-seventh and Grays avenue, Philadelphia, \$4,200. Architect, private plans. Owner, Henry E. Strathman, Inc., on premises. Frame, 200 feet long. Contract awarded to Stewart Bros., 2526 North Orkney street, Philadelphia.

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## PENNSYLVANIA

## Construction News

Attendant's House (add.), Fairview, Wayne County, Pa. Architect, Chas. L. Hillman, 400 Chestnut street, Philadelphia. Owners, State Hospital for Criminal Insane, H. G. Asmead, secretary, Waymart P. O., Wayne County, Pa. Stone, brick and steel, fireproof. Plans may be obtained from office of architect upon deposit of \$10.00 (refund \$10.00). Owners taking bids, due May 3rd at noon.

Residence (alts. and add.), Lansdowne, Pa. Architects, Bunting & Shigley, 603 Chestnut street, Philadelphia. Owner, S. S. Pennock, 1612 Ludlow street, Philadelphia. Stucco, 3 stories, stone foundations, general alterations and rear addition. Architects taking bids, due April 28th. Wm. R. Dougherty, 1610 Sansom street; Pomeroy Const. Co., 1609 Ranstead street; Wills-Ludwick Co., 1708 Sansom street; Jacob Myers & Sons Co., Witherspoon Building; R. C. Ballinger, 218 North Thirteenth street; J. Howard Roberts, Lansdowne, Pa., are figuring.

Residence (alts.), Merion, Pa. Architect, Horace Wells Sellers, Stephen Girard Building, Philadelphia. Owner's name withheld. Minor interior alterations, enclosing porch, etc. Architect taking bids, due as soon as possible, Milton W. Young, Overbrook, Pa.; A. Zellfelder, 151 South Broad street; E. E. Hollenback, Inc., 1804 Brandywine street; Wm. Foster, Ardmore, Pa., are figuring.

Residences (5), Rydal, Pa. Architects, McIlvain & Roberts, Otis Building, Philadelphia. Owner, William Carter, Rydal, Pa. Stone and stucco, 2½ stories, 43x42 feet, 42x52 feet, 44x54 feet, 35x68 feet, and 44x54 feet, shingle roof, stone foundations, hot water heat, electric light, tile work, wood floors, iron work. Architect has received bids.

Residence and Garage, Latham Park, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, Wm. T. Roberts, Latham Park, Pa. Stone, 2½ stories, 50x36 feet, wing 36x15 feet. Garage, 1½ stories, 24x38 feet, slate roof, cement and oak floors, hot water heat, electric lighting, tile work. Revised plans in progress.

Repaving Streets, Chester, Pa. Owners, City of Chester, Superintendent of Streets, City Hall, Chester. Brick and granite block, asphalt and bituminous paving. Owners tak-

ing bids, dut at City Clerk's office, April 24th at 10 A. M.

Residence (alts. and add.), Yeadon, Delaware County, Pa. Architect, Paul J. Essick, 1345 Arch street, Philadelphia. Owner, Wm. C. Meade, care of McFarland Meade Co., Seventieth and Kingsessing avenue. Frame, 1 story, slate roof, stone foundations, electric light, new stairs, millwork, plumbing, painting, glazing. Essick Const. Co., 1345 Arch street, are taking sub-bids.

Factory Building, East Broad street, Tamaqua, Pa. Architect, Benj. R. Stevens, 1737 Filbert street, Philadelphia. Owners, M. & G. Ice and Ice Cream Co., Tamaqua, Pa. Brick, concrete and terra cotta, 2 stories, 88x102 feet, slag roof, electric lighting, terrazzo work, rolled steel sash, cement floors, hollow tile, 1 elevator, steel doors, iron work. Owners taking bids, due April 26th at noon at Tamaqua National Bank, Tamaqua, Pa. Wark & Co., 1737 Filbert street, and H. E. Baton, 1713 Sansom street, Philadelphia; Ochs Const. Co., Allentown, Pa.; Andrew Breslin, Summit Hill, Pa.; Butz & Clader, Allentown, Pa., are figuring.

Residences (4), Brookline, Pa. Architect, J. Millar Blew, 833 South Cecil street, Philadelphia. Owner, J. M. Brown, Brookline, Pa. Stucco and brick, 2 stories, 1 pair twin houses and 2 singles, 22x30 feet and 30x28 feet, slate roof, stone foundations, hot water heating, electric lighting, tile work, North Carolina pine floors. Architect taking bids and sub-bids, due April 24th. Hogg Const. Co., Denckla Building, is figuring.

Residence (alts. and add.), 315 North Seventh street, Allentown, Pa. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Dr. Eugene M. Kistler, on premises. Brick and concrete, 3 stories, tile work, hardwood floors, plumbing, hot water heating, vacuum cleaning system, roofing. Plans about completed. Will be ready for bids in a few days.

Moving Picture Theatre (alts. and add.), Lebanon, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Geo. Spang, Lebanon, Pa. Brick addition (accommodate 250 more seats), pine floors. Plans in progress.

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**School (alts. and add.),** Lebanon, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Lebanon School District, Lebanon, Pa. Brick, 2 stories, slate roof, pine floors, hot air heating, plumbing. Plans in progress.

**Garage and Apartments,** Lebanon, Pa. Architect, A. A. Ritcher, Sixth and Court sts., Reading, Pa. Owners, Miller Auto Co., Lebanon, Pa. Brick and reinforced concrete, 2 and 3 stories, 66x183 feet, concrete foundations, composition roof, steam heat, electric lighting, cement and hardwood floors, store and office in building. Plans in progress.

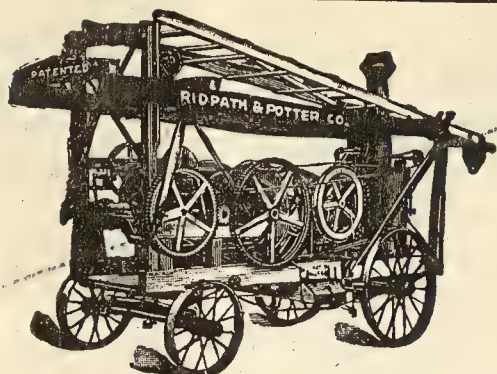
**Store (alts. and add.),** Pottsville, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, Libenthahl's New York Store, Pottsville, Pa. Brick, remodeling store front, metal bulk, marble work. Plans in progress.

**Cottage,** Iron Spring, Pa. Architect, P. A. Stair, Guardian Trust Building, York, Pa. Owner, Rev. A. W. Geigler, Iron Spring, Pa. Stone and shingle, 1½ stories, 31x42 feet, shingle roof, pine floors, hot water heating, electric lighting. Owner is taking sub-bids.

**Dormitory and Swimming Pool,** East Market street, York, Pa. Architect, Robt. A. Stair, Guardian Trust Building, York, Pa. Owners, Y. M. C. A., East Market street, York, Pa. Brick, 2 stories, 33x60 feet, slag roof, fireproof floors, tile work. Architect will be ready for bids in about ten days. Bids will be due May 10th.

**Apartment Building (alts.),** West Market street, York, Pa. Architects, Gemmill & Billmeyer, York, Pa. Owners, York Paint and Color Co., West Market street, York, Pa. Brick, stone trim, 4 stories, 26x83 feet, slag roof, hardwood floors, steam heat, electric lighting, tile and marble work. Architect taking bids, due April 26th. Wm. Gilbert, Luther Menough, Calvin A. Boyer, and Hess Bros., all of York, Pa., are figuring.

**Cottages (2),** Bryn Mawr, Pa. Architect, Charles B. Keen, Bailey Building, Philadelphia. Owner, Mrs. W. B. Saunders. Bryn Mawr, Pa. Stone, 2 stories, 36½x32 feet, shingle roof, stone foundation, hot air heating, electric lighting (heating and range reserved). Architects taking bids due April 29th. Milton W. Young, Overbrook, Pa., Geo. W. Croll, Rosemont, Pa., and Gray Bros., Rosemont, Pa., are figuring.



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**Residence,** Columbia Pike, Lancaster, Pa. Architect, Wm. Shaub, Lancaster, Pa. Owner, B. F. Tressler, North Duke street, Lancaster, Pa. Hollow tile and stucco, 2½ stories, 26x65 feet, slate roof, concrete foundation, hot water heating, electric lighting, tile work, hardwood floors. Plans in progress.

**Residence (alts.),** Columbia, Pa. Architect, Wm. Shaub, Lancaster, Pa. Owner, A. Berker, Columbia, Pa. General interior alterations, painting, plastering, heating, hardwood floors, tile work. Owner taking sub-bids.

**Office (add.),** Liberty, Lancaster, Pa. Architect, Wm. Shaub, Lancaster, Pa. Owner, P. G. Gerhert, on premises. Brick, fireproof, 3 stories and basement, 36x35 feet, slag roof, concrete foundation, steam heating, electric lighting, tile and marble work, cement floors. Architect will take bids April 28th.

**Houses (6),** Jackson street, Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, Ray Clark, 128 South Ann street, Lancaster, Pa. Brick, 2 stories, 18x35 feet, composition roof, pine floors, hot air heating, electric lighting. Owner taking bids.

**Office (alts.),** North Queen street, Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, Lancaster Daily Examiner, on premises. General interior alterations, new stairway, safety treads, plumbing and heating. Owner is taking bids.

**Store (alts.),** North Queen street, Lancaster, Pa. Architect, W. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, namewithheld. General interior alterations, plate glass, steam heating, metal ceilings. Plans in progress. Will take bids in two weeks.

**Apartment (alts.),** Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, name withheld. General interior and exterior alterations, new front. Preliminary plans in progress. Will take bids in a few days.

**Parish House (alts.),** Lititz, Pa. Architect, Wm. Shaub, Lancaster, Pa. Owner, Moravian Church, Lititz, Pa. Concrete work, steel work, plumbing, steam heating, tile and marble work, maple floors. Plans in progress.

**Warehouse (Fire Repairs),** Howard and Forest streets, Harrisburg, Pa. Architect, private plans. Owner, Central Construction Co., care Chas. E. Covert, President, 222 Market street, Harrisburg, Pa. General fire repairs. Work contemplated.

**Bakery,** 4th and Vaughn streets, Harrisburg, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Herrel Bros., on premises. Brick, 1 story, 40x80 feet, slag roof, concrete foundation, steam heating, electric lighting, maple floor, roof ventilators. Plans in progress. Owner will take bids in one week.

**Roadwork,** Pennsylvania State Highway Department, L. S. Sadler, Commissioner, Harrisburg, Pa., will receive bids till 10 A. M. May

2d for the reconstr. of 40,004 lin. ft. re. con. & Hillside vit. brk. paving, 18 ft. wide, in Windsor Township, Berks County, & West Brunswick Township, Schuylkill County, on Route No. 141; 5,443 lin. ft. re. conc. pavement, 18 ft. wide, in Duncansville Borough, Blair County, on Route No. 53; 16,177 lin. ft. of vit. brk. paving, 18 ft. wide, in Allegheny Township, Cambria County, on Routes Nos. 53 and 276; 32,100 lin. ft. of bituminous surface & Hillside vit. brk. pavement, 18 ft. wide, in Spring Township, Center County, on Route No. 27; 21,626 lin. ft. of re. conc. pavement, 18 ft. wide, in W. Goshen & W. Whiteland Townships, Chester County, on Route No. 147; also 2,334 lin. ft. of re. conc. pavement, from 18 ft. to 32½ ft. in width, in Kennett Sq. Borough, Chester County, on Route No. 131; 26,648 lin. ft. of re. conc. & Hillside vit. brk. pavement, 18 ft. wide, in Paint and Elk Townships, Clarion County, on Route No. 65; also 1,842 lin. ft. of vit. brk. pavement, 16 and 35 ft. wide, in Clarion Borough, Clarion County, on Route No. 65; 8,414 lin. ft. of re. conc. & Hillside vit. brk. pavement, 18 ft. wide, in Walker and Fermanagh Townships, Juniata County, on Route No. 31; 10,560 lin. ft. of re. conc. pavement, 18 ft. wide, in Union Township, Luzerne County, on Route No. 4; also 22,452 lin. ft. of bituminous pavement, 18 ft. wide, in Salem Township, Luzerne County, on Route No. 4; 26,310 lin. ft. of re. conc. pavement, 18 ft. wide, in Charleston and Richmond Twps., Tioga Co., on Route No. 21; also 10,717 lin. ft. of re. conc. pavement, 18 ft. wide, in Broken Straw Township, Warren County, on Route No. 88. Bidding blanks and specifications may be obtained free, and plans upon payment of \$2.50 per set, upon application to State Highway Department, Harrisburg. No refund for plans returned. Can be seen at office of State Highway Department, Harrisburg, 1001 Chestnut street, Philadelphia, and 904 Hartje Building, Pittsburgh, Pa.

## Pennsylvania Contracts Awarded

**Residence,** southeast corner School and Mason avenue, Drexel Hill, Pa. Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, Charles E. Friel, care of architect. Hollow tile and stucco, 2½ stories, 26x42 feet, shingle and canvas roof, hardwood and composition floors, hot water heating, combination lighting. Contract awarded to Edw. E. Friel, 2146 East Norris street, Philadelphia.

**Residence (alts.),** Shoemakerville, Pa. Architect, private plans. Owner, W. K. Smith, on premises. General interior alterations, hot water heating, hardwood floors. Contract

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tract awarded to A. J. Fink, Reading, Pa.

**Woman's Club**, 140 North Fifth street, Reading, Pa. Architect, Harry Maurer, Mt. Penn, Reading, Pa. Owners, Woman's Club, care of Mrs. Ancona, Mineral Spring Road. Brick, 1 story, 36x70 feet, slate roof, maple floors, steam heating, electric lighting. Contract awarded to Chas. H. Schlegel, Reading, Pa.

**School**, Arch street, York, Pa. Architect, Robt. A. Stair, Guardian Trust Building, York, Pa. Owners, School District of York, Pa. Brick, 23x55 feet, slag roof, stone or concrete foundations, electric lighting, maple and concrete floors (heating reserved). Contract awarded to C. A. Boyer & Son, York, Pa.

**Garage**, Hanover, Pa. Architect, Robt. A. Stair, Guardian Trust Building, York, Pa. Owner, Mrs. E. Kendig, Hanover, Pa. Brick, 1½ stories, 26x46 feet, slag roof, concrete floors, hot water heating, electric lighting. Contract awarded to W. J. Klunk, Hanover, Pa.

**School (add.)**, Paxtang, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Paxtang School Board, care J. Rutherford, Paxtang, Pa. Brick, 1 story, 35x108 feet, slate roof, maple floors, steam heating, electric lighting. Contract awarded to J. F. Saussaman, Paxtang, Pa.

**Garage**, Philadelphia Pike, Lancaster, Pa. Architect, M. R. Evans, Lancaster, Pa. Owner, name withheld. Brick, 1 story, 50x40 feet, steam heating, electric lighting, cement floors, composition floors. Contract awarded to Herman Wohlsen, Lancaster, Pa.

**Residence**, St. Davids, Pa. Architect, Francis A. Gugert, Wapne, Pa. Owner, R. E. Foster, St. Davids, Pa. Hollow tile and stucco, 2 stories, 26x50 feet, shingle roof, oak floors, stone foundation, hot water heating, electric lighting. Contract awarded to J. D. Lingle, Wayne, Pa.

## New Jersey Construction News

**Theatre (add. and remodeling)**, Woodbury, N. J., \$20,000. Architect, Paul J. Henon, Jr., 10 South Eighteenth street, Philadelphia. Owners, Woodbury Amusement Co., Woodbury, N. J. Brick, 1 story and balcony, 47x143 feet, tin roof, cement floor, steam heating, electric lighting, tile and marble work. Plans in progress. Will be ready for bids in one week.

**Bungalow**, Atlantic City, N. J. Architect, Samuel D. Hawley, 34 South Seventeenth st., Philadelphia. Owner's name withheld. Brick, 1½ stories, 30x40 feet, slate roof, pine floors. Preliminary plans in progress.

**Residences (3)**, Atlantic City, N. J. Architects, Druckenmiller & Williams, 1527 Chestnut street, Philadelphia. Owner's name withheld. Brick and stucco, 3 stories, 30x65 feet, slate and tile roofs, hardwood floors, vapor heating, electric lighting, tile and marble work. Contract awarded to Wilbur Beaumont, Atlantic City, N. J.

**Residence**, Haddonfield, N. J. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Fred J. Wilson, Haddonfield, N. J. Hollow tile, wood and brick, 2½ stories, 46x50 feet, slate roof, stone foundations, hot water heating, electric lighting, tile, oak floors, hollow tile. Architect taking bids due April 28th. Wills-Ludwick Co., 1708 Sansom street, H. E. Grau Co., 1707 Sansom street, Bowden Construction Co., 1713 Sansom street,

**Gas Engines**  
**Gas Boilers**  
**Gas Water Heaters**  
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**Steam Specialties**

**APELDORN & BEATTY CO.**  
**155 N. 9th St., Phila.**

**Bell Phone**  
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**Main 1664**

John M. Yardley, 1716 Sansom street, H. F. Tompkins, Haddonfield, N. J., Charles Holloway, Haddonfield, N. J., and John Rodgers, Moorestown, N. J., are figuring.

**Houses (3)**, Logan avenue, Trenton, N. J. Architect, private plans. Owner, C. S. Barlow, 144 North Montgomery avenue, Trenton, N. J. Brick, 2 stories, 12x50 feet, slag roof, concrete block foundation, pine floors, hot air heating, electric lighting. Owner taking sub-bids.

## Delaware Construction News

**Moving Picture Theatre (alts.)**, Sixth and Market streets, Wilmington, Del., \$10,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, W. A. Jones, 2302 Van Buren street, Wilmington, Del. Brick and terra cotta, new front, balcony, lobby and stairway. Plans in progress.

**Store**, 814-16 King street, Wilmington, Del., \$30,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, John E. Kane, on premises. Brick and terra cotta, 2 stories and basement, 50x110 feet, slag roof, steam heat, electric and gas light, hardwood and pine floors, elevators, hollow metal skylights. Plans in progress.

**Apartment Houses (2)**, Seventh and Rodman streets, Wilmington, \$14,000. Architect, private plans. Owners, Finance Co., 1606 Howland street, Wilmington, Del. Brick, 3 stories, 32½x90 feet, slag roof, pine floors, stone foundations, steam heat, electric lighting. Contract awarded to Apostino Fortunato, Wilmington, Del.

**Dairy (add.)**, Twelfth and Orange streets, Wilmington, Del., \$12,000. Architect, private plans. Owners, Clover Dairy Co., on premises. Brick, 2 stories. Contract awarded to Realty Const. Co., DuPont Building, Wilmington.

**Dwellings (2)**, Delaware avenue, between Scott and Lincoln streets, Wilmington, \$9,000. Architect, private plans. Owner, Wm. Kelly, Delaware avenue and Dupont street, Wilmington, Del. Brick, 3 stories, 30x52 feet, slag roof, stone foundations, steam heat. Contract awarded to Patrick Fahey, 103 North Clayton street, Wilmington.

**Dwellings (2)**, Third, below Lincoln and Union streets, Wilmington, \$6,000. Architect, private plans. Owner, Mrs. E. E. Ennis, 269 East Main street, Newark, Del. Brick, 2 stories, 15x45 feet, slag roof, pipeless heater, electric lighting, pine floors. Contract awarded to B. H. Ennis, Jr., 269 East Main street, Newark, Del.

**Dwelling (add.)**, 2206 Park Drive, Wilming-

ton, \$4,200. Architect, private plans. Owner, C. B. Henning, 2206 Woodlawn avenue, Wilmington, Del. Brick, 2 stories, 13x20 feet, slag roof, interior alterations, hardwood floors. Contract awarded to W. D. Haddock & Co., 804 Orange street, Wilmington, Del.

## Proposals

### INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., April 8, 1919. SEALED PROPOSALS will be opened in this office at 3 P. M., May 6, 1919, for alterations to the United States Post Office at Bridgeport, Connecticut. Drawings and specifications may be obtained from the Custodian or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., April 11, 1919. SEALED PROPOSALS will be opened in this office at 3 P. M., May 9, 1919, for a clock, fire-alarm, watchman's clock and low voltage feeder systems in the Arlington Building, Washington, D. C., in accordance with drawings and specifications, copies of which may be had at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

The Roman Mosaic & Tile Company, Inc., for twenty years located at 435 Green street, Philadelphia, Manufacturers and Dealers in Marble Mosaics, Terrazzo, Ceramics and Tiles, has consolidated with Vincent Cianci & Co., 3428 Warren street, Philadelphia, which concern has been in the same kind of work for the same length of time.

The new company will be known as The Roman Cianci Co., Incorporated, and, for the present, will have offices at 3428 Warren street, and warehouse and shop at 3429 Filbert street.

Mr. Angelo Trevisan is President of the new company, and Mr. Vincent Cianci, Secretary and Treasurer.

The purpose of the consolidation is to effect a more efficient organization for executing work of the Architectural and Building Trades.

The man who doesn't advertise, these days, is forgotten. The world is too busy to look up dead ones.

Washed Bar Sand and Gravel will take less cement on concrete work. We know how.  
**DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.**



# Miscellaneous Construction News

**Bank Building**, Fifteenth and I streets, N. W., Washington, D. C. Architects, Holmes & Winslow, 110 West Fortieth street, New York City. Owners, Liberty Savings Bank, 1410 New York avenue, Washington, D. C. Brick, granite and artificial stone, 1 story and mezzanine floor, 139x24 feet 8 inches, J-M roof, concrete foundations, steam heat, electric lighting, hollow metal skylights, iron stairs, iron work, structural steel, marble work (terrazzo work reserved), concrete floors, hollow tile, metal lath, roof ventilators, waterproofing, dampproofing. Architects taking bids, due April 28th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

**Storehouse**, Spec. 3859, Hampton Roads, Va. Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Hollow tile and stucco, 6 stories, 442x118 feet, composition roof, concrete or wood piles, steam vacuum heating, electric lighting, elevator, rolled steel sash, kalamein doors, hollow tile, metal lath, elevators, safety treads, roof ventilators, iron work. Owners taking bids, due April 25th. Cramp & Co., Denckla Building; Warren-Moore Co., Colonial Trust Building; Melody & Keating, 1322 Race street; F. W. Mark Cont. Co., Finance Building; Thos. Reilly, 1616 Thompson street, Philadelphia, are figuring. Deposit of \$20.00.

**Storehouse**, Spec. 3860, Hampton Roads, Va. Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Hollow tile and stucco, 3 stories, 935x168 feet, composition roof, concrete or wood piles, vacuum steam heating, electric light, rolled steel sash, concrete and asphalt floors, hollow tile, elevators, steel and cast iron, structural steel. Owners taking bids, due April 28th. F. W. Mark Cont. Co., Finance Building; Warren-Moore Co., Colonial Trust Building; Melody & Keating, 1322 Race street; Cramp & Co., Denckla Building; Thos. Reilly, 1616 Thompson street, Philadelphia, are figuring. Deposit of \$20.00.

**Storehouse**, Specification 3,861, Hampton Roads, Va. Architect, private plans. Owners, United States Government, Department of Navy, Bureau of Yards and Docks, Washington, D. C. Hollow tile, concrete and air lock brick, 1 story, 614x179 feet, gypsum slag roof, wood piles, vacuum system of heating, electric lighting, concrete floors, hollow tile, rolled steel sash, fire doors, kalamein doors, reinforcing steel and iron work. Owners taking bids due April 28th. Irwin & Leighton, 126 North Twelfth street; Cramp & Co., Denckla Building; Warren-Moore Co., Colonial Trust Building; Melody & Keating, 1322 Race street; F. W. Mark Cont. Co., Finance Building; Thomas Reilly, 1616 Thompson street, and George F. Pawling Co., 1432 South Penn Square, are figuring. (Same list on Spec. 3,859 and Spec. 3,860.)

**Naval Mine Depot (10 Buildings)**, Yorktown, Va., Spec. 3831. Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Washington, D. C. Brick, reinforced concrete, steel and hollow tile and stucco, tin, built-up, ready, shingle and slag roof, concrete and wood floors, hollow tile, metal lath, concrete foundation, steam heating, electric lighting, tile and terrazzo work, hollow metal sash, metal lath, roof ventilators, dampproofing, concrete hardener, screens, iron work. Lowest bid submitted by Hugh S. Roberts & Co., 1123 Broadway, New York City, \$183,141, 180 days.

**Oxyacetylene Generating Plant and Galvanizing Plant**, Spec. 3772, Norfolk, Va. Architect, private plans. Owner, U. S. Government, Bureau of Yards and Docks, Washington, D. C. Reinforced concrete, steel and brick, 1 story and 2 stories, 80x150 feet, 38x114 feet, and 40x42 feet, built-up roof, concrete floors, hollow tile, concrete foundation, steam heating, electric lighting, rolled steel sash. Lowest bidder, Wm. Linker Co., 831 Cherry street, A—\$119,900, 179 days; 2A—\$78,000, 169 days; 3A—\$44,400, 169 days.

Dwellings (20), north side of Spencer street, west of Ogontz, \$80,000. Chas. H. Eckman (O and C), 2126 North Sixteenth street. Brick, 2 stories, 15 and 11x29 and 11 feet, slag roof, hot water heating.

Dwellings (20), north side of Spencer st., west of Ogontz street, \$80,000. R. A. O'Donnell (O and C), Broad and Cheltenham avenue. Brick, 2 stories, 15 and 11x29 and 11 feet, slag roofing, hot water heating.

Garage, south side of Nedro street, east of Thirteenth street, \$1,500. Wm. J. Lawrence (O), Thirteenth and Nedro streets. L. Davis (C), Thirteenth and Nedro streets. Brick, 1 story, 19x37 feet.

Garage, Anderson and Washington Lane, \$925. Henry R. W. Smith (O), 1187 East Washington Lane. Geo. W. Frantz (C), East Horter street. Brick, 1 story, 12x18 feet.

Garage, 819 South Fifty-ninth street, \$500. Chas. Arzooonian (O), on premises. W. Johnson Cont. and Building Co. (C), 23 S. Fifty-second street. Brick, 1 story, 9 feet 2 inchesx20 feet.

Garage, 1305 West Sixty-fifth avenue, \$750. Wm. Wagner, Jr., (O), 925 West Huntingdon street. Jacob Gaertner (C), 2214 N. Third street. Brick, 1 story, 10 feet 6 inchesx18 feet.

Tank Supports, northeast corner of Fourth and Cambria streets, \$480. Strad & Miller Co. (O), on premises. Amos Hall & Sons (C), 2915 North Second street.

Garage, 961 Foulkrod street, \$1,400. Samuel Reid (O), 959 Foulkrod street. J. D. Fotheringham (C), 1000 Arrott street. Brick, 1 story, 16 feet 9 inchesx20 feet, slag roofing.

Shed, C and Ontario streets, \$450. Joseph Whitman Co. (O), on premises. A. R. Raff (C), 1635 Thompson street. Iron, 1 story, 50x100 feet.

Moving Picture Theatre, 1524-34 South street, \$40,000. Abraham Wax (O and C), 4218 Parkside avenue. Brick, 2 and 1 stories, 80 feet 4 inchesx22 feet and 80 feet 4 inchesx98 feet, steam heating.

Garages (8), 7246-7260 Ogontz avenue, \$4,800. Chas. Mahon (O), 7260 Ogontz avenue. Jos. B. Eisele (C), 7265 Limekiln Pike. Brick, 1 story, 12x20 feet 3 inches, slag roofing.

Dwellings (2), north side of Kerper street, east of Bingham street, \$10,800. John Flad (O), on premises. Michael Stevens (C), 916 South Vincent street. Brick, 2 stories, 14 feet 4 inchesx38 feet, slag roofing, hot air heating.

Dwellings (4), south side of Olney avenue, west of front street, \$14,000. Michael H. Riegel (O and C), 1818 West Huntingdon st. Brick, 2 stories, 16x43 feet, slag roofing, hot water heating.

Garage, 729 Raymond street, \$750. Chris Webber (O), 728 Northeast Boulevard. Henry H. Wehmeyer (C), 509 West Cumberland st. Brick, 1 story, 15 feet 6 inchesx40 feet, slag roofing.

Dwelling, south side Vincent street, east of Oakley, \$4,500. Robert Crawford (O), 400 Sommerville street. Michael Stevens (C), 916 St. Vincent street. Brick and frame, 2 stories, 25x37 feet, asphalt shingle roof, hot water heating.

Office and Garage, Tulip and Roxborough streets, \$2,945. Philadelphia Sash Weight Co. (O), Twenty-second and Glenwood streets. Davis & Clayton (C), 1819 North Twentieth street.

Foundry, Tulip and Roxborough streets, \$16,000. Philadelphia Sash Weight Co. (O), Twenty-second and Glenwood streets. Davis & Clayton (C), 1819 North Twentieth street.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

### Philadelphia

Factory, 137 Berkley street, \$60,000. Van Straaton & Havey (O), on premises. J. S. Rogers Co. (C), Drexel Building. Brick, 4 stories, 56x115 feet.

Garage, 1623 North Carlisle street, \$2,000. Wm. T. Clark (O and C), 1635 North Broad street. Brick, 1 story, 24x54 feet, slag roofing.

Garage, 1033 East Tioga street, \$800. Eugene Schuler (O), on premises. Robt. Beatty & Bro. (C), 2321 East Fletcher street. Brick, 1 story, 16x22 feet, slag roofing.

Garage, 4741 North Eleventh street, \$2,200. Max Mamlin (O), on premises. John H. Cloak (C), 5421 North Fifth street. Brick, 1 story, 12x18 feet.

Dwelling, 4404 Chestnut street, \$900. R. J. Seltzer (O), 400 Chestnut street. Edw. R. Sabin Co. (C), 631 Walnut street.

Garage, 5118 Kingsessing avenue, \$325.

Kershaw & Crowel (O), 5215 Chestnut street. M. Moister & Co. (C), 3931 North Fifth street. Iron, 1 story, 8x15 feet.

Garage, 1814 North Broad street, \$460. M. Snider (O), 1814 North Broad street. M. Moister & Co. (C), 3931 North Fifth street. Iron, 1 story, 18x18 feet.

Garage, northeast corner of Wyoming and Windrim avenues, \$2,600. Chas. W. Irvin (O), 721 Walnut street. Brick, 1 story. Owner will build.

Garage, 227 Gowan avenue, \$1,700. H. C. C. Capman (O), on premises. Wm. C. Wright (C), 22 Harvey street. Brick, 1 story, 17 feet 10 inchesx29 feet.

Garage and Shop, west side of Carlisle st., north of Rockland street, \$13,000. Edward L. Albus (O), 4832 North Twelfth street. E. E. Hollenback, Inc. (C), 1804 Bandywine street. Brick, 1 story, 54x88 feet 2 inches.

We have pebbles all sizes. Cost less than what you are using. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



Brick, 1 and 2 stories, 70x144 feet, slag roofing.

Garage, 821 Westview avenue, \$2,000. A. M. Harrington (O), on premises. Frederick Elvidge & Son (C), 5522 Germantown avenue. Stone, 1½ stories, 25x22 feet, shingle roof, cement floors.

Garage, Storage and Workshop, Tulip and Westmoreland streets, \$25,000. Wm. S. Diamond (O), Tulip and Westmoreland streets. Robert Beatty & Bro. (C), 2321 East Fletcher street. Brick, 1 and 2 stories, 32x266 feet 8 inches.

Dwellings (6), 940-42-949 Herbert street, \$33,000. J. D. Fotheringham (O and C), 100 Arrott street. Brick, 2 stories, 16 feet 4½ inchx43 feet, slag roofing.

Garage, 4677-89 Asylum Pike, \$2,800. Jos. Fotheringham (O and C), 1000 Arrott street. Brick, 1 story, 20x140 feet, slag roof. Owner will build.

Garage, 950 Herbert street, \$700. J. D. Fotheringham (O and C), 1000 Arrott street. Brick, 1 story, 10x18 feet, slag roofing.

Garage, 956 Foulkrod street, \$700. Wilnot Fleming (O) on premises. J. D. Fotheringham (C), 1000 Arrott street. Brick, 1 story, 10x19 feet, slag roofing.

Garage, 958 Foulkrod street, \$700. Richard Godbin (O), on premises. J. D. Fotheringham (C), 1000 Arrott street. Brick, 1 story, 10x19 feet, slag roofing.

Garage (12), 7257-73 Limekiln Pike, \$7,200. James B. Eisele (O and C), 7265 Limekiln Pike. Brick, 1 story, 12x20 feet 3 inches.

Garage, Sixteenth and Morris streets, \$800. James Vitroni (O and C), on premises. Brick, 1 story, 16x8 feet 6 inches.

Garage, Fifty-fifth and Woodland avenue,

\$20,000. Sukin Bros. (O and C), on premises. Brick, 1 story, 86x121 feet and 40 and 46x81 feet.

Garage, A street and Fisher's avenue, \$700. J. Fred Burkhardt (O), on premises. Alfred Steinhäuser (C), 5422 North Fifth street. Brick, 1 story, 16x20 feet.

Garage, American and Olney avenue, \$600. F. Trift (O), on premises. John Ashton (C), Fifth and Fisher's avenue. Brick, 1 story, 12x20 feet.

Garage, 5418 Westford Road, \$800. Harry E. DeGroot (O), on premises. Alfred Steinhäuser (C), 5422 North Fifth street. Brick, 1 story, 12x20 feet, slag roof.

Garages (10), west side of Ninth street, south of Sixty-sixth avenue (rear), \$4,000. Albert McBain (O and C), 6647 North Thirteenth street. Brick, 1 story, 10x16 feet, slag roofing.

Dwellings (10), west side of Ninth street, south of Sixty-sixth avenue, \$55,000. Albert McBain (O and C), 6547 North Thirteenth st. Brick, 2 stories, 16x46 feet, slag roofing, hot water heating.

Dwellings (19), Ormes, Ruscomb and B streets, \$66,500. Jacob C. Korman (O and C), 3418 Kensington avenue. Brick, 2 stories, 16x26 feet 10 inches, 10 feet 9 inchesx13 feet 2 inches, slag roofing, hot water heating.

Dwellings (3), B and Ruscomb streets, \$12,000. Jacob Korman (O and C), 3418 Kensington avenue. Brick, 2 stories, 16x47 feet, slag roofing, hot water heating.

Dwelling, east side of Reach street, north of Sentner street, \$3,000. Chas. Ludwig (O), 3431 Water street. John Martimer (C), 3377 Emerald street. Brick, 2 stories, 16x28 feet, 13x24 feet, tin roof.

J. Y. Lonx (C), 3731 York Road.

Store and Dwelling, 1102 North Fortieth street, \$2,000. L. M. Wolfe (O), 1100 North Fortieth street. A. Yermanack (C), 3824 Cambridge street.

Store, Fifteenth and Walnut streets, \$2,000. Samuel F. Houston (O), Real Estate Trust Building. Lam Building Co. (C), 1001 Wood street.

Dwelling to Tenement, 2237 North Thirtieth street, \$3,000. C. J. Williams (O and C), 3200 Arizona street.

Dwelling, 1831 Spruce street, \$1,500. Dr. Dawson Huber (O), Brookline, Pa. W. O. Springer (C), 1624 Latimer street.

Dwelling, 2408 South Second street, \$600. Sam Leib (C), 515 Wharton street. Brick, 1 story, 16x6 feet.

Dwelling, Lincoln Drive and Springfield avenue, \$1,000. F. M. Falok (O), Reading Terminal. F. W. Van Loon (C), Denckla Building.

Store and Dwelling, 224 Fitzwater street, \$1,075. John J. Kish (O), on premises. Dominick Mazlietta (C), 1122 South Seventh st.

Hospital, Thirty-fourth and Pine streets, \$10,494. City of Philadelphia (O). M. H. McCloskey, Jr., Inc. (C), 1620 Thompson st.

Store and Dwelling, 1167 Passyunk avenue, \$500. V. Dalliami (O), 1160 Passyunk avenue. A. DeMarco (C), 1124 Christian street.

Garage, 1705 North Fifty-sixth street, \$600. James J. Kehoe (O and C), 5551 Jefferson street.

Warehouse, Green Lane and Smick street, \$2,500. Julius S. Isaacs (O), 214 Penfield Building. W. R. Snyder (C), 1545 North Fifty-fourth street.

Factory, 716 Market street, \$5,000. Estate of John Dobson (O and C), 809 Chestnut street.

Garage, 6908 Chew street, \$500. Benj. Foster (O), on premises. Henry E. Baton (C), 1713 Sansom street.

Dye House, Second and Clearfield streets, \$1,000. Joseph R. Foster & Son (O), on premises. Frank Achuff (C), 1600 North Front street.

Dwelling, 4202 West Thompson street, \$1,700. Max Krumovsky (O), on premises. Sam Isenberg (C), 3849 Cambridge street.

Dwelling, 1926 Rittenhouse street, \$4,875. A. C. Keefer (O), on premises. Stewart Bros. (C), 2528 Orkney street.

Dwelling, 2024 North Broad street, \$2,000. John Sadlier & Son (O), 1616 West Susquehanna avenue. Chas. D. Carr (C), Nineteenth and Poplar streets.

Store and Dwelling, 6804-06 York Road, \$2,400. D. Fred Kuhn (O), 6804 York Road. Malcolm Coffin (C), 2840 Ridge avenue.

Dwelling (alt.) to Store, 6405 Woodland avenue, \$3,398. Joseph Friedman (O), 6423 Woodland avenue. Charles E. Fletcher (C), 6930 Paschall avenue.

Dwelling, Forty-second and Thompson sts., \$1,600. Solomon Wollman (O), on premises. Max Cother (C), 1220 North Forty-second st.

Garage, 4352-54 Griscom street, \$3,000. Harold S. Swope (O and C), 5028 Frankford ave.

Factory, 1711-17 North Tenth street, \$45,000. John E. Syostrone Co. (O), 1715 North Tenth street. Smith-Hardican Co. (C), 1606 Cherry street.

Store and Dwelling, 5217 Haverford avenue, \$500. Morris Marootz (O), on premises. M. Zussman (C), 876 North Fifth street.

Garage, Stenton and Sixty-sixth avenue, \$5,000. Walter Hamilton (O and C), 1380 Rittenhouse street.

Office and Storage Building, 221 South Front street, \$3,000. Ocean Ship Chandelry Co. (O),

## PERMITS FOR

# Alterations and Additions

O is the abbreviation for owner. C is for contractor.

## Philadelphia

Dwelling, 641 Snyder avenue, \$750. J. Bevis (O), 1535 South Seventh street. Philip Savar (C), 718 Snyder avenue.

Dwelling, new porch, Forty-fourth and Chestnut streets, \$7,000. R. J. Swetzer (O), Fourth and Chestnut streets. James Porter (C), 207 South Sixtieth street.

Store and Dwelling, Girard avenue and Lawrence street, \$3,240. Valentine H. Wagner (O), 425 West Girard avenue. Frank A. Stoll (C), 1432 Germantown avenue.

Store and Dwelling, Twentieth and Norris streets, \$850. Morris Auerback (O), on premises. Philip Snitzer (C), 1501 CoCurtland street.

Store and Office, 1718 Sansom street, \$600. H. H. Kress (O), on premises. George H. Evans (C), 45 North Thirteenth street.

Factory, 2035 Washington avenue, \$1,500. Christopher Bronzelen (O), on premises. Alex. Chambley (C), Twenty-first and Summer sts.

Office, Lena street, east of Armat street, \$600. Continental Mills Co. (O), on premises. H. E. Sweger (C), 4435 North Uber street.

Dwelling, 1127 Dickinson street, \$650. Philip Cosa (O), on premises. Joseph Pongo (C), 716 Clymer street.

Garage, 309-13 South Twenty-fifth street, \$4,850. Robert J. Bell (O), 2237 Bainbridge

street. Cerasoli & Scurci (C), 1231 Christian street.

Garage, 3321 Chestnut street, \$8,900. Thos. W. Cunningham (O), 3325 Chestnut street. Mitchell Bros. (C), 2125 Race street.

Store Building, 102 East Girard avenue, \$400. Wm. S. Avington (O), Franklin and Girard avenue. Heyman Seidman (C), 1312 North Sixth street.

Store and Dwelling, 524 South Front street, \$750. S. Ferrison (O), 114-16 South street. James Temple (C), 757 South Hicks street.

Store and Dwelling, 1543 North Thirteenth street, \$700. Frederick Hanaman (O), 1541 North Thirteenth street. A. Raymond Raff Co. (C), 1635 Thompson street.

Store and Dwelling, 2506 Fairmount avenue, \$600. John Semmich (O and C), on premises.

Junk Shop, 1602 Kater street, \$550. T. C. Botwright (O and C), 829 Corinthian avenue.

Manufacturing Building, 4067 Warren st., \$800. Chas. A. Hoover (O), 4072 Lancaster avenue. John L. Fenimore (C), Collingdale, Pa.

Store and Dwelling, 1734 CCallowhill street, \$1,500. F. C. Hubbell (O), on premises. K. Joffe (C), 960 North Seventh street.

Dwelling and Office, York Road and Butler street, \$1,000. James Welsh (O), on premises.

Our specialty is Portland Cement that will stick and pass the City Department. **DAVID FRANCE CO.,**  
Tasker Street Wharf, Delaware River, Philadelphia.



New York. W. John Stevens, Inc. (C), Wyncote, Pa.

Factory, 2411 West Norris street, \$7,800. Standard Dental Manufacturing Co. (O), on premises. Philip Haibach Cont. Co. (C), 1261 North Twenty-sixth street.

Store and Dwelling, 2040 Ridge avenue, \$2,000. M. Sherman (O), 2226 Montgomery avenue. Wm. Ariff (C), 352 Gladstone street.

Factory, 836 North Third street, \$400. Wilkie Co. (O), on premises. Smith-Hardican Co. (C), 1606 Cherry street.

Store and Dwelling, 228 Carson street, \$750. V. Wiesrieski (O), on premises. Edw. Miller (C), 176 Levering street.

Dwelling, 1816 Tulip street, \$1,050. G. Thomas (O), 1532 East Montgomery avenue. Arthur S. Brown (C), 1903 East Clearfield street.

Garage, 677 Preston street, \$1,200. James Gartside (O), 719 North Fortieth street. Maurice Nichols (C), 761 North Fortieth st.

Store, 1705 Chestnut street, \$300. Hansecom Bros., on premises. W. F. Dougherty & Son (C), 925 Arch street.

Garage, 204 East Gorgas street, \$500. Thos. B. Meehan (O), on premises. P. A. Sovensen (C), 1133 Callowhill street.

Store, 508 South Eighth street, \$400. Chris Gallagher Co. (O), on premises. Chas. H. Zebley (C), Pine and Quince streets.

Dwelling, 1756 North Thirty-first street. N. Levner (O), 1804 North Thirty-first street. H. B. Hastings (C), 3102 Suclid avenue.

Club, 1317 Spruce street, \$300. Engineers' Club (O and C), on premises.

Laboratory, 1720 Lombard street, \$800. Dermatological Research Laboratory (O), on premises. D. Kolodner (C), 416 Federal st.

Store and Dwelling, Eleventh and Wallace streets, \$300. B. Meirs (O), on premises. M. Sussman (C), 980 North Seventh street.

Stable, 922 North Sixty-eighth street, \$500. Tony Repite (O and C), on premises.

Dwelling, 1536 South Carlisle street, \$300. O. Espano (O), on premises. S. Tillitte (C), 922 Greenwich street.

Hat Factory, Germantown avenue, north of Columbia avenue, \$550. John B. Stetson (O and C), Fifth and Montgomery avenue.

Store and Dwelling, 2149 Ridge avenue, \$300. I. Comer (O), on premises. J. Newborn (C), 2019 North Eighth street.

Store, 2507 West Lehigh avenue, \$600. Edw. L. Kurtz (O), on premises. Chas. D. Land (C), Twenty-eighth and Cambria streets.

Store, 5209 Market street, \$780. Boyer Bros. (O), Seventeenth and York streets. Harry Sargian (C), 1585 North Fifty-second street.

Dwelling (alts.), to Apartments, 4930 Germantown avenue, \$1,700. John T. Conlin (O and C), 5340 Germantown avenue.

Garage, north side of Cumberland street, east of Broad, \$300. Chas. Cameron (O), Broad and Cumberland streets. Warner Bros. (C), 1113 Cherry street.

Garage, 1008 South Forty-sixth street, \$350. Thos. F. Slattery (O), on premises. John P. Fallon (C), 449 South Sixtieth street.

Dwelling, 328 Carson street, \$700. Al Gryn (O), on premises. Edw. Miller (C), 176 Levering street.

Stable, 352-56 North Second street, \$18,000. Goldfine Bros. (O), 621 North Seventh street. M. Kirshner (C), 421 Snyder avenue.

Dwelling, Germantown and Chestnut avenues, \$3,800. Misses Owen (O), 214 South Fifteenth street. John E. Walt (C), 204 East Willow Grove avenue.

Dwelling, 1820 Plum street, \$900. Gustav Wilke (O and C), on premises.

Dwelling, Twenty-first and Spruce streets, \$700. J. Cadwalader (O), 331 South Sixteenth street. W. O. Springer (C), 1624 Latimer street.

Foundry, south side of Bartram avenue, west of Eighty-second street, \$500. Philadelphia New Method Moulding and Metal Corp. (O and C), on premises.

Bakery, 2609 Edgemont street, \$1,000. Carl Maultz (O), on premises. John W. Janyszek (C), 3169 Felton street.

Dwelling, 3834 North Sixth street, \$550. Paul Petrilli (O), on premises. Fred Picarri (C), 3752 North Randolph street.

Dwelling, 112 West York street, \$400. Samuel Schwartz (O), 116 West York street. Thos. Matthews & Son (C), 2336 Hancock street.

Store and Dwelling, 1025 South Ninth st., \$3,000. Frank Roma (O), 818 South Eighth street. Tony Bressi (C), 1141 Linn street.

Dwelling, 5224 Greene street, \$5,700. Albert E. Bacon (O), on premises. I. S. Dunkelberger (C), 71 Herman street.

Dwelling, Oxford Pike and Gilham street, \$3,000. Dorie Kirmese (O), on premises. M. Stevens (C), 916 St. Vincent street.

Dwelling, 3029 Coulter street, \$5,000. Wm. G. Warden (O), on premises. Frederick Elvidge & Son (C), 5522 Germantown avenue.

#### AS THE EDITOR SEES IT.

(Continued from Page 226.)

second annual convention of the American Institute of Architects which is to be held in Nashville, Tenn., on April 30, May 1 and 2.

Delegates: C. L. Borie, Jr., D. Knickerbocker Boyd, John I. Bright, Arthur Brookie, Albert Kelsey, Charles Klaunder, John H. Rankin, E. V. Seeler, Frank R. Watson.

Alternates: G. H. Bickley, Elliston P. C. Bissell, Wilson Eyre, Edmund B. Gilchrist, John McA. Harris, Leicester B. Holland, George I. Lovatt, Robert R. Goodwin, Thomas Nolan, George Page, C. C. Zantzing.

The headquarters of the delegates will be at Hermitage Hotel, and the sessions of the convention will be held in the State Capitol, the use of which has been extended by the authorities of the State.

The principal matters before the convention this year will be the reports from the various Post War Committees throughout the country affecting the architectural profession, the building industries and the public in general as a consequence of the great conflict.

America stands supreme in the development and use of advertising, and advertising is the seed which by implanting desire produces the fruit of social advancement. Education promotes efficiency and efficiency in turn makes possible higher earning power, higher purchasing power and improved living conditions.

All live men are advertisers, and the only man who should not advertise is the man who has nothing to offer to the world in the way of human service, and such a man is a dead one, whether he knows it or not. Advertising is a legitimate and ethical proposition. Life is too short for you to hide yourself away, mantled in your modesty, and let the world hunt you out. Even the dead are advertisers, for on visiting a beautiful cemetery the other day, I noticed that on nearly every marble slab was given a list of the virtues, talents and beautiful qualities which the dead man was supposed to have carried in stock. This is what you call non-productive advertising, or advertising from an emotional standpoint.—Elbert Hubbard.

Don't crowd your space, Mr. Advertiser. Better play up one selling point at a time than to try to get everything into one ad. and kill every possible chance for display. An ad. should stand out. It should be easily read. It should draw the attention of the reader. A carload of detail can't be crowded into a few inches of space and still retain the quality of sticking out as all good advertising should.

The valuable man in any business is the man who can and will co-operate with other men. The foreman who opposes the introduction of a new man into an institution and fights every innovation which he himself does not suggest, is doomed to a gradual and creeping defeat. Men succeed only as they utilize the services and ideas of other men. Co-operate!

Man and the giraffe are the only two living things that can't swim naturally. Throw a day-old kitten into the Mississippi and it will paddle its way to shore. The giraffe can't swim because he's not built that way. Man can't swim, just because he is afraid. The chances are that the reason you are not in the swim—financially or otherwise—is because you are afraid.—Glen Buck.

In the construction of the steel frame for the Statler Hotel at St. Louis, Mo., last year steel erection proceeded at the rate of two stories every 4½ days. The building is 150x130 feet, 20 stories high and contains 4,500 tons of steel, 700 tons of which were used in the basement. A 10-hour shift was worked for the first few weeks. The steel erection was done with two 12-ton gyped derricks.

Ideals are like stars; you will not succeed in touching them with your hands, but like the seafaring man on the desert of waters, you choose them as your guides, and, following them, you reach your destiny.—Carl Schurz.

Portland Cement, Sand or Gravel by carload. Consult DAVID FRANCE CO.,  
Tasker Street Wharf, Delaware River, Philadelphia.



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Face, Etc.).

O. W. Ketcham.....Builders' Exchange, Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.  
Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.  
Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.  
Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.  
General Fireproofing Co. 512 Bulletin Bldg., Phila.  
Henry S. Harris.....Land Title Bldg., Phila.  
Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truseon Steel Co....Commonwealth Bldg., Phila.

## Floor Plates.

Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.  
Morris Wheeler & Co. 30th and Locust sts., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co. 1332 Arch st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.  
Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

Richardson and Boynton Co. 1332 Arch st., Phila.

## Insurance.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.  
Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.  
Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Iron and Steel Bars and Plates.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Levels.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Light Iron Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lumber.

Wm. Lloyd Co.....29th and Ridge ave., Phila.  
James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.  
Italian Marble Mosaic Co...433 Spruce st., Phila.  
Roman Mosaic and Tile Co. 435 Green st., Phila.

## Metal Lath.

Audubon Wire Cloth Co., Inc....Audubon, N. J.  
Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.

General Fireproofing Co. 512 Bulletin Bldg., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truseon Steel Co....Commonwealth Bldg., Phila.

## Metal Lath Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Metal Tiles and Shingles.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Meters.

Philadelphia Meter Co.,  
Real Estate Trust Bldg., Phila.

## Mill Supplies.

The Fairbanks Co.....7th and Arch sts., Phila.

## Paints and Varnishes.

The Barrett Company,  
New York and Philadelphia.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

## Pipe Fittings and Valves.

The Fairbanks Co.....7th and Arch sts., Phila.

## Plumbing Fixtures.

Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Preservatives (Wood and Concrete).

The Barrett Co.....New York City and Phila.

## Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co. 1332 Arch st., Phila.

## Refrigerators.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.

## Reinforcing Bars.

Morris Wheeler & Co. 30th and Locust sts., Phila.  
Truseon Steel Co....Commonwealth Bldg., Phila.

## Roofing.

The Barrett Co.....New York City and Phila.

## Roofing Tile.

O. W. Ketcham.....Builders' Exchange, Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Roofing Tin.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Roofing Slate.

William Moore Co.....1506 Sansom st., Phila.

## Safety Guards.

Kensington Metal Co.....1612 N. 2nd st., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

## Screens.

Thos. J. Malia.....141 Wentz st., Phila.

## Slate.

William Moore Co.....1506 Sansom st., Phila.

## Soundings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Structural Slate.

William Moore Co.....1506 Sansom st., Phila.

## Structural Steel.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Surety Bonds.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.  
Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Tile and Terrazzo Work.

Belfi Bros. & Co.....1923 Market st., Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

Italian Marble Mosaic Co...433 Spruce st., Phila.  
Roman Mosaic and Tile Co...435 Green st., Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Tiling.

William Moore Co.....1506 Sansom st., Phila.

## Transits.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Ventilators.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Wall Board.

## Ceil Board.

James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Water Paint.

Wm. B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Waterproofing.

The Barrett Co.....New York City and Phila.

## Water Supply.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Weather Strip (Metal).

American Metal Weather Strip,  
2118 Diamond st., Phila.  
Thos. J. Malia.....141 Wentz st., Phila.

## Wheelbarrows.

The Fairbanks Co.....7th and Arch sts., Phila.

## Wire Work.

Audubon Wire Cloth Co., Inc....Audubon, N. J.  
Kensington Metal Co.....1612 N. 2nd st., Phila.



1792

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1919



## Insurance Company of NORTH AMERICA PHILADELPHIA

### ASSETS

|                                      |                 |
|--------------------------------------|-----------------|
| Bonds and Stocks.....                | \$24,280,745.19 |
| Cash in Banks.....                   | 2,395,335.33    |
| Premiums in course of transmission.. | 3,203,681.96    |
| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

### LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

Total Liabilities ..... \$30,801,413.40

Surplus to Policyholders..... \$ 12,922,516.93

Losses paid since organization 203,147,689.78

### The Oldest American Stock Insurance Company

Fire Insurance  
Tornado  
Sprinkler  
Explosion  
Inland Transit  
Salesman's Floater

Automobile  
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TRADE MARK  
Reg. U. S. Pat. Office

## Expanded Metal, Metal Laths, Self-Sentering, Fireproof Building Specialties and Waterproofings

Are you familiar with the economy features of these materials? If not let us supply you with details and quote you on your requirements.

### THE GENERAL FIREPROOFING CO.

512 BULLETIN BUILDING  
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Prompt Deliveries from our Philadelphia Warehouse

# BUILDERS' SUPPLIES

To be assured of prompt deliveries of the best grades of

## Cement, Lime, Sand, Gravel, Plaster, Concrete Stone and Pebbles

Place your orders with us. We have for years satisfied our customers. WHY NOT YOU?

**P. H. FAIRLAMB CO.**

115 to 121 S. 30th Street  
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## The "OWN YOUR HOME"

Exhibit to be held at the First Regiment Armory during the week of April 21 to 26 will display many efficient, useful, labor-saving appliances for the home. In our Exhibition spaces, 38 and 39, we shall display

ADELPHIA Pipeless Warm Air Furnace      ADELPHIA Twin Fire Combination Coal and Gas Range  
Direct Action Cabinet Gas Range

Sterling-ADELPHIA Porcelain lined Refrigerator      Pittsburg Instantaneous Gas Water Heater  
Crown ADELPHIA Coal Tank Heater      Crown ADELPHIA Garage Heater

All of these appliances represent the most modern and approved types of Heating and Cooking Appliances.

**BORDEN STOVE CO.**

1311-1313 Arch Street

**PHILADELPHIA**



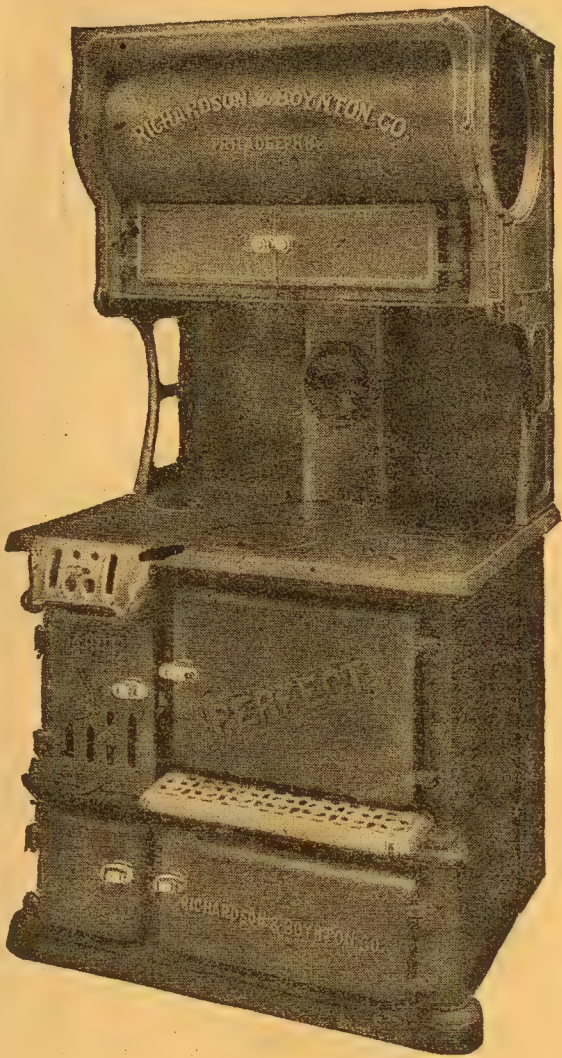
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 18  
April 30, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

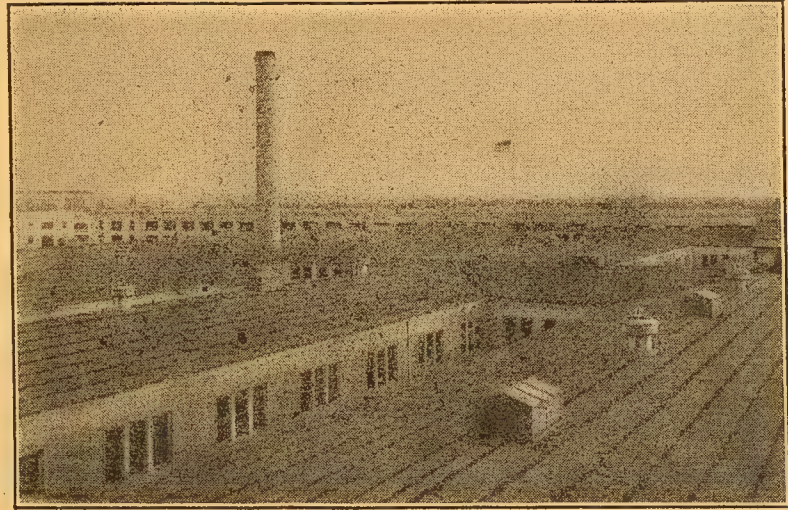
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15 CENTS PER COPY



## Delivery Same Day Order is Received

This is one of the famous  
**RICHARDSON Products**

Public Showroom:  
1332 Arch St., Philadelphia



The illustration shows the installation of the famous "Star" Ventilator on the War Trade Board Building, Washington, D. C.

### "STAR" VENTILATOR (Patented)

The "Star" Ventilator was adopted by the U. S. Government as its War Standard for cantonments and other important buildings, on account of its **HIGH EFFICIENCY** and **SIMPLICITY**.

The Thousands of "Star" Ventilators in use on public buildings, schoolhouses, mills, warehouses, and similar structures throughout the country, proves their superiority over other types.

We also manufacture Evans "ALMETL" Fire Doors and Shutters, Metal Tiles and Shingles, approved by the U. S. Gov., and High Grade Roofing Tin.

**IMPORTANT**—Mark your Inquiry for Dept. 20

## MERCHANT & EVANS CO.

NEW YORK PHILADELPHIA WHEELING  
BALTIMORE ATLANTA CHICAGO  
CLEVELAND ST. LOUIS  
KANSAS CITY



# THE NATIONAL CEMENT



"CONCRETE FOR PERMANENCE"

Philadelphia Headquarters, Finance Building



WRITE, WIRE OR PHONE  
FOR VALUABLE CATALOGUE

## IMMEDIATE DELIVERIES

from our large

## PHILADELPHIA WAREHOUSE

REINFORCING BARS—Cut to Length  
or Fabricated  
DIAMOND MESH LATH  
HY-RIB and RIB LATH  
CORNER BEAD and CURB BARS

## TRUSCON STEEL WINDOWS

TRUSCON STEEL COMPANY  
Formerly TRUSSED CONCRETE STEEL COMPANY  
810 Commonwealth Building  
Philadelphia





### An important part of a fence is in the ground

It's the anchorage of the posts that determines whether the fence will keep its alignment and stand straight and true after years of service.

### ANCHOR POST FENCES

are built on anchor posts which are driven into the ground and then held rigidly erect by two Anchor stakes driven diagonally through slots clamped to the sides of the posts.

Iron Railings and Entrance Gates, Lawn Fences, Tennis-Court, Poultry and Kennel-Yard Enclosures, Arbors, Trellises, and Flower-Bed Guards. Catalogues of any or all are yours upon request.

### Anchor Post Iron Works

W. S. SLACK, Manager  
Real Estate Trust Bldg., Phila.



## O. W. KETCHAM

Manufacturer of

Ornamental Terra  
Cotta

Face Brick

Hollow Tile

Paving Brick

Roofing Tile

Philadelphia, 24 S. Seventh St.  
New York, 1170 Broadway  
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

### POMEROY CONSTRUCTION CO.

Building Construction

Let us figure on YOUR building work

1609 Ranstead Street, Phila.

## FACE and CUT STONE

HOLMESBURG GRANITE CO.

Commercial Trust Building  
PHILADELPHIA



Wells - Soundings  
Test Borings

Artesian Well  
Drilling Co.

Real Estate Trust Building, Philadelphia

## Belfi Bros. & Co.

Marble  
Mosaic



Terrazza and  
Ceramic Mosaic

Tiles for Floors and Fireplaces  
Interior Marble Work  
Mantles, Marble and Wood

1923 Market Street  
PHILADELPHIA

Branch Office, Allentown, Pa.  
225 COMMONWEALTH BUILDING

Base and Floor  
one continuous  
piece



## MINERAL FLOOR

should be used wherever a sanitary floor is desired. Practically noiseless, it is the ideal floor for schools, public buildings, railway stations, stores, kitchens, etc.

Damp, Fire and Vermin Proof

WE LAY THIS FLOOR ANYWHERE  
Information and samples on request

Philadelphia Mineral Flooring Co.

5632-34 Summer Street  
Philadelphia, Pa.

## Whitewashing

and

## Water Painting

SPECIFY

## Analo Powder Paint

Whether applied by brush or machine, if done by our corps of trained artisans you are sure to get the best work at the lowest possible cost. Better see us today. "Let there be light."

WM. B. SOUTHERN

Manufacturer and Contractor

N. W. Cor. 12th and Spruce Sts.

PHILADELPHIA

Both Phones

# Daily Building News

Reliable, Advanced,  
Confirmed, Up-to-  
the-Minute, Infor-  
mation on Proposed  
Building Work in  
Philadelphia, East-  
ern Pennsylvania,  
Southern New Jer-  
sey and Delaware.

Let Us Show You  
How You Can Use  
This Service to In-  
crease Your Business.



## Building News Publishing Co.

Perry Building, Philadelphia

Bell Phone, Spruce 1611-12  
Keystone, Race 2799



## METAL LATH

Channels, Angles, Tie Wire, Corner Beads

## MACHINE GUARD SUPPLIES

Expanded Metal, Perforated Metal, Angles, Rivets  
Bolts, Washers, Cleats, Whitney  
Punches and Dies

TANKS { WELDED  
FORMED

## IRON AND STEEL

of every description

## Galvanized Roofings and Sidings

Perforated and Expanded Metals

## The Harold McCalla Co.

General Offices:—531-33 N. Fourth St.  
PHILADELPHIA

### WAREHOUSES:

444-48 Fairmount Avenue, 1911-13 N. Second Street,  
438-40 Brown Street, 531-33 N. Fourth Street.

## CARTER CONCRETE

The Kind That Lasts

**Carter Concrete** PAVEMENTS,  
FLOORS, CONSTRUCTION—BUILT BY  
SPECIALISTS SINCE 1888—BUILT TO  
PREVENT CRACKING, CRUMBLING and  
DECAY—BUILT TO LAST.

ORIGINAL COST OF **Carter Con-  
crete** LOW—UPKEEP COST NEGLI-  
GIBLE.

SPECIALISTS IN CONCRETE ROADWAYS

*One of our Engineers will help  
you in Concrete Problems and  
gladly give you an Estimate.*

CARTER PAVING COMPANY

639-41 N. 18th St., Philadelphia, Pa.

## Bricklayers, Masons, Plasterers

DO YOU

use the hod carrying  
method of elevating  
brick, mortar, cement,  
etc.? It's too old fash-  
ioned—too slow and cost-

ly—for present day building work.

"LITTLE GENERAL" MATERIAL ELEVA-  
TOR HOISTS are used by dozens of bricklayers in  
Philadelphia, who used to rely on the hod carrier  
method, which was expensive and unsatisfactory.  
Now they use a "LITTLE GENERAL" and save  
money.

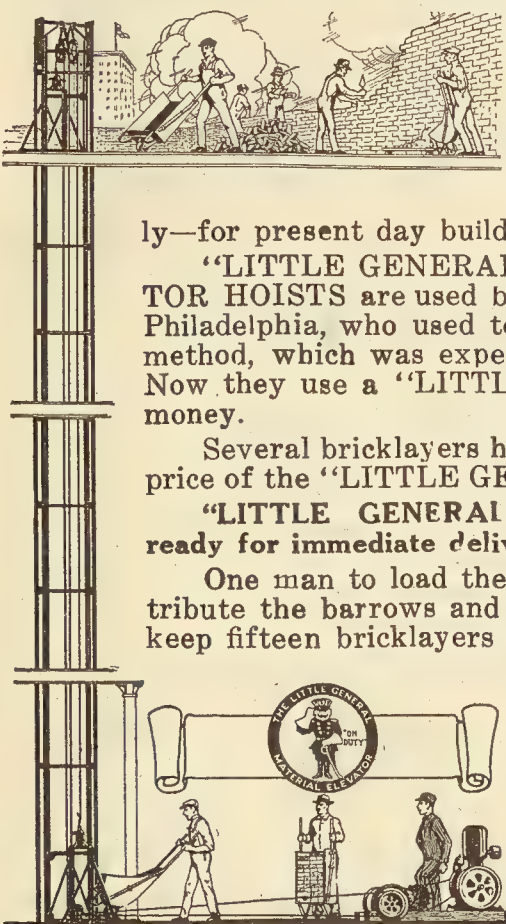
Several bricklayers have told us they saved the  
price of the "LITTLE GENERAL" on the first job.

"LITTLE GENERALS" in Philadelphia stock  
ready for immediate delivery.

One man to load the elevator, one man to dis-  
tribute the barrows and one man at the hoist will  
keep fifteen bricklayers hustling.

Elevator operates in  
an opening 26" x 60".  
Easy to erect, easy to  
take down and move,  
convenient to store.

Phone for prices and  
special discount.



## SERVICE EQUIPMENT COMPANY

Bourse Building, Philadelphia, Pa.

Lombard 490

# Let's Go

Liberty **V** Loan

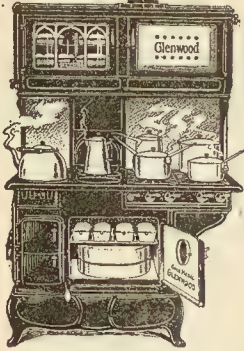
The Boys of the  
**BUILDERS EXCHANGE**

Want Your Help

## Pearce Fireproof Co.

1345 Arch St., Philadelphia

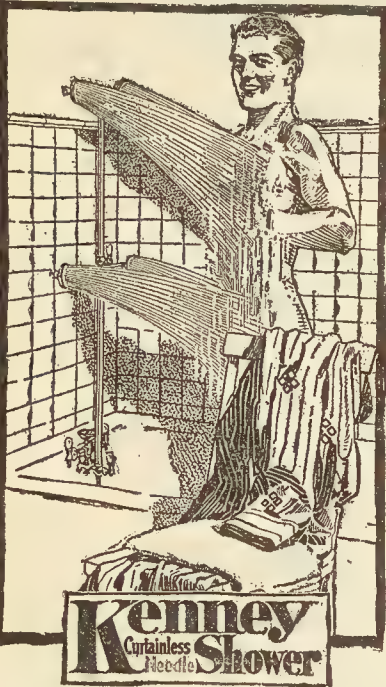




## Henry M. Miller

### GOLD MEDAL GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges  
Seamless Porcelain Lined Refrigerators  
46-48-50 N. SECOND STREET, PHILA., PA.



## The Shower for Everyone

Here is a Shower everyone can enjoy. Will not wet the hair. Bathe in pure, running water—No tub to clean—Nothing to wear out. NO CURTAIN. NO SPLASH. The converging streams cause the water to hug the body. No splashing outside the tub. Eliminates messy curtain.

**Kenney Showers**  
\$7.50      \$15.00

See our Running Water Display

**FLECK BROS. Co**  
Plumbing and Heating Supplies  
Display Rooms  
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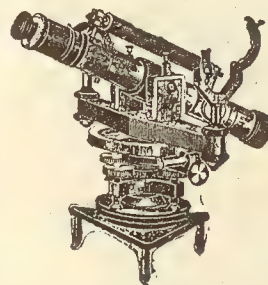
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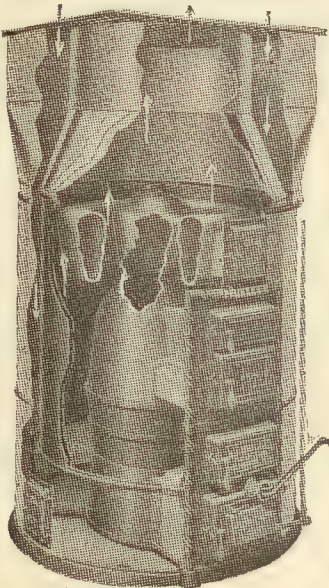
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 18

PHILADELPHIA  
April 30, 1919

## BUILDERS' GUIDE

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## As The Editor Sees It



THE editor is in receipt of the following most interesting letter from Mr. D. Knickerbacker Boyd, widely known architect of Philadelphia. If the apathy charged by Mr. Boyd exists, is it not time that architects awaken to the opportunities and responsibilities which have come to them with the advent of the post-war period. "In a recent issue of the highly prized *Bulletin* of the much-alive Illinois Society of Architects," says Mr. Boyd, "I note the following:

"Every architect should read and study the addresses given before the Reconstruction Conference of the Chamber of Commerce of the United States.

"With this statement I heartily agree, but it only emphasizes the thought I have had in mind without the time to express it sooner, and offers me the opportunity to set it down in the form of a few remarks to you. Let me entitle them: 'Architects of America, Where Are You?'

"When the Reconstruction Conference to which you refer was called by the Chamber of Commerce of the United States, its purpose was given the widest publicity; and literature, including programs and invitations to participate, were sent broadcast throughout the country. I know that architects were included, for I called upon the Chairman of the War Service Committees of the Chamber of Commerce in Washington to be sure of this.

"You will readily realize that to as-

semble the Nation's industries was a stupendous task and to effect this a very comprehensive program was worked out.

"The meetings began with the assembling of 350 or more War Service Committees at general sessions, then in groups of 35 related industries, and finally in groups of 10 major industries.

"In these, every branch of building material and construction interests was scheduled for representation, which fact in itself, one would think, should have interested some architects out of the nearly 6,000 which are presumed to exist in America.

"To make sure that those ostensibly interested in the source and nature of building materials and in the appropriate use of such materials were afforded representation, one of the related group meetings the first day was assigned to 'Engineers, Architects, Accountants and Specialists,' another to 'Trade Papers, Magazines and Newspapers.' These two groups, which included also real estate men, fire prevention authorities, and others, met the next day and evening as a combined major group under the classification, 'Industrial Professions.'

"Surely you, who are wide-awake enough to say that the addresses delivered at this conference should be read by architects, would assume that with these preparations made for architects to participate in the deliberations, there would at least be a fairly representative gathering of this profession.

"You would perhaps imagine that if in-

dividual architects did not participate, that the one representative organization of the profession would have present, let us say, the Chairman or a member of the Committee on Structural Service, or the Committee on Materials and Methods, or on Fire Prevention, or if no others, the Committee on Public Information, or you might assume that the Journal of the Institute, whether as the 'organ' of the profession or as a 'popularized version' would be there. But it was not.

"And will you believe me when I tell you that at the one afternoon session and two evening sessions there was but one architect present, namely, the writer? And I could not stay long at any of these meetings, for I was representing the United States Housing Corporation, which, with characteristic enterprise, sent its Chief of Materials Information Section to this conference to attend as many of the meetings on building materials as possible.

"That many things of value eventuated, however, is evident from what you said in the paragraph with which this letter opens, under which would fall the very excellent address of the Chairman of our first meeting on 'Human Engineering in the Reconstruction Program,' by J. Park Channing, of the Engineering Council, in addition to which, I would call your attention to resolutions on Housing, Fire Prevention, Transportation and other subjects in which *architects should be interested*. The question is, ARE THEY?

"Were this an isolated case of non-

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participation of architects in affairs where their training and experience should make it an obligation to their conscience and their country to attend, it might be ascribed to the prejudices of the present president of the Institute of the Chamber of Commerce.

"But that such is not wholly the case, let me proceed with some questions which I hope you will find occasion to address to the architects of America through your columns, with this understanding: That they apply less to members of the Illinois Society than to the architects of almost any other section that I know of. There are some signs of activity being evidenced in certain other quarters; least noticeably so, however, I regret to say, in Philadelphia, where the Chapter has, among other things, resigned its membership in the American Society for Testing Materials just as I was about to suggest to other Chapters of the country that they consider joining this most important organization and following the lead of the Illinois Society and the Cincinnati Chapter. Not for the sake of the Chapters, mind you, but to afford their members opportunities to take their very necessary parts in the Committee activities and deliberations of this Society which is doing so much for the users of building materials with the most meager assistance of architects. Five is the number 'present' in this case, out of six thousand, of which but two, Professor Thomas Nolan and the writer, were present at its last Convention in Atlantic City. Read the list of papers and reports submitted then, many of them having the most vital effect on building construction, none of which were mentioned in the Journal of the Institute. Do you wonder I say again, *Architects, Where Are You?*

"And the Philadelphia Chapter has also resigned its membership in the National Fire Protection Association, reducing the fifty architectural representatives to forty-nine in an organization which, primarily organized for the protection of property, is now the most important in this country concerned with the safety of the occupants of buildings.

"Its last Convention was fairly well attended because it was held in Chicago, but how few architects even at that show, by membership and attendance, their interest in this most important phase of human welfare.

"But I am getting along too fast, and in order to adhere somewhat to chronological order will ask you to go back with me to April, 1918, and, reading from the Proceedings of the Convention of the Institute, note the following remarks with which Mr. E. J. Russell closed his paper in 'The Building Situation.'

"If we would unite we would be in a splendid position after the conclusion of

the war to insist upon and obtain a department of public works, something we all recognize is greatly needed.

"From an educational standpoint, the benefits would be tremendous. We would be educating ourselves and those engaged in the building business, and through that mutual education would come also the education of the public. We could also improve the standards of building and incidentally reduce the losses by fire. There has been in the last few months a well-defined movement looking towards a federation, and the word has gone out that that may be a success, providing it may have the leadership of the architects, and that is what I wish you to consider most carefully. To my mind it is the most vital thing that has come up in connection with our profession for many years.

"We are in a position to take the leadership, to earn the title of master builder. If we do not do it, we have lost a golden opportunity and we will have no one but ourselves to blame.'

"Then read the remarks made by the retiring President, Mr. J. Lawrence Mauran:

"The American Institute of Architects has accepted the task of initiating a national conference shortly to be held, to which representatives of all factors in the building industry will be invited to come and take part in a discussion, first, of a plan for organizing this really tremendous undertaking, and, second, of providing the ways and means for putting that plan rapidly under way.

"When the extent and possibilities of the service which may be rendered to the Nation are considered, the profession of architecture may well feel proud that, almost by tacit consent, the task of initiating and helping to guide this work has fallen to the American Institute of Architects. Plans are already maturing for the calling of a conference and the incoming Board of Directors is pledged to the carrying out of this momentous project.'

"This 'most vital thing that has come up in our profession in many years'—this 'momentous project,' has come to naught so far as architects are concerned through the action, in calling it off, of two men, the present President of the Institute and the editor of the *Journal*.

"When the Federation was brought into being very shortly thereafter by the Chamber of Commerce of the United States, architects were asked by the President of the Institute to stay away from the meeting, and when the organization meeting of the National Federation of the Construction Industries was held in Atlantic City, on December 9, 1918, how many architects were on hand to offer counsel or take part in discussion? Just

three! Mr. Fullerton, of the Gorham Manufacturing Company inquired about the lack of architects in such an organization of the building industries, and was informed by the Chair that the architects had been invited to participate or affiliate but had not as yet done so.

"Let us consider the case of concrete—surely architects should manifest an active interest in its development and use. But when the writer was sent to the last Convention of the American Concrete Institute by the progressive United States Housing Corporation to ascertain latest data on the use of concrete in house construction he found but one other architect there. A paper was read by an architect and a paper was to have been presented by another architect, neither of whom are members of the Institute.

"Take the matter of educational institutions and buildings. How many architects attended the Convention of the American Educational Association in Atlantic City? I have only heard of two, one of them not a member of the Institute, who is Chairman of an important committee on standardization of school-house construction. How many architects are members of this Association I do not know.

"Take also the matter of safety. At the last Convention of the National Safety Council held in St. Louis, a special session was devoted to safety during building construction. I hope that some architects were there to take part in discussion if not to address the meeting. I have no knowledge that they were, nor have I heard that the Institute took cognizance of the meeting through its Committee on Structural Service or its Committee on Materials and Methods.

"I do know that when on January 15 of this year the Bureau of Standards called a conference on National Safety Codes, I was the only architect present of about one hundred men who were there, chiefly engineers and others interested in structural matters, as well as several men who like myself represented the Department of Labor. I understand that the Institute was invited, but can you possibly tell me why it was not represented with many men so well qualified to act right in Washington at the time?

"And so it goes, over and over again, the same story. I could mention many other instances where nationally and locally we as architects fail to take our part in the affairs of the world.

"We have a 'Post War' Committee, headed by your Mr. N. Max Dunning—no, our Mr. N. Max Dunning (and a finer leader could not be found). But while it is performing its fine work, for which there is great need, why all this inaction on the part of the Institute and the profession?



"The opportunities surround us on all sides to make our impress and to perform public service. Why wait to be told by any Convention about some of the things we ought to be up and doing without delay.

"And what an opportunity for our own Committee on Public Information to get busy. It has been so inactive the past two years that the Board in its report to the last Convention urged that it become active, thereupon a new Committee was appointed which is identical with the Committee on Publications, and, instead of its activities expanding, they become ingrowing. The next thing we know the President proposes to the Board that the Committee on Public Information be eliminated, and now the Board asks for authority to withdraw \$10,000 from the Reserve Fund to pay for current activities.

"If the officers will perform the functions for which they were elected, and if the Board, the Committees and each individual member will do their parts to expound the interest and activities of the Institute and the profession, we can show the people of this country where the architects are, retain and reorganize the Committee on Public Information and 'reserve' the \$10,000 in the fund where it belongs and where it was intended to stay.

"Let us all say to ourselves firmly that we will get into the activities of the world and place our profession among the leaders, where it belongs, and in the words of our own Constitution, make it of ever-increasing service to society.

"I, for one, will welcome the opportunity, which has the past year been denied me by the President of the Institute, to assert my rights as a member, in criticising the editorial policy of the *Journal* of the American Institute of Architects."

THE Government has been widely advertising the urgent necessity of "building now" and emphasizing the folly of waiting for a most improbable drop in building prices. As evidence of its good faith, the Government has issued a statement from the Division of Public Works and Private Construction of the Department of Labor, showing that the Federal Government is planning to spend \$305,369,464 on public improvements, including \$266,000,000 for Federal aid for State roads by the end of the fiscal year 1921.

G. W. Buchholz, Acting Secretary, Associated General Contractors of America, criticises the Government's statement regarding this matter, "for," says Mr. Buchholz, "while it is a statement of fact that the Government will spend \$305,369,464 on public improvements and buildings, that fact will in no way im-

prove present conditions, as the bulk of this money will not be spent until the years 1920 and 1921. It seems to me, therefore, that this circular is put out with the intent of camouflaging the fact that our Government is not proceeding with public improvements as it should, did not release approximately \$93,000,000, which was contemplated for Treasury Department buildings, did not appropriate the \$750,000,000 which the railroad companies so urgently needed, and is, therefore, primarily the cause of the present large number of unemployed, and yet, paradoxical as it may seem, it is vigorously urging other people and private interests to spend their money and "Build Now."

\* \* \* \*

THE fact that a new price level exists has been by this time well established by various eminent authorities. The urgent need for building of all description is so very evident that it seems as though all doubt as to the advisability of building now should have disappeared.

In an address, "Are Prices Stabilizing," delivered recently before the American Institute of Architects, New York Chapter, T. S. Holden, Investigator, Economics Section, Division of Public Works and Construction Development, United States Department of Labor, summed up the situation most concisely.

"In conclusion," said Mr. Holden, "after a somewhat extended study of prices, it is the opinion of the Division of Public Works and Construction Development that a new price level has been established by economic conditions attending the world war, and that economic forces appear to have already acted to stabilize prices at a level below which they are not likely to fall by any appreciable amount in the near future. It is believed that the growing confidence in the future of business in this country, evidence of which is seen on all sides, is well justified by the facts that have been learned through the study of the price situation. Evidence of the stability of business today is the fact that during five months' period of stagnation, the number of business failures has been unusually low.

"At the present time there is less concern over high prices than there is with regard to the stability of prices. It appears that the wisest business men are those who decide now to go ahead with the construction of buildings and the production of goods; the need for both forms of activity are more imperative now than ever before.

The "Guide" is published weekly. It comes to your office fifty-two times in a year for five dollars.

## BUILDING MATERIAL PEOPLE TO CONFER

### Problems of Construction and Production Will Be Threshed Out by Real Estate Men

When the members of the National Association of Real Estate Boards gather in Atlantic City at their national convention in June they will be given a glimpse of the inside details of one of the unique post-war gatherings held in this country.

Virtually, one-third of the industries in the United States are engaged either in construction or the production of materials used in the construction of buildings, and on May 7, 8, scores of the biggest men interested in this industry will meet in Cleveland, Ohio, to discuss means for the restoration of all structural enterprises to pre-war activity. The real estate men will be represented by many members under the leadership of Louis A. Moses, of Cleveland, Chairman of the Committee of their national association, dealing with construction matters.

When Mr. Moses gets to Atlantic City he will lead the conference on housing and rebuilding. All of the information secured from the experts in all lines of construction and building material manufacture and sale will be digested, tabulated and given in detail at this conference, which will be followed by a general discussion. Action of the Chamber of Commerce of the United States at its convention at St. Louis on the reconstruction policy of the United States, as well as the conclusions of this rebuilding congress in Cleveland, will be analyzed and some definite action will be recommended to the real estate men's convention that the live men in the real estate profession may declare themselves definitely on the readjustment plans of the country in regard to rebuilding and readjustment of industry generally.

Full report of all the discussion at the Cleveland meeting will be all the more interesting, for all sides of the problem are to be represented. Among those who are expected to be present are Charles M. Schwab, Frank A. Vanderlip, Otto Kahn, Walker D. Himes, Samuel Gompers, Frank Morrison, and others.

It is surely an injustice to your workmen as well as a source of loss to yourself to supply poor tools in your shop equipment. No man can do anything approaching good work with tools that take the edge off enthusiasm. In shop management, as in most things, details are the whole cloth. Tools are like men. They do good work or they do not, according to the character which they possess. Character in tools is a matter of good materials, expert making and correct design.



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**College Buildings**, Broad and Berks streets, Philadelphia. Architect, Philip H. Johnson, 1713 Sansom street, Philadelphia. Owners, Temple University, Broad and Berks streets, chairman of Building Committee, Peroy Chandler, Franklin Bank Building. Architect selected. Too early for details.

**Store and Apartments (alts. and add.)**, 155-57 Cheltenham avenue. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, S. Fisher, on premises. Brick, 40x26 feet, second and third floors to 2 apartments, slag roof, oak floors, hot water heating, electric lighting, tile and marble work, prism and plate glass, hollow metal skylights, metal bulks, plumbing. Owner taking bids, due as soon as possible. A. Bershofsky, 545 North Seventh street, is figuring.

**Store Building (alts.)**, northwest corner of Fifteenth and Fairmount avenue. Architect, Le Roy K. Rothschild, 1220 Sansom street, Philadelphia. Owner, Benjamin Barrow, care of architect. General interior alterations, changing partitions, doors, new lighting fixtures, maple floors, metal bulk, plate glass. Architect taking bids, due May 3rd. M. Yellin, 712 North Franklin street; Davis & Clayton, 1817 North Twentieth street; Fred Quate, 1323 Snyder avenue, are figuring.

**Residences (18)**, south side of Nassau street, Overbrook, Philadelphia. Architect, private plans. Owner, James N. Mitchell, Forty-sixth and Market streets. Brick, 2 stories, 16x45 feet (garages in basement), slag roof, hardwood floors (parquetry), hot water heating, combination lighting, tile and marble work. Owner is taking approximate sub-bids.

**Store (alts.)**, southeast corner of Seventh and Ritner streets, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, H. Friedman, on premises. Flush bulks, store fixtures, tile and marble work, tile floor, plate glass. Architect has received bids.

**Residence and Garage**, Chestnut Hill, Philadelphia. Architects, Mellor, Meigs & Howe, 249 South Juniper street, Philadelphia. Owner, C. J. McManus, Wissahickon avenue and Carpenter street. Stone, 2 stories, 60x23 feet, wings 16x20 feet and 30x20 feet; garage, 1 story, 23x23 feet, slate roof, stone foundations, tile work (hot water heating and electric lighting reserved). Architects taking bids, due May 1st. H. H. Burrell, 206 South Quince street, R. C. Ballinger Co., 218 North Thirteenth street; Wm. H. Eddleman, 453 Green Lane; Wm. C. Wright, 22 Harvey street; Pringle Borthwick, 8018 Germantown avenue; Wills-Ludwick Co., 1708 Sansom street, are figuring.

**Dwellings (7)**, Forty-first and Parrish sts., Philadelphia, \$26,000. Architect, private plans. Owners, J. J. Kelly Cont. Co., Oak Lane, Philadelphia. Brick, 2 stories, 16x40 feet, 16x30 feet, 13x10 feet, 15x30 feet, 12x10 feet, 15½x40 feet, slag roof, hot water heating, electric lighting. Owners will build.

**Machine Shop (extension)**, Fifty-second

and Gray's avenue, Philadelphia. Architect, F. W. Constant, engineer, Princeton, N. J. Owners, Taylor Wharton Steel Co., on premises. Brick, cement and stucco, 1 story, 90x100 feet, gypsum tile roof, concrete foundations (steam heat reserved), rolled steel sash, metal lath, roof ventilators, waterproofing, millwork, structural steel and ornamental iron work. Architect taking bids, due May 2nd. Wark & Co., 1737 Filbert street; F. W. Mark Cont. Co., Finance Building; John N. Gill & Co., Otis Building; Wm. Steele & Sons Co., Sixteenth and Parkway; Warren Moore Co., Denckla Building, Philadelphia, are figuring.

**Dwellings (13)**, Sixty-second and Osage avenue, Philadelphia, \$50,650. Architect, private plans. Owner, A. Singer, 37 South Fifty-ninth street, Philadelphia. Brick, 2 stories, (9) 15x30 feet, 12x12 feet (4) 15½x42 feet, slag roof, hot water heating, electric lighting, oak and pine floors. Owner will build.

**Garage**, 3516 North Eighth street, \$2,900. Architect, private plans. Owner, Walter Smith, 3518 North Eighth street, Philadelphia. Brick, 1 story, 21½x14 feet, 18½x30 feet, slag roof, cement floor, electric lighting. Owner will build.

**Factory**, 4832 Merion avenue, Philadelphia, \$25,000. Architect, private plans. Owners, Brooks Bros. Co., 4720 Cedar avenue, Philadelphia. Brick, 1 story, 75x128 feet, cement floor, slag roof, electric lighting. Owners will build.

**Dwellings (6)**, 1114-24 Herbert street, Philadelphia, \$18,500. Architect, private plans. Owners, Rush Bros., 1100 Fillmore street, Philadelphia. Brick, 2 stories, (1) 16x45 feet, (5) 16x31, 13x13, slag roof, electric lighting, hot water heating. Owners will build.

**Dwellings (8)**, east side of Craig street, south of Solly avenue, \$24,000. Architect, private plans. Owners, Holmesburg Concrete Co., Holmesburg, Philadelphia. Brick, 2 stories, 14x35 feet, slag roof, hot air heating. Owners will build.

**Dwelling**, Eleventh street, south of Windrim street, \$3,000. Architect, private plans. Owner, J. F. Crowe, 3410 Almond street, Philadelphia. Brick, 2 stories, 16x47½ feet, asbestos slate roof, hot water heating. Owner will build.

**Traffic Stable (alts.)**, 1222-24 South Broad street, Philadelphia. Architect, Joseph A. Rolletter, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, City Hall. General alterations, slag roof, plastering, mill work, painting, plumbing, electric lighting. Lowest bid submitted by E. C. Durell, 1713 North Twenty-fourth street, Philadelphia, \$5,600.

**Residence (alts. into 5 Apartments)**, 43 W. Tulpehocken street. Architects, Stuckert & Co., Crozer Building, Philadelphia. Owner's name withheld. Brick, 3 stories, general alterations, tin roof, oak floors, new partitions, steam heating, electric lighting and fixtures, tile work, dumbwaiters, skylights. Architects

taking sub-bids, due as soon as possible.

**Stores (4) (alts.)**, 38-40-42-44 South Eighth street. Architects, Greisler-Abramson Co., Lafayette Building, Philadelphia. Owner's name withheld. General interior and exterior alterations to first floor, new bulks, tile work, hardwood floors, mill work. Architect will be ready for bids in a few days.

**Store (alts.)**, 807-09 Chestnut street, Philadelphia. Architects, Greisler-Abramson Co., Lafayette Building, Philadelphia. Owner's name withheld. Copper frames, glazing, bronze bulks, tile and marble work. Architects will be ready for bids in a few days.

**Residences (4 pairs twin)**, Jefferson street, between Sharpnack and Hortter streets. Architect, Andrew C. Borzner, 717 Walnut st., Philadelphia. Owner, Robert Killough, Wayne avenue and Duval street, Germantown. Stone, 2 stories, 16x47 feet, garages in basements, slate roof, oak floors, cement floors, hot water heating, electric lighting, tile and marble work, hollow metal doors. Owner will be ready for sub-bids in one week.

**Repairing Bridges**, various locations, Philadelphia. Architect, private plans. Owners, City of Philadelphia, Bureau of Highways, City Hall. Concrete and iron piling. Owners taking bids, due May 2nd. Robbins Cont. Co., Lafayette Building, Philadelphia, is figuring.

**Residences (4)**, Jefferson street, south of Hortter street, Germantown. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, Robert Killough, Wayne avenue and Duval street, Germantown. Stone, 2 stories, garages in basement, 16 feet 4 inchesx47 feet, slate roof, oak floors, cement work, hot water heating, electric light, tile work. Owner is taking sub-bids.

**Garage**, 6217 Girard avenue, \$2,000. Architect, private plans. Owner, Christian White, 511 North Sixty-third street. Brick, 1 story, 25x20 feet, slag roof, cement floors, electric lighting. Owner will build.

**Residences (28)**, both sides of Marlyn Road, north of Jefferson street. Architect, private plans. Owners, Moss & Taylor, Fifty-eighth and Girard avenue, Philadelphia. Stone and brick, 2 stories, 20x35 feet, slag roof, hardwood floors, hot water heating, electric lighting, tile and marble work, garages in basements. Owners are taking sub-bids.

**Factory**, Ontario and D streets, Philadelphia. Architect, Reuben Beard, 1311 Commonwealth Building, Philadelphia. Owner's name withheld. Brick or hollow tile, 3 stories and basement, 100x200 feet, asphalt composition roof, maple floors, stone foundations, steam heat, electric lighting, rolled steel skylights, kinneer doors, 2 freight elevators. Plans in progress.

**Restaurant (alts.)**, Broad and Girard avenue, Philadelphia. Architect, Reuben Beard, 1311 Commonwealth Building, Philadelphia. Owner's name withheld. Brick, 3 stories, 20x80 feet, addition 20x20 feet, tile and hard-



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wood floors, hot water heating, electric lighting, galvanized iron bays (5). Architect will be ready for bids in 10 days.

**Garage**, 2426-30 Germantown avenue, Philadelphia. Architects, Wm. F. Koelle & Co., Twenty-sixth and Oxford streets, Philadelphia. Owners, Breyer Ice Cream Co., Eighth and Cumberland streets. Brick, 1 story, slag roof, cement floors, sliding doors, stone and concrete foundations, ornamental terra cotta (heating and electric wiring reserved). Architects taking bids and sub-bids, due May 2nd. A. L. Fretz & Son, Heed Building, are figuring.

**Building**, Nicetown Lane and C streets, Philadelphia. Architect, Paul A. Monaghan, Drexel Building, Philadelphia. Owners, Mack Paving and Const. Co., on premises. Reinforced concrete, 3 stories, 60x40 feet, slag roof, reinforced concrete floors, hollow tile, iron stairs. Architect taking bids, due May 3rd. H. E. Baton, 1713 Sansom street; Monaghan & Losse, Inc., 3016 Chestnut street; Barclay White & Co., 1713 Sansom street; Warren-Moore & Co., Colonial Trust Building; Irwin & Leighton, 126 North Twelfth street; Melody & Keating, 1322 Race street, are figuring.

**Residence and Garage**, Westview and Wissahickon avenue, Germantown. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building. Owner, Henry P. Erdman, Land Title Building, Philadelphia. Hollow tile and plaster, 2½ stories, 39x29 feet, shingle roof, oak floors, stone foundations, hot air heat, electric light, tile work. Architects taking sub-bids.

**Barber Shop**, Northeast Corner Thirteenth and Chestnut streets, Philadelphia. Architect, J. E. Fieldstein, Penfield Building, Philadelphia. Owner, Ettore Capozio, 1323 Sansom street, Philadelphia. Tile floors, electric lighting, tile and marble work, metal ceilings, mirrors. Architect is taking sub-bids.

**Apartment House**, West Philadelphia, \$500,000. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building, Philadelphia. Owners, William Penn Apartments, Wm. H. Jacobs, fiscal agent, 206 Penfield Building. Brick, steel, concrete and granite, 16 stories, fireproof, 75x125 feet, tile roof, concrete foundations, steam heat, electric light, tile and marble work, concrete and oak floors, hollow tile, metal lath, elevators. Plans in progress. Architects will sub-let.

**Sunday School Building**, Eighth and Luzerne streets, Philadelphia. Architect, Albert Schenck, Real Estate Trust Building, Philadelphia. Owners, St. Simeon's Lutheran Church, Eighth and Luzerne streets. Brick and stone, 2 stories and basement, 64x62 feet, slate and slag roof, yellow pine floors, stone foundations, vacuum heat, electric light, tile work, metal lath, structural steel and iron work. Architect taking bids, due May 10th. Thos. C. Trafford, 1613 Sansom street; P. Haibach Const. Co., Twenty-sixth and Thompson streets; Henry P. Schneider, 4713 Old York Road; E. J. Kreitzburg, 1345 Arch street, and E. E. Hollenback, Inc., 1804 Brandywine street, are figuring.

**Residence (alts. and add.)**, 420 Allen Lane, Mt. Airy, Philadelphia. Architect, H. J. Wetherill, Cresheim Arms, Allen Lane, Mt. Airy. Owner, Herbert J. Wetherill, 7312 Bryan street, Mt. Airy, Pa. Stucco and brick, 3 stories, 68x20 feet, shingle roof, pine and oak floors, stone foundations, metal lath, iron work (heat, lighting fixtures reserved). Architect taking bids, due May 6th. F. B. Davis, 240 North Sixteenth street; H. E. Baton, 1713 Sansom street; Wm. C. Wright, 22 Harvey street; Pringle Borthwick, 8018 Germantown avenue; Samuel Harting, 20 East Johnson street; Alex. Caie, 48 East Chestnut avenue, Chestnut Hill, and Geo. S. Roth &

Sons, 230 East Gravers Lane, are figuring.

**Garage**, south side of Market street, east of Forty-ninth street, Philadelphia. Architect, Le Roy B. Rothschild, 1225 Sansom street, Philadelphia. Owners, care of Carl Wolf Miller, agent, Morris Building, Philadelphia. Brick, 1 story, 50x215 feet, stone foundations, steam heat, slag roof, electric light, plumbing, cement floors, millwork, hollow metal skylights, gasoline storage system, rolled steel sash. Architect taking bids, due May 5th at 10 A. M. Henry C. Dahl, 231 South Eighth street; Hyman Cooper, 411 Tasker street; Gus Hartman, Wayne, Pa.; Davis & Clayton, 1817 North Twentieth street; D. Henwood, 717 South Sixty-third street, and Standard Const. Co., 1713 Sansom street, are figuring.

**Residence and Store**, 1006 South Seventh street and 1009 Passyunk avenue. Architects, MacKenzie & Wiley, Liberty Building, Philadelphia. Owner, A. Pepe, on premises. Brick, 3 stories, 16x55 feet, slag roof, tile and composition floors, stone foundations, hot water heat, electric light, metal bulks. Architects taking bids, due May 6th at noon. M. H. McCloskey, Jr., 1620 Thompson street; Nicholas Scurci, 1218 Catherine street, and J. Gorchov,

4116 Girard avenue, are figuring.

**Cafeteria**, Bourse Building, Philadelphia. Architect, Wm. D. Hewitt, Bullitt Building, Philadelphia. Owners, Bourse Restaurant Co., Bourse Building, Philadelphia. Steam heat, tile floors, tile and marble work, plumbing, painting, kitchen equipment, chairs, tables. Architect taking new bids, due May 5th. Wm. R. Graham, 3649 Filbert street; Thos. Little & Son, 1709 Moravian street, and F. L. Hoover & Son, 1209 Cherry street, are figuring.

**Factory**, Tioga, Tulip and Weikel streets, Philadelphia. Architect, John J. Novy, Chicago, Ill. Owners, Liquid Carbonic Co., Chicago, Ill. Brick, 1 story, 108x66 feet, concrete foundations, composition roof, concrete floors, fire doors, iron work. Architect taking bids, due May 1st (revised). F. A. Havens, 845 North Nineteenth street; John N. Gill & Son, Otis Building, and Wm. Steele & Sons Co., Sixteenth and Parkway, are figuring.

**Dwellings (6)**, Fifth and Fisher's avenue, \$24,000. Owner, Wm. H. Ashton, 5600 North Mascher street, Philadelphia. Brick, 2 stories, 15x30 feet, 12x14 feet, slag roof, hot water heat. Owner will build.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Building**, 452 York road, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, Walter P. Miller, on premises. Reinforced concrete, 4 stories, 58x58 feet, slag roof, concrete floors and foundations (heating, plumbing, electric lighting and elevators reserved). Contract awarded to Robert E. Lamb Co., 843 North Nineteenth street.

**Residence**, Chestnut Hill, Pa. Architects, Martin & Kirkpatrick, 130 South Fifteenth streets, Philadelphia. Owner, John C. Gilpin, Chestnut Hill, Pa. Stone and brick, 3 stories, 40x120 feet, slate roof, pine floors, stone foundation, hot water heat, electric light, tile work. Contract awarded to Charles Gilpin, Harrison Building, Philadelphia.

**Dwellings (10)**, Stanwood and Hennig streets, Philadelphia, \$26,000. Architect, S. Andrew C. Borzner, 717 Walnut street, Philadelphia. Owners, Fox Chase Land Co., Hurnholme and Oxford avenue. Brick (2), 16x37 feet, and (2) 16x37 feet, 11x7 feet, slag roof, hot air heating. Contract awarded to W. E. Stroek, 7353 Oxford avenue.

**Residence**, West side of Bustleton avenue, North of Horsham road, \$3,600. Architect, private plans. Owner, Milton M. Depue, Somerton, Pa. Frame, 2 stories, 26x24 feet, slag roof, hot air heating, electric lighting, plumbing. Contract awarded to Fesmire Brothers, Huntingdon Valley, Pa.

**Factory (alts.)**, 43 South Second street, Philadelphia, \$4,000. Architect, private plans. Owners, Montgomery Bros., Inc., on premises. Brick, elevator shaft, 6 stories, 8½x6½ feet. Contract awarded to Smith-Hardican Co., 1606 Cherry street.

**Dwelling (alt. and add.)**, 1126 South Broad street, Philadelphia, \$2,000. Architect, private plans. Owner, V. Bellino, 806 Chestnut street, Philadelphia. Brick, 1 story, 16x4 feet. Contract awarded to Frank Lucci, 1603 Ellsworth street.

**Guard House**, Navy Yard, Philadelphia. Architect, private plans. Owner, United States Government, care of Public Works Department, Navy Yard, Philadelphia. Concrete,

brick, hollow tile and stucco, 2 stories, 44x44 feet, slate roof, hot air heating, electric lighting, cement floors, hollow tile, metal lath, ventilators. Contract awarded to M. H. McCloskey, Jr., Inc., 1620 Thompson street. Item No. 1, \$14,665; No. 2, \$445; time, 120 days.

**Garage**, 8046 Germantown avenue, Philadelphia, \$3,500. Architect, J. E. Fieldstein, Penfield Building, Philadelphia. Owner, Henry A. Laughlin, Chestnut avenue and Crefelt street. Stone, 1 story, 23x22½ feet, slate roof, hot water heating. Contract awarded to Pringle Borthwick, 8018 Germantown avenue.

**Store Front and Alts.**, Northwest Corner Fifty-second and Locust streets, \$4,000. Architect, private plans. Owners, United Cigar Stores Co., New York City. New bulk, metal ceiling, tile and marble work, metal lath, plaster. Contract awarded to P. M. Sax, Franklin Bank Building, Philadelphia.

**Shop**, 2626-28 Huntingdon and 2623-29 Sargeant street, \$15,000. Architect, private plans. Owners, F. M. Venzie Co., 2610 Huntingdon street. Brick and concrete, 1 story, 72x120 feet and 36x70 feet, and 2d story, 101x30 feet, slag roof, Wasco system of heat, cement floors (metal lath reserved). Contract awarded to Barclay White Co., 1713 Sansom street.

**Factory (alts.)**, 1235-37 Filbert street, \$8,000. Architect, private plans. Owner, M. Dannenbaum, 930 Market street, Philadelphia. General repairs, tile work, steam heating, painting, electric wiring, freight elevator, slag roof, metal lath. Contract awarded to George W. Thayer Co., 1233 Ludlow street, Philadelphia.

**Factory (alts.)**, Northeast Corner Hutchinson and Chancellor streets, \$15,000. Architect, private plans. Owner, O. J. Maigne, 300 Pearl street, New York, and 1017 Pearl street, Philadelphia. General interior alterations and repairs. Contract awarded to Dodge & Morrison, 135 Front street, New York City.

**Factory**, Tacony and Lewis streets, Philadelphia. Architect, private plans. Owners, Harvey Rowland Co., on premises. Brick and steel, 1 story, 150x100 feet, concrete foundation, slag roof, concrete floors, rolled steel



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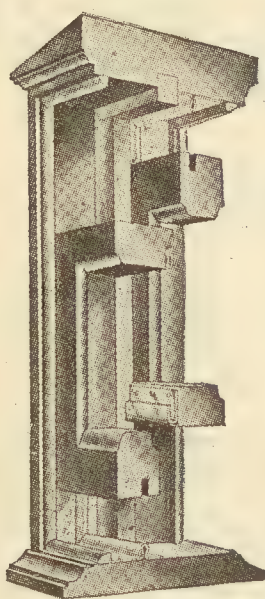
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sash and doors, structural steel and iron work (heat, light and mechanical equipment reserved). Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

**Garage and Factory**, Woodstock street, north of Spencer street, \$15,000. Architect, private plans. Owner, I. S. Davis, Twentieth and Spencer streets, Philadelphia. Brick, 1 story, 75x115 feet, slag roof, cement floor, electric lighting, steam heating. Contract awarded to I. K. Davis & Co., Twentieth and Spencer streets.

**Moving Picture Theatre**, 724 Market street, Philadelphia. Architect, Paul J. Henon, Jr., 10 South Eighteenth street, Philadelphia. Owner, Company, care of A. R. Boyd, 1214 Market street, Philadelphia. Brick and stone, 1 story, 30x130 feet, tile and marble work (heating, plumbing, ventilation, lighting, clock, hardware, painting, glazing, decorating and lighting fixtures reserved). Contract awarded to Daniel T. Henon, 5324 Cedar avenue, Philadelphia.

**Store (alts.)**, 142 South Fifty-second street, Philadelphia. Architect, Paul J. Henon, Jr., 10 South Eighteenth street, Philadelphia. Owner, Cheri, Inc., care of J. G. Patton, Fifteenth and Chestnut streets. Electric work, marble work, leaded glass, woodoleum flooring, cabinet work, plastering, painting, hardware. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

**Garage**, 521-31 N. Orianna street, Philadelphia. Architect, Carl P. Berger, 1416 South Penn Square, Philadelphia. Owner, Northern Liberties Co., care of architect. Brick, mill construction, 1 story, 78x106 feet, slag roof, yellow pine floors, steam heating, electric lighting, metal lath, electric elevators, fire doors. Contract awarded to E. F. Bahls Co., 1702 North Thirteenth street, Philadelphia.

**Residence (alts.)**, 1531 Spruce street, \$5,000. Architect, Frederick Webber, Morris Building, Philadelphia. Owner, Dr. H. M. Goddard, 1338 Spruce street, Philadelphia. Interior and exterior alterations, painting, plastering, steam heat, electric light, tile and marble work, oak floors, metal lath. Contract awarded to Standard Const. Co., 1713 Sansom street.

**Store Building (alts.)**, 1306 Chestnut street, Philadelphia. Architect, David B. Bassett, 420 Perry Building, Philadelphia. Owner, George Miller, care of F. A. North Co., on premises. Brick and stone, eighth floor addi-

tion, 20x80 feet, alterations to sixth and seventh floors, slag roof, concrete and fireproof floors, electric lighting, hollow tile, metal lath, hollow metal sash and skylights. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

**Store Building (alts. and add.)**, 1126 Walnut street, Philadelphia. Architect, private plans. Owners, The Juliet (Miss F. Lawler, 1118 Chestnut street, Philadelphia). Millwork, plastering, painting, tile work, metal bulks, iron work. Contract awarded to Rush Bros., 1100 Filmore street, Frankford.

**Dwellings (41)**, Florence avenue, between Fifty-second and Fifty-third streets, \$23,400. Architect, private plans. Owners, Wyoming Const. Co., 1414 South Penn Square, Philadelphia. Brick, 2 stories, 15½x43 feet and 15x29 feet, 12x14 feet, slag roof, steam heat, electric lighting. Owners will build.

**Mill (alts.)**, northeast corner of Belfield and Wister streets, \$3,000. Architect, private plans. Owners, J. H. & G. B. Bromley, 218 South Forty-second street, Philadelphia. General alterations. Contract awarded to Le Roy K. Smith, Twenty-first and Chester avenue.

**Boiler House (add.)**, southwest corner of Thirty-fifth and Moore streets, \$3,000. Architect, private plans. Owners, Powers, Weightman & Rosengarten, Ninth and Parrish sts. Brick, 1 story, 16x51 feet, slag roof, cement floor. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia.

## Pennsylvania Construction News

**Parish Buildings**, Highland Park, Delaware County, Pa. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owner, St. Lawrence's Roman Catholic Church, care of Rev. Maurice J. Cowl, premises. Stone and brick, 2 stories, 136x36 feet, 52x145 feet and 31x52 feet, slate roof, stone foundation, tile and terrazzo work, metal window guards, iron work, mill work, pine floors. Architect taking bids, due May 6 at noon. Edw. Fay & Son, 2 South Mole street; William R. Dougherty, 1610 Sansom street; Doble & Co., 1519 Sansom street, and Milton W. Young, Overbrook, Pa., are figuring.

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**Residence**, near Phoenixville, Pa. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Joseph Murph, care of architect. Frame, 2½ stories, 50x30 feet, shingle roof, vapor heating, electric lighting, tile work. Architect taking bids due May 2 at noon. Specht & Sperry, Heed Building, Philadelphia; F. H. Keiser, Pottstown; Frank R. Heavner, Norristown, Pa., and M. N. Croll, Radnor, Pa., are figuring.

**Garage (add.)**, 144 East Broad street, Bethlehem, Pa., \$40,000. Architects, Ruhe & Lange, 12 North Sixth street, Allentown, Pa. Owner, National Vulcanize Tire Co., on premises. Fireproof, 2 stories, 230x30 feet, gasoline storage. Architect will be ready for bids in a week.

**Residence (alt.)**, Moixell street, Easton, Pa., \$12,000. Architect, A. D. Childrey, Jr., 341 Northampton street, Easton, Pa. Owner, G. S. Brown, President, Alpha Portland Cement Co., First National Bank Building, Easton, Pa. Brick and stucco, 2½ stories, general interior alterations. Architect will be ready for bids in about a week.

**Garage**, Third and Delaware avenue, Easton, Pa., \$35,000. Architect, E. H. Wenzelberger, Reeder Building, Easton, Pa. Owners, Quig Brothers, care of Easton Hudson Motor Agency, Easton, Pa. Brick and steel, 2 stories, 67x110 feet, slag roof, concrete floors, stone foundation, steam heat, electric lighting, elevators, hollow metal, terra cotta, plate glass. Architect will take bids in a week.

**Apartment and Garage**, Allentown, Pa., \$16,000. Architect, J. W. Reilly, 725 Hamilton street, Allentown, Pa. Owner, name withheld. Brick, 3 stories, 30x54 feet, slag roof, concrete foundation, pine floors, steam heat, electric light. Owner will take bids in 2 weeks.

**Office Building (alt.)**, Race and Court streets, Allentown, Pa., \$10,000. Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owner, Phoenix Silk Mfg. Co., care of E. R. Soleliac, on premises. Brick, 1 story, 32x80 feet, electric lighting, mill construction. Architect has received bids.

**Residences (4) and Garage**, Chester, Pa. Architect, J. W. Levin, 536 Ritner street, Philadelphia. Owner, A. Frank, 930 Rockland street, Philadelphia. Brick and stone, 2 stories, 16x40 feet, garage, 1 story, 36x40 feet (3 cars), slag roof, oak and cement floors, stone foundation, hot water heating, electric lighting, tile work, galvanized iron bays. Owner is taking sub-bids.

**Residence**, Elkins Park, Pa. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, name withheld. Stone, 2½ stories, 50x30 feet, wing 25x20 feet, slate roof, oak floors, hot water heating, electric lighting, tile and marble work. Plans in progress. Architect will take bids in about two weeks.

**Residences and Garages (3)**, Drexel Hill,



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Pa. Architects, MacKenzie & Wiley, Liberty Building, Philadelphia. Owner, H. W. Rickabaugh, 5313 Girard avenue, Philadelphia. Stone and frame, 2½ stories, 33x31 feet, garages, frame and plaster, 1 story, 20x20 feet, shingle roofs, stone foundations, hardwood and cement floors (hot water heat reserved), electric lighting. Owner is taking sub-bids.

**Residence (alts. and add.)**, Mahantonga and Thirteenth streets, Pottsville, Pa. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, J. G. Royal, Pottsville, Pa. Frame, 2 stories, add. 20x9 feet, tin roof, hardwood floors, hot water heating, electric lighting, tile and marble work, reinforcing steel and iron work (lighting fixtures reserved). Architects has received bids.

**Concrete Roof for Reservoir, Water Supply Extension, Road Work, Concrete Coal Bin and Conveyor, Sewage Treatment Plant Extensions**, State Sanatorium, near Mt. Alto, Franklin County, Pa. Architect, private plans. Owners, State of Pennsylvania, Office of the Eng. Div., State Health Dept., Keystone Building, Harrisburg, Pa. Cont. No. 30, roof for reservoir, 60 feet diameter, I-beams, expanded metal and concrete; Cont. No. 31, 5,000 feet, 8-inch C. I. water pipe, 5,000 feet w. i. and c. i. water pipe, varying from 2 inches to 6 inches diameter valves; Cont. 32, construction and resurfacing macadam roads, 15,000 feet water-bound macadam roads; No. 33, ele-

vated coal bin, concrete, 300 ton capacity; No. 34, extensions to sewage treatment plant, approximately 60 cubic yards concrete, 1½ ton steel reinforcement, 350 cubic yards broken stone filter material, 50 cubic yards rubble masonry, piping, valves, etc. Plans may be seen at 1900 Race street, Philadelphia, and secured from office at Harrisburg. Deposit of \$25.00 for each contract set. Owners taking bids due May 7 at 2 P. M. at Harrisburg, Pa.

**Store (alts.)**, 73 Public Square, Wilkes-Barre, Pa. Architect, C. W. Evans, Coal Exchange Building, Wilkes-Barre, Pa. Owner, name withheld. Plate glass, plumbing, hardwood floors, steam heating, store fixtures. Plans in progress.

**School (rebuilding)**, Watson avenue, Parsons, Pa., \$40,000. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owner, Parson School District, care of Thomas Thornton, President, Parsons, Pa. Frame, 2 stories and basement, 50x90 feet, slate roof, pine floors, electric lighting. Plans in progress.

**Store and Apartment**, Breslan, Pa. Architect, George Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Frame and stucco, 2 stories, 35x75 feet, shingle roof, pine floors, steam heat, electric light. Plans in progress.

**Cottage**, Harveys Lake, Pa. Architect, George Schroeder, Weehauken Building, Wilkes-Barre, Pa. Owner, Mary Lowrit,



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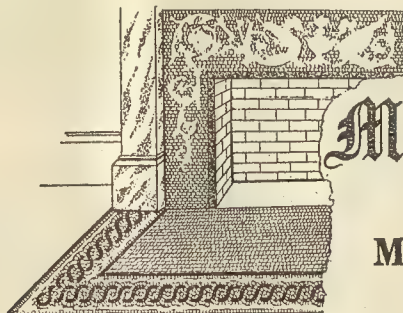
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Morris & McHale, Burr Building, Scranton, Pa. Owner, P. J. McMahon, Susquehanna, Pa. Tile and stucco, 2 stories, 32x30 feet, asbestos roof, hardwood floors, concrete foundations, vapor heat, electric lighting, tile work. Architect taking bids due May 2.

Residence (alts.), to apartment, Susquehanna, Pa. Architects, Morris & McHale, Burr Building, Scranton, Pa. Owner, M. W. Ryan, Susquehanna, Pa. Frame, 2 stories, general interior alterations, hardwood floors, plumbing, electric lighting, tile work. Architect has received bids.

Houses (9), Ardmore, Pa. Architect, Reuben Beard. 1311 Commonwealth Building, Philadelphia. Owner, name withheld. Brick, 2 stories, 16x45 feet, slag roof, stone foundations, hot water heat, electric light, tile work, plumbing, hardwood floors, enclosed porches. Architect will be ready for bids in two weeks.

Residence, Garage and Greenhouse, St. Davids, Pa. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building. Owner, name withheld. Stone, brick and hollow tile, 2 stories, 70x47 feet, garage, 1 story, 24x37 feet, and 2 stories, 30x17½ feet, greenhouse, 1 story, 18x20 feet, slate, slag, tin, and canvas roofs, oak, N. C. pine and cement floors, stone foundations, hot water heat, tile and marble work. Roger Atkinson, Builders' Exchange, Philadelphia, taking revised sub-bids due as soon as possible.

Sanitarium Bldgs., Hamburg, Pa. Architect, H. W. Castor, Stephen Girard Building, Philadelphia. Owner, Commonwealth of Pennsylvania, care of B. Franklin Boyer, M. D., Acting Commissioner of Health, 1900 Race street, Philadelphia. Brick, reinforced terra cotta. Plans will be ready for bids in about two weeks.

Sanitarium (add.), Cresson, Pa. Architect, H. W. Castor, Stephen Girard Building, Philadelphia. Owner, Commonwealth of Pennsylvania, care of B. Franklin Boyer, M. D., Acting Commissioner of Health, 1900 Race street, Philadelphia. Stone and concrete, brick and terra cotta, 3 stories. Plans about completed. Owners will be ready for bids in two weeks.

Attendant's House (add.), Farview, Wayne County, Penna. Architect, Charles L. Hillman, 400 Chestnut street. Owner, State Hospital for Criminal Insane, H. G. Ashmead, Secretary, Waymart P. O., Wayne County, Pa. Stone, brick and steel, fireproof (lighting, plumbing and heating separate bids). Owners taking bids due at Waymart, May 3, at noon. Howere & Stender, and Joseph O'Hara, both of Scranton, Pa., are figuring.

Club House, 511 Welsh street, Chester, Pa., \$200,000. Architect, C. Brazier, Crozer Building, Chester, Pa. Owner, care of T. Wallison, 12 East Fifth street, Chester, Pa. Brick, 4

stories, 1 story marble, 67x111 feet, tile roof, hardwood floors, steam heat, electric lighting, tile and marble work, elevators, fire escapes, ornamental iron work. Architect will take bids in one week.

Barn (alt.), near Uniontown, Pa. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. New slate roof, silo and sanitary equipment. Plans about completed. Architect ready for sub-bids.

Hotel, Philipsburg, Pa. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, Philipsburg Hotel Co., Philipsburg, Pa. Brick, stone and concrete, 6 stories, 78x100 feet, concrete roof and floors, stone foundation, steam heat, electric light, tile work, metal lath, (2) elevators, fire tower. Plans in progress. Architect will take bids in about three weeks.

Bank (alts. and add.), Tamaqua, Pa. Architect, Benjamin R. Stevens, 1737 Filbert street, Philadelphia. Owner, First National Bank, Tamaqua, Pa. Brick, 1 story add. 50x63 feet, 26 feet high, slag roof, marble floors, electric lighting, tile and marble work, new vault, bank fixtures and screens. Plans in progress. Architect will be ready for bids in about two weeks.

Cottage, Brookline Boulevard, near Edgewood road, Brookline, Pa. Architect, Albert F. Schenck, Real Estate Trust Building, Philadelphia. Owner, F. A. Maisch, Brookline, Pa. Frame and brick, 2 stories, 20x32 feet, shingle roof, N. C. pine floors, stone foundation heating and lighting reserved), tile work. Architect has received bids.

Hotel Building (alts.), First avenue and Main street, Coatesville, Pa. Architects, Stuckert & Co., Crozer Building, Philadelphia. Owner, Speakman House, care of William F. Bovgar, Coatesville, Pa. Brick, cut stone, 4 stories, L shaped, 25x96 feet and 26x86 feet, copper roof, pine and tile floors, stone foundations, steam heating, electric lighting, tile and marble work, fire escapes, structural steel, changing portion of first floor into (5) stores, metal bars, plate glass, metal ceilings, iron work. Architects taking bids due May 3. Hogg Const. Co., Denckla Building; E. E. Hollenback, Inc., 1804 Brandywine street, Philadelphia; R. W. Beard & Son, W. J. Elliott, Harry H. Osborne, W. K. Thorn, T. T. Steen, all of Coatesville, Pa., are figuring.

Residence, Latham Park, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, William T. Roberts, Latham Park, Pa. Stone, 2½ stories, 50x36 feet, wing 36x15 feet, garage, 1½ stories, 24x38 feet, slate roof, cement and oak floors, hot water heat, electric light, tile work. Architect taking revised bids due May 6 at 2 P. M. Thomas C. Trafford, 1613 Sansom street; A. L. Fretz & Son, Heed Building; William

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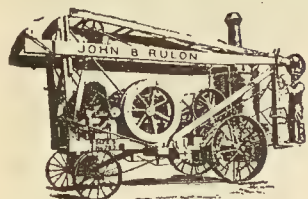
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H. Eddleman & Son, 453 Green Lane; Specht & Sperry, Heed Building; E. J. Hedden, Finance Building; F. B. Davis, 240 North Sixteenth street, and William J. Gruhler Co., 219 East High street, Germantown, are figuring.

**Residence**, Susquehanna, Pa. Architects, Morris & McHale, Burr Building, Scranton, Pa. Owner, M. W. Ryan, Susquehanna, Pa. Tile and stucco, 2 stories, 28x34 feet, asbestos roof, hardwood floors, concrete foundations, vapor heating, electric lighting, tile work. Architect taking bids due May 2.

**Garage**, rear of Gidersleeve street, Wilkes-Barre, Pa. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, Dr. F. C. House, on premises. Brick, 1 story, 19x22 feet, slag roof, stone foundations, concrete floors, hot water heating, electric lighting. Architect has received bids.

**Hotel (alts.)**, to Store and Apts., Washington street, Wilkes-Barre, Pa. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, G. Weaver, East State street, Wilkes-Barre, Pa. Brick, 3 stories, general interior alterations, hardwood floors, tile and marble work, fire escapes. Architect taking bids.

**Store (alt. and add.)**, South Main street, Wilkes-Barre, Pa. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, name withheld. Brick, 2 stories, 15x55 feet, slag roof, electric light, tile work, stone foundations, plate glass. Architect has received bids.

**Club House**, Hollidaysburg, Pa., \$30,000. Architects, Price & McLanahan, Bellevue Court Building, Philadelphia. Owner, J. King McLanahan, care of architects. Hollow tile, 2 stories. Preliminary plans in progress. Work contemplated.

## Pennsylvania Contracts Awarded

**Residence**, Villa Nova, Pa. Architects, Bissell & Sinkler, Otis Building, Philadelphia. Owner, George P. Packard, Villa Nova, Pa. Stone, 2 stories, 103x38 feet, shingle roof, stone foundations, hot water heating, electric lighting, tile work, pine floors, metal lath, structural steel and iron work (heating, electric work, finished hardware and sewage disposal reserved). Contract awarded Wolf & Co., Bryn Mawr, Pa.

**Residence (alt. and add.)** to Apts., 140 Bushkill street, Easton, Pa. Architect, E. H. Wenzelberger, Reeder Building, Easton, Pa. Owner, J. B. Schmid, Easton, Pa. Brick, 2½ stories, 14½x23 feet, add., tin roof, stone foundations, general interior alterations, hardwood

floors. Contract awarded to Bechtel & Bechtel, Easton, Pa.

**Residences (7)**, Springfield, Pa. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, name withheld. Frame and stone, 2½ stories, 25x32 feet, shingle roof, stone foundations, hot air heating, electric lighting, tile work, oak and pine floors. Contract awarded to W. Percival Johnson, 4039 Lancaster avenue.

**Theatre (alts.)**, Seventh street, Chester, Pa. Architect, Clarence Brazier, Crozer Building, Chester, Pa. Owner, name withheld. New vestibule, plastering, painting, interior alterations, tile work. Contract awarded to William Provost, Jr., Chester, Pa.

**Gateway and Private Road**, West Chester, Pa. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. Stone, 20 feet wide, 10 feet high. Contract awarded to Coreoran Construction Co., West Chester, Pa.

**Bungalows (12)**, Browns Mills in the Pines, N. J. Architect, Reuben Beard, 1311 Commonwealth Building, Philadelphia. Owner, Reuben Beard, 1311 Commonwealth Building, Philadelphia. Brick, stucco and asbestos shingle, 2 stories, 20x30 feet, asbestos shingle roof, pine floors, electric lighting, plumbing. Plans in progress.

**Residence**, Haddonfield, N. J. Architect, William C. Prichett, 421 Walnut street, Philadelphia. Owner, William Wilkinson, Westmont, N. J. Frame and timber, 2½ stories, 38x50 feet, shingle roof, oak floors, hot water heating, electric lighting, tile and marble work. Architect taking revised bids due May 2. F. L. Hoover & Sons, 1023 Cherry street, and J. S. Rogers Co., Drexel Building, are figuring.

**Manufacturing Building**, Enterprise avenue, Trenton, N. J., \$100,000. Architect, J. Osborne Hunt, 114 North Montgomery avenue, Trenton, N. J. Owner, Atlas Tire & Rubber Co., care of Henry Ludske, President, West State street, Trenton, N. J. Brick and concrete, 2 stories and 1 story, 90x250 feet, slag roof, concrete floors, steam heat, electric light, hollow tile, metal lath, elevators, safety

**Residence (alts. and add.)**, 315 North Seventh street, Allentown, Pa. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Dr. Eugene M. Kistler, on premises. Brick and concrete, 3 stories, tile work, hardwood floors, plumbing, hot water heating, vacuum cleaning system, roofing. Contract awarded to Tilghman H. Moyer, Allentown, Pa.

**Residence (alt. and add.)** to Apt., 140 Buchkill street, Easton, Pa. Architect, E. H. Wenzelberger, Easton, Pa. Owner, J. S. Schmid, Easton, Pa. Brick, 2½ stories, 14½x23 feet add., tin roof, hardwood floors. Contract awarded to Bechtel & Bechtel, Easton, Pa.

**Residence (alts.)**, 1318 Chew street, Allentown, Pa. Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owner, J. H. Mohr, on premises. Brick front, bay windows, metal work, changing stairs and end and J. S. Rogers Co., Drexel Building; Wm. R. Graham, 3649 Filbert street, Philadelphia, are figuring.

## NEW JERSEY Construction News

treads, roof ventilators, metal ceilings, rolled steel sash, fire doors, hollow metal doors, fire escapes and iron stairs. Architect taking bids, due May 6th. Newton A. K. Bugbee Co., Trenton, N. J.; George E. Ferguson, 56 Pine street, New York City; Mellon & Stewart, Pittsburgh, Pa., are figuring. (Machinery reserved.)

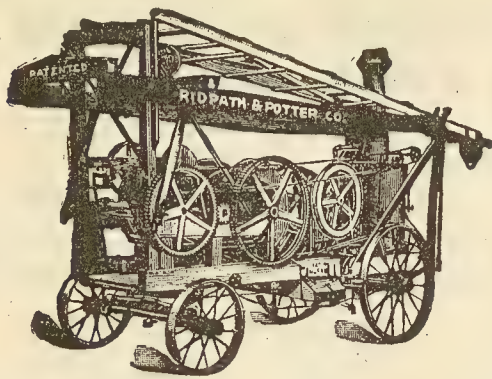
**Comfort Station and Shelter**, Essinpink pike, Trenton, N. J., \$8,000. Architect, J. O. Hunt, 114 North Montgomery street, Trenton, N. J. Owner, City of Trenton, Trenton, N. J. Brick, 40x50 feet, slate roof, concrete foundations, concrete floors, electric light. City Commission will take bids in a week.

**Cow Barn**, Burlington, N. J. Architect, H. A. Brown, First National Bank Building, Trenton, N. J. Owner, State Masonic Home, Burlington, N. J. Hollow tile, slag roof. Preliminary plans in progress.

**Garage**, East Lafayette street, Trenton, N. J., \$15,000. Architect, William Klemann, First National Bank Building, Trenton, N. J. Owner, Alex Klinkowstein, South Broad street, Trenton, N. J. Brick, 2 stories, 64x75 feet, slag roof, cement floors, stone founda-

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tions, steam heat, electric light. Plans in progress.

**Residence** (alt. and add.), Collingswood, N. J. Architect, David B. Bassett, Perry Building, Philadelphia. Owner, Dr. T. W. Madden, Collingswood, N. J. Brick and frame, 2½ stories, 25x40 feet, slate or shingle roof, oak floors, hot air heat, electric light, tile work. Plans in progress.

**Coal Storage Building**, Spec. 3865, Cape May, N. J. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Washington, D. C. Hollow tile and stucco, 1 story, 88x32 feet, pile foundations, etc. Lowest bidders, Post & McCord, 101 Park avenue, New York City, \$36000, 180 days.

## New Jersey Contracts Awarded

**Storage Warehouse**, 413 Arch street, Camden, N. J. Owner, John E. Heritage, Haddon Heights, N. J. Architect, private plans. Stone, brick and concrete, 2 stories, 62x107 feet, slag roof, stone foundations, electric lighting, plank floors. Contract awarded to Mockett Const. Co., Camden, N. J.

**School**, Phillipsburg, N. J. Architect, E. H. Wenzelberger, Reeder Building, Easton, Pa. Owner, Phillipsburg School Board, Phillipsburg, N. J. Brick and stone, 2 stories, 65x67 feet, slag roof, maple floors, electric light, terrazzo floors, roof ventilators. Con-

tract awarded to Benjamin Rymon, Phillipsburg, N. J.

**Factory** (alts. and add.), 308-312 North Front street, Camden, N. J., \$17,530. Architect, Carl P. Berger, 1410 South Penn Square, Philadelphia. Owner, William H. Dollar Mfg. Co., on premises. Brick, steel and concrete, 3 stories, 53x70 feet, slag roof, pine floors, steam heat, electric light, metal lath, electric elevators, fire doors. Contract awarded to Wills-Ludwick Co., 1708 Sansom street, Philadelphia.

**Country Club** (alts. and add.), Riverton, N. J. Architect, J. Fletcher Street, 129 South Fifth street, Philadelphia. Owner, Riverton Country Club, Riverton, N. J. New locker room, stone, 1 story, 60x25 feet, tile work, plumbing. Contract awarded to Louis Loudon, Palmyra, N. J.

**Publishing Building** (alt.), Stockton street, Trenton, N. J. Architect, William Klemann, First National Bank Building, Trenton, N. J. Owners, Trenton Evening Times, Stockton street, Trenton, N. J. Brick, new addition, 30x80 feet, interior alterations. Contract awarded to S. W. Mather & Son, Trenton, N. J.

**Store** (alts.), North Broad street, Trenton, N. J. Architect, William Klemann, First National Bank Building, Trenton, N. J. Owner, Home Furniture Co., Trenton, N. J. New front, plate glass, interior alterations. Contract awarded to William Ivin, Trenton, N. J.

**Dwelling**, Lamberton street, Trenton, N. J., \$5,000. Architect private plans. Owner, Fred Guenther, Trenton, N. J. Brick, 2½ stories, 20x47 feet, slate roof, stone foundation, electric lighting. Contract awarded to T. T. Doulgan, Trenton, N. J.

**Dwelling**, Beatty street, Trenton, N. J., \$4,900. Architect, private plans. Owner, William Stendeman, Trenton, N. J. Brick, 2½ stories, 18x45 feet, stone foundations, slate roof, electric light. Contract awarded to Pritchett & Gass, Trenton, N. J.

**Residences** (2), Rutherford street, Trenton, N. J., \$8,000. Architect, private plans. Owners, Brodick Co., Trenton, N. J. Brick, 2½ stories, 20x32 feet, slate roof, pine floors, steam heat, electric lighting. Contract awarded to F. L. Sweeney, Trenton, N. J.

**Garage and Show Room**, East State street, Trenton, N. J. Architect, William Klemann, First National Bank Building, Trenton, N. J. Owner, O. Moon, Trenton Times Building, Trenton, N. J. Stone and brick, 2 stories, 50x100 feet, slag roof, steam heat, electric lighting, tile floors. Contract awarded to James H. Morris, Trenton, N. J.

**Shop and Machine Room**, Woodverton avenue and 612 South Broad street, Trenton, N. J., \$4,300. Architect, private plans. Owners, J. A. Roeblings' Sons Co., Trenton, N. J. Brick, 1 story, 31x53 feet, corrugated asbestos roof, concrete foundations, steel trusses and sash, fireproof. Owners will build.

## Delaware Construction News

**Residence** (alts. and add.), Claymont, Del. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owner, E. H. Worth, Claymont, Del. Stone and brick, 3 stories, 40x50 feet, shingle roof, stone foundations, hot water heat, electric light, tile and marble work, oak floors, structural steel and iron work. Architects taking bids due May 1. Bowden Const. Co., 1713 Sansom street; H. E. Baton, 1713 Sansom street; Lam Building Co., 1001 Wood street; Willis-Ludwick Co., 1708 Sansom street, Philadelphia; Lansdowne Const. Co., Lansdowne, Pa., and W. T. Potter, Claymont, Del., and Warren-Moore Co., Colonial Trust Building, are figuring.

**Residence**, Delaware and Woodlawn streets, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. Brick, 2½ stories, 47x28 feet, slate roof, stone foundations, hot water heating, electric lighting, tile and marble work, hardwood floors. Plans in progress.

**Garage** (alts.), Delaware and Lincoln streets, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. Changing into doctors' offices, tile porches, painting. Plans in progress.

**Poultry and Hog House**, West Chester, Pa. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. Concrete, 1 story, 70 feet long and 60 feet long, concrete floors. Plans in progress.

**Residence**, Woodlawn avenue, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. Brick, 2½ stories, 40x28 feet, slate roof, hardwood floors, vapor heating, electric light, tile and marble work. Architect has received bids.

**Storage Warehouse**, Fourth and Greenhill streets, Wilmington, Del. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Wilmington Leather Co., Second and Greenhill streets, Wilmington. Brick, slow burning construction, 2 stories, 135x235 feet, slag roof, concrete foundations, maple floors, electric lighting. Plans about completed. Architect will take bids in a week.

## Delaware Contracts Awarded

**Office** (alts.), Vandevere avenue, near Market street, Wilmington, Del., \$33,500. Architect, private plans. Owner, E. I. Dupont Chemical Co., on premises. Brick, new ceiling and interior alterations. Contract awarded to J. Healy Co., 707 Tatnall street, Wilmington.

**Dwellings** (4), Twenty-second between Harrison and Franklin streets, Wilmington, \$26,400. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, W. H. Bramble, 6 West Ninth street, Wilmington, Del. Brick, 2½ stories, 21x31 feet, slate roof, hardwood floors, hot water heating, electric lighting, tile work. Contract awarded to Egbert Witter, 6 West Thirtieth street, Wilmington, Del.

**Dwelling** (alts. and add.), 903 West street, Wilmington, Del., \$3,000. Architect, private plans. Owner, Grace Church House, on premises. Brick, 2 stories, 22x30 feet, slate roof, hardwood floors, interior alterations. Contract

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awarded to Charles Forewood, 2014 Boulevard, Wilmington, Del.

**Factory**, Twelfth and Dure streets, Wilmington, Del. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, Electric Hose & Rubber Co., Wilmington, Del. Brick, steel and concrete, 2 stories, 63x210 feet, 45x30 feet, composition roof, cement and pine floors, metal lath, elevators, rolled steel sash, fire doors, sliding steel doors. Contract awarded to J. E. Healy & Son, 707 Tatnall street, Wilmington, Del.

## Miscellaneous Construction News

**Buildings**, Spec. 3818, Hampton Roads, Va. Architect, private plans. Owners, United States Government, care of Bureau of Yards and Docks, Navy Department, Washington, D. C. Stucco, brick and asbestos shingle, 1 story, Hanger No. 1, 300x100 feet; Hanger No. 2, 330x168 feet; Hanger No. 4, 376x180 feet; Magazine Building, 35x14 feet; Motor Test Building, 22x129 feet; Pump House, 16x16 feet; (3) Landing Piers, 150x100 feet; concrete road and pavements, concrete floors, composition or slag roofs, hollow tile, pile or concrete foundations, steam heating, electric lighting, rolled steel sash, steel sliding doors, structural steel and iron work. Owners taking bids due May 5. Cramp & Co., Denekla Building; Warren-Moore Co., Denekla Building; George F. Pawling Co., 1432 South Penn Square; Hughes-Foulkrod Co., Commonwealth Building, and F. W. Mark Cont. Co., Finance Building, are figuring. (Deposit, \$30.00.)

**Group of Buildings**, Quantico, Va., Spec. 3835. Architect, private plans. Owners, United States Government, care of Bureau of Yards and Docks, Navy Department, Washington, D. C. Terra cotta, hollow tile and stucco, 1 and 2 stories, (24) officers' quarters, (1) 2 stories, 44x29 feet, (3) 2 stories, 41x29 feet, (14) 1 story, 36x33 feet, (2) wings, 25x17 feet and 18x17 feet, (6) 1 story, 33x30 feet, wing 25x17 feet, administration building, 2 stories, 97x31 feet, wing 50x30 feet, concrete foundations, hot water heating, electric lighting, tile and terrazzo work, hollow metal skylights, slate or asbestos shingle roof, hollow tile, metal lath, screens, yellow pine floors. Owners taking bids due May 5. Warren-Moore Co., Colonial Trust Building, and M. H. McCloskey, Jr., 1620 Thompson street, Philadelphia, are figuring.

**Hotel**, Palm Beach, Fla. Architects, Price & McLanahan, Bellevue Court Building, Philadelphia. Owners, Carl G. Fisher and James A. Allison, Indianapolis, Ind. Reinforced concrete, steel and hollow tile, 15 stories, 300 rooms, slag roof, reinforced concrete floors, concrete foundations, steam heating, electric lighting, tile and marble work, metal lath, 6 elevators. Plans in progress.

**Store House**, Spec. 3859, Hampton Roads, Va. Architect, United States Government, Washington, D. C. Owners, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Hollow tile and stucco, 6 stories, 442x118 feet, composition roof, etc. Lowest bidder: Consolidated Eng. Co., Calvert Building, Baltimore, \$784,000, 210 days.

**Store House**, Spec. 3860, Hampton Roads, Va. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Hollow tile and stucco, 3 stories, 935x168 feet,

composition roof, etc. Lowest bidder, Turner Const. Co., New York City, \$1,080,174.

**Store House**, Spec. 3861, Hampton Roads, Va. Architect, private plans. Owners, United States Government, Department of Navy,

Bureau of Yards and Docks, Washington. Hollow tile, concrete and air lock brick, 1 story, 614x179 feet, etc. Lowest bidder, Friestedt Co., 327 S. La Salle street, Chicago, Ill., \$287,043, 210 days.

## MARYLAND Construction News

**Residence and Garage**, Singerly, Md. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, name withheld. Stone and brick, 2½ stories, 33x60 feet, wing 25x35 feet, garage, 1 story, 24x40 feet, slate roof, oak and cement floors, vapor heating, electric lighting, tile work, dampproofing, iron work. Architects taking bids due May 5. Milton W. Young, Overbrook, Pa.; John M. Yardley, 1716 Sansom street; William R. Dougherty, 1610 Sansom street; Pomeroy Const. Co., 1609 Ransstead street, Philadelphia, and Hicks, Tase & Norris, 106 West Madison street, Baltimore, Md., are figuring.

**Apartments**, Thirty-fourth street, Charles and St. Paul streets, Baltimore, Md. Architect, Henry F. White, Washington, D. C. Owner, name withheld. Brick, marble and stone trim, 6 stories, 100x277 feet, slag roof, steam heat, electric light, electric elevators, ornamental iron work, fire escapes, metal doors, copper work, hollow metal skylights, steel and iron work, reinforced concrete work, roof ventilators, fireproofing, dampproofing, terra cotta, hollow tile, metal lath, tile, marble, slate and terrazzo work, hardwood floors, dumb waiters, vacuum cleaning system, refrigerators, plastering, painting, plumbing. Builders, Abell Building and Construction Co., 763 Calvert Building, Baltimore, are taking sub-bids.

**Apartment Houses (10)**, Whitelock street and Callow avenue, Baltimore. Architect, Stanislaus Russell, 11 East Lexington street, Baltimore. Owner, Druid Lake Apartment Co., care of J. F. Solley, President, Baltimore, Md. Brick and stucco, 3 stories, 25x98 feet (12 suites, 3 or 4 rooms). Plans in progress.

**Dwelling**, Berlin, Md. Architects, Owens & Sisco, Continental Building, Baltimore. Owner, A. H. Hardesty, on premises. Frame, 2½ stories, shingle roof, vapor heating, electric lighting, hollow metal skylights, ventilators, painting, plumbing, plastering, tile work, hardwood floors. Plans in progress.

**Post Office, Garage and Parcel Post Division**, Maryland avenue and Oliver street, Baltimore. Architect, Edw. L. Palmer, Jr., 513

North Charles street, Baltimore. Owner, John S. Bridges, 325 East Oliver street, Baltimore. Brick, 150x400 feet, slag roof, concrete and maple floors, steam heating, electric lighting, hollow metal skylights, reinforced concrete work. Plans in progress.

**Store Building**, 315 North Howard street, Baltimore, Md. Architect, Theo. W. Pietsch, American Building, Baltimore. Owner, Charles M. Stieff Piano Co., 11 North Liberty street, Baltimore. Brick, marble and stone front, 6 stories, tile and slag roof, steam heat, electric lighting, (2) electric elevators, ornamental iron work, fire escapes, bronze work, metal doors, copper and galvanized iron work, metal ceilings, skylights, ventilators, reinforced concrete work, fireproofing, dampproofing, hollow tile, plastering, metal lath, tile, marble work, hardwood floors, dumb waiters, vacuum cleaning system (auditorium, 250 seating capacity). Plans in progress.

**Warehouse**, Russell street, near Ostend street, Baltimore, Md., \$35,000. Architect, Callis & Callis, 2055 Kennedy avenue, Baltimore. Owner, Samuel Cooper, 2036 Brookfield avenue, Baltimore. Brick, mill construction, 2 stories, 80x155 feet, slag roof, steam heating, cement floors, reinforcing steel beams and columns. Revised plans about completed. Owner will take bids in a few days.

**Moving Picture Theatre (alts.)**, 36-38 West Lexington street, Baltimore. Architect, O. B. Wight, Munsey Building, Baltimore. Owner, Wizard Amusement Co., on premises. New brick and stucco front, electric fixtures, plastering and interior alterations. Architect taking bids due May 3. John Cowan & Son, Cogswell & Koether Co., John Hiltz & Son, R. H. Frazier & Son, and Consolidated Eng. Co., all of Baltimore, Md., are figuring.

**Bank and Business Building (alts.)**, 407-13 West Franklin street, Baltimore, \$20,000. Architect, Callis & Callis, 2055 Kennedy avenue, Baltimore. Owner, Harry L. Wilson, Fayette and Pearl streets, Baltimore. Interior alterations and new front, hot water heating, electric lighting, hand elevators, ornamental iron work, hollow metal skylights,

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metal ceilings, fireproofing, dampproofing, hollow tile, metal lath, tile, marble, slate and terrazzo work, hardwood floors, dumb waiters, bronze and copper work. Owner is taking bids. Adam Kratz, 343 South Smallwood street, Baltimore, is figuring.

**Dwelling**, Charles street, near Thirty-third street, Baltimore, Md. Architect, C. N. Fritz, Munsey Building, Baltimore. Owner, George A. Klinefelter, Montrose avenue, Catonsville, Md. Brick and stucco, 2½ stories, marble trim, tile roof, hot water or hot air heating, electric lighting, fireproofing, dampproofing, hollow tile, metal lath, plastering, tile work, hardwood floors, vacuum cleaning system, ornamental iron work. Architect taking bids due May 2. Hicks, Tase & Norris, 106 West Madison street; John F. Kunkel, 29 South Linwood avenue; E. G. Turner, 15 East Fayette street; Gadsfelter & Chambers, 932 Thirtieth street, and Samuel Spreat, 203 North Pine street, Baltimore, Md., are figuring.

**Garage**, Hilton street, South of Edmondson avenue, Baltimore, Md. Architect, F. E. Beall, 1335 North Gilmore street, Baltimore. Owner, James Keelty, 1123 Poplar Grove street, Baltimore. Stone and brick, 2 stories, 50x100 feet, slag roof, steam heating, elec-

tric lighting, steel and iron work, metal doors, hollow metal skylights, roof ventilators, painting, plumbing, plastering. Owners will take sub-bids.

**Garage**, York road and Thirty-fifth street, Baltimore, Md. Architect, Fred E. Beall, 1335 North Gilmore street, Baltimore. Owners, Crouch & Leaser, 114 East Lombard street, Baltimore, Md. Brick, 1 story, 81x200 feet, slag roof, cement floors, steam heat, electric light, metal doors, hollow metal skylights, roof ventilators, plastering, painting, plumbing. Owner will take bids.

**Warehouse**, Eastern avenue, near Caroline street, Baltimore. Architect, George R. Callis, Jr., Melvin avenue, Catonsville, Md. Owner, Louis Blaustein, 401 American Building, Baltimore. Brick, mill construction, 63x68 feet, slag roof, electric lighting, electric elevator, steel and iron work, hollow metal skylights, painting, plumbing. Plans will be completed in a few days. Owner will take bids.

**Town Hall (alts.)**, Prince Frederick, Md., \$10,000. Architect, O. H. Clarke, 816 Connecticut avenue, Washington, D. C. Owner, City of Prince Frederick, Briscoe Bunting, Chairman of Committee, Town Hall, Prince Frederick, Md. Alterations and addition, frame, 2 stories, 40x104 feet. Plans in progress.

## MARYLAND

# Contracts Awarded

**Building (alts.)**, Saratoga and St. Paul streets, Baltimore, \$20,000. Architect, private plans. Owner, Automobile Commission and Child Labor Bureau of Maryland, 11 East Lexington street, Baltimore. General interior alterations. Contract awarded to A. Knell, Jr., Law Building, Baltimore.

**Apartments (alts.)**, Whitelock street and Eutaw Place, Baltimore. Architects, E. H. Glidden, Baltimore, Md. Owners, Simon Rief & Co., 100 North Chester street, Baltimore. Changing present building into apartments, steam heat, electric light, fire escapes, hollow metal skylights, ventilators, fireproofing, metal lath, painting, plumbing, tile and terrazzo work, hardwood floors, dumb waiters, refrigerators. Contract awarded to M. Townsend, care of owners.

**Store and Dwelling (8)**, McCabe avenue, near Alhambra, Baltimore, Md. Architect, F. E. Beall, 1335 North Gilmore street, Baltimore. Owners, Cityco Realty Co., 2 East Lexington street, Baltimore. Brick, 2 stories, slag roof, pipeless heaters, electric lighting, skylights, ventilators, plastering, painting, plumbing, tile work, hardwood floors, plate glass. Owners taking sub-bids.

**Oil Tanks**, O'Donnell and Fourth streets, Baltimore, Md., \$128,000. Architect, private plans. Owners, Standard Oil Co., Pier No. 2, Pratt street, Baltimore. 8 steel tanks, concrete work. Contract awarded to Riter-Conley Co., Sparrows Point, Md.

**Residence**, Oakfield avenue, near Springdale, Md. Architect, private plans. Owner, Charles H. Feldner, 1728 Ruxton avenue, Baltimore. Frame, 1½ stories, 27x44 feet, slate roof, hot water or hot air heat, electric light, hollow metal skylights, plastering, painting, tile work, plumbing. Contract awarded to L. E. Gerwig, 2117 Dukeland avenue, Baltimore.

**School**, York road, Springdale and Star lane, Baltimore, Md. Architect, Hugh I. Kavanaugh, 913 North Charles street, Baltimore.

Owners, Blessed Sacrament Parish, on premises. Brick, 2 stories, 60x100 feet, slag roof, stone trim, steam heat, electric light, ornamental iron work, fire escapes, hollow metal skylights, ventilators, reinforced concrete, fireproofing, dampproofing, hollow tile, metal lath, tile and terrazzo work, composition floors, plastering, painting, plumbing. Contract awarded to Henry Sorrell & Son, 1334 Gilmore street, Baltimore.

**County Road Works**, Indian Head, Md., \$66,698, Cont. No. 3850. Owners, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Concrete road and 3 branch roads and concrete sidewalks at Naval Proving Grounds. Contract awarded to Sutton & Corson, Ocean City, N. J.

**Bakery (add.)**, 318-24 North Gay street, Baltimore. Architect, John Freund, 16 East Biddle street, Baltimore. Owners, Rise Brothers, care of City Baking Co., 310 North Gay street, Baltimore. Reinforced concrete and steel, 4 stories, 58x110 feet, brick and marble trim, slag roof, steam heat, electric light, electric elevators, metal doors, steel sash, fire escapes, metal doors, hollow metal skylights, ventilators, fireproofing, dampproofing, terra cotta, hollow tile, plastering, plumbing, painting, tile, slate and terrazzo work, composition floors, dumb waiters. Contract awarded to John F. Kunkel, 29 South Linwood avenue, Baltimore.

**Dwelling (alts.)**, 1319 Light street, Baltimore. Architect, Robert L. Harris, Baltimore, Md. Owner, Dr. William C. Spifler, on premises. Brick, 3 stories, 15x25 feet, slag roof, steam heat, electric lighting, fireproofing, dampproofing, plastering, painting, plumbing, tile work, dumb waiters, refrigerators. Contract awarded to J. Henry Smith, 1426 Light street, Baltimore.

**Factory**, Key Highway and Harvey street, Baltimore, Md. Architect, Otto Kubitz, 1004

Emerson Tower, Baltimore. Owner, Mangels-Herold Co., on premises. Brick and steel frame, 3 stories, 50x168 feet, stone trim, slag roof, steam heat, electric light, electric elevators, steel and iron work, fire escapes, steel sash, metal doors, hollow metal skylights, dampproofing, hollow tile, composition floors, plumbing. Contract awarded to Consolidated Eng. Co., Calvert Building, Baltimore.

**Garage**, 1105-33 Mason Alley, Baltimore, Md. Architect, private plans. Owner, Irwin D. Baxter, Dolphin street and Linden avenue, Baltimore. Brick, 47x80 feet, slag roof, steam heat, electric light, steel and iron work, metal doors, galvanized iron work, skylights, ventilators, painting, plumbing. Contract awarded to G. Walter Tovell, 401 McCulloh street, Baltimore.

**Shed**, Barre and Sharp streets, Baltimore, Md. Architect, John Freund, 16 East Biddle street, Baltimore. Owner, City Baking Co., Equitable Building, Baltimore. Brick, 1 story, 40x140 feet, slag roof, cement floor, electric lighting, heating, painting galvanized iron work. Contract awarded to John F. Kunkel, 29 South Linwood avenue, Baltimore.

**Church (adds.)**, Read and Cathedral streets, Baltimore, Md. Architect, Woldemar H. Ritter, 299 Toppan street, Brookline, Mass. Owner, Emmanuel Protestant Episcopal Church, on premises. New tower and vestibule, stone and brick, slate and slag roof, hot water heat, electric light, steel and iron work, ornamental iron work, bronze, copper and galvanized iron work, reinforced concrete work, fireproofing, dampproofing, terra cotta, plastering, metal lath, tile, marble, slate and terrazzo work, composition floors, painting, plumbing. Contract awarded to Morrow Brothers, Fidelity Building, Baltimore, Md.

**Warehouse**, 936-38 North Howard street, Baltimore, Md. Architect, H. J. Kavanaugh, 913 North Calvert street, Baltimore. Owner, D. O. Ditto, 887 North Howard street, Baltimore. Brick, 2 stories, 25x54 feet, slag roof, steam heating, electric lighting, steel and iron work, hollow metal skylights, ventilators, plastering, painting, plumbing. Contract awarded to C. E. Jackson, 222 West Madison street, Baltimore.

## Permits for New Buildings

Factory, 4832 Merion avenue, \$25,000. Brook Bros. Co., Fifty-fifth and Wyalusing avenue (O and C). Brick, 1 story, 75x128 feet.

Garage and Factory, East side of Woodstock, North of Spencer street, \$15,000. I. K. Davis (O), Twentieth and Spencer streets. Brick, 1 story, 75x115 feet, slag roof. I. K. Davis Co. (C), Twentieth and Spencer streets.

Dwellings (2), North side and (2) South side of Osage avenue, East of Sixty-second street, \$16,000. A. Singer (O and C), 37 South Fifty-ninth street. Brick, 2 stories, 15 feet 5 inches x42 feet, slag roof, hot water heating.

Dwellings 9), Sixty-second and Osage avenue, \$50,650. A. Singer (O and C), 37 South Fifty-ninth street. Brick, 2 stories, 15x30 feet, 12x12 feet, slag roofing hot water heating.

Garage 3516 North Eighth street, \$2,898. Walter Smith (O and C), 3518 North Eighth street. 1 story, brick, slag roof, 21 feet 6 inches x114 feet, 18 feet 6 inches x30 feet.

Dwellings (2), South side Longshore, West of Buckius street, \$6,000. T. W. South (O). Brick, 2 stories, 16 feet 4 inches x42 feet, slag roofing, hot air heating. J. Edw. Mattis (C), 4412 Wingohocking street.

We have pebbles all sizes. Cost less than what you are using. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



Dwellings (2), Longshore and Erdrick streets, \$6,000. Thomas W. South (O). Brick, 2 stories, 16 feet 4 inches x 42 feet, slag roofing, hot air heating. J. Edw. Mattis (C), 4412 Wingohocking street.

Dwellings (22), Fifth and Grange avenue, \$92,400. Henry W. Bauer (O and C), Fifth and Chew streets. Brick, 2 stories, 18x32 feet 6 inches, slag roofing, hot water heating.

Dwelling, Fifth and Chew streets, \$5,300. R. Wallace Troemner (O and C), 3134 North Broad street. Brick, 2 stories, 16 feet 4 inches x 44 feet, slag and slate roof, hot water heating.

Dwellings (30), West side Fifth street, North of Chew street, \$144,000. R. Wallace Troemner (O and C), 3134 North Broad street. Brick, 2 stories, 15 feet 7 inches x 21 feet 11 inches, 12 feet 6 inches x 12 feet 1 inch, slate and slag roofing, hot water heating.

Dwelling, Fifth and Grange avenue, \$5,300. R. Wallace Troemner (O and C), 3134 North Broad street. Brick, 2 stories, 16 feet 2 inches x 44 feet, slag and slate roof, hot water heating.

Police Station, Twenty-fourth and Ritner streets, \$128,000. City of Philadelphia (O). Brick, 2 stories, slate roof, steam heating, 46x98 feet 6 inches, 32 feet 10 inches x 29 feet 5 inches, 46x33 feet 7 inches. Frank G. Stewart (C), 1619 Sansom street.

Power House and Stable, East side Twenty-fourth street, South of Ritner street, \$65,000. City of Philadelphia (O). Brick, 1 story, 46 feet 4 inches x 38 feet 10 inches, 21 feet 2 inches x 31 feet, 96 feet 8 inches x 33 feet, slate roof, steam heat. Frank G. Stewart (C), 1619 Sansom street.

Fire House, East side of Twenty-fourth street, South of Ritner street, \$123,000. City of Philadelphia (O). Brick, 2 stories, 46x98 feet 6 inches, 46x63 feet, slate roof, steam heat. Frank G. Stewart (C), 1619 Sansom street.

Garage, Cottage and Wakeling streets, \$435. James J. Tate (O), on premises. Brick, 1 story, 11x15 feet 9 inches. Charles Townsend (C), 5512 North Fairhill street.

Dwelling, North side of Shawmont avenue, West of Nixon street, \$2,500. Edward E. Davis (O and C), West Shawmont street. Stone, 2 stories, 31x31 feet, shingle roof.

Garage, 1905 Wynnewood road, \$1,500. R. & E. Hofmeister (O), on premises. Brick, 1 story, 20x21 feet, slag roof. George H. Evans (C), 45 North Thirteenth street.

Garages (2), \$800, 505-507 Sixty-seventh avenue. Stone, 1 story, 22x20 feet, asbestos roofing. John Lengley (C), 4131 Frankford avenue.

Storage for Coal, Tulip and Westmoreland streets, \$2,000. William S. Diamond (O), on premises. Brick, 1 story, 24x62 feet. Robert Beatty & Bro. (C), 2321 East Fletcher street.

Storage and Work Shop, Tulip and Westmoreland streets, \$18,000. William S. Diamond (O), on premises. Brick, 2 stories, 32x91 feet, 32x96 feet, slag roofing. Robert Beatty & Bro. (C), 2321 East Fletcher street.

Garage, Tulip and Westmoreland streets, \$5,000. William S. Diamond (O), on premises. Brick, 1 story, 32x55 feet, slag roofing. Robert Beatty & Bro. (C), 2321 East Fletcher street.

Dwellings (2), Northwest Corner Fifty-ninth and Warrington streets, \$8,000. J. M. Gallagher (O), Fifty-fifth and Springfield avenue. Brick, 2 stories, 15x45 feet. Owner will build.

Dwellings (28), West side Warrington avenue, West of Fifty-eighth street, \$106,400. John M. Gallagher (O and C), Fifty-fifth and

Springfield avenue. Brick, 2 stories, 15x34 feet, 12x11 feet.

Dwelling, 6106 Torresdale avenue, \$3,500. Ella Gravat (O), 3242 Van Kirk street. Brick, 2 stories, 15x51 feet 9 inches, slag roofing, hot water heating. Frank W. Zebley (C), 6022 Hegeman street.

Garage, 6106 Torresdale avenue, \$800. Ella Gravat (O), 3242 Van Kirk street. Brick, 1 story, 16x25 feet, slag roof. Frank W. Zebley (C), 6022 Hegeman street.

Shop and Garage, 6012-14 Hegeman street, \$800. Frank W. Zebley, 6022 Hegeman street (O and C). Brick, 1 story, 20x50 feet, slag roofing.

Bungalow, 6012-14 Hegeman street, \$2,000. Frank W. Zebley (O and C), 6022 Hegeman street. Frame and stone, 1 story, 30x50 feet.

Garage, Tyson and Edmund streets, \$500. Walter Ludwig (O and C), 6956 Tulip street. Brick, 1 story, 20x37 feet 6 inches.

Garage, 4937 North Eleventh street, \$850. Robert A. Wilson (O), 4939 North Eleventh street. Brick, 1 story, 17x17 feet, slag roofing. William H. George (C), 4329 North Fifteenth street.

Garage, 8046 Germantown avenue, \$3,500. Henry A. Loughlin (O), Chestnut avenue. Stone, 1 story, 23x22 feet 6 inches. Pringle Borthwick (C), 8018 Germantown avenue.

Office, 1236 North Ninth street, \$1,300. Charles A. Green (O), 1208 Girard avenue. Brick, 1 story, 16x32 feet. J. D. Walther (C), 1233 Olive street.

Garage, 4960 North Ninth street, \$500. W. Fischer's Sons (O and C), Hutchinson and Ruscomb streets. Brick, 1 story, 11x16 feet.

Garage, 20 West Willow Grove avenue, \$440. Ernest Johnson (O), on premises. Brick, 1 story, 9x13 feet. William H. Foulke (C), 7821 Germantown avenue.

Shop, Northwest Corner Eighty-second and Eastwick avenue, \$2,400. Island Bottling Co. (O), on premises. Brick, 1 story, 20x60 feet. F. Paulson (C), on premises.

Recreation Building, Northeast Corner Twenty-sixth and Reed streets, \$5,000. S. B. & B. W. Fleisher Co. (O), on premises. Brick, 1 story, 16x60 feet. William Steele & Sons Co., 1600 Arch street (C).

Commercial Coal Dump, Northeast Corner Fifty-seventh and Grays avenue, \$4,200. Henry E. Etratham, Inc. (O), on premises. Frame, 200 feet long. Stewart Bros. (C), 2526 North Orkney street.

Dwelling, 1124 Herbert street, \$3,500. Rush Brothers (O and C), 1100 Fillmore street. Brick, 2 stories, 16x45 feet.

Dwellings (5), 1114-1122 Herbert street, \$15,000. Brick, 2 stories, 16x31 feet, 13x13 feet.

Dwellings (8), East side Craig street, South of Soley street, \$24,000. Holmesburg Concrete Co. (O and C), Holmesburg, Philadelphia. Brick, 2 stories, 4x35 feet, slag roof, hot air heating.

Dwelling, East side Eleventh street, South of Windrim street, \$3,000. J. F. Crowe (O and C), 3410 Almond street. Brick, 2 stories, 16x47 feet 6 inches, asbestos slate roof, hot water heat.

Garage, 5421 North Sixth street, \$400. Charles Friday (O and C), on premises. Brick, 1 story, 11 feet 6 inches x 16 feet.

Garage, Fifty-eighth and Angora streets, \$715. W. M. Calhoun (O), 6018 Walton avenue. Brick, 1 story, 16x16 feet. Joseph Law (C), 517 South Redfield street.

Garage, 2341 Orthodox street, \$600. Andrew Graf (O), 2339 Orthodox street. Brick, 1 story, 16x20 feet. N. Nargorski (C), 2416 Orthodox street.

Garage, South side Grange avenue, East of Third street, \$800. William Smith (O), 244 Grange avenue. Brick, 27 feet 6 inches x 20 feet, slag roof. George R. Dewees (C), 311 Grange avenue.

Garage, Third street, South of Chew street, \$700. Fred Mahle (O), Third and Chew streets. Brick, 1 story, 27 feet 6 inches x 20 feet, slag roof. George R. Dewees (C), 311 Grange avenue.

Garage, 1532 Adams avenue, \$850. John Albrecht, on premises (O and C). Iron, 1 story, 8x14 feet.

Garage, West side J street, North of Robbins avenue, \$1,000. Emil Lampe (O), 1039 Robbins avenue. Brick, 1 story, 22x38 feet. John J. Adair (C), 6900 Rising Sun Lane.

Garage, East side Sixth street, North of Loudon street, \$2,500. Louis Braennig (O), 4933 North Fifth street. Brick, 1 story, 18 feet 6 inches x 96 feet, 10x19 feet, slag roof. Owner will build.

Garage, Southwest Corner Blair and Columbia avenue, \$1,000. Lloyd Garrett Co. (O), 229 North Twenty-third street. Brick, 1 story, 26x22 feet. Mitchell Bros. (C), 2125 Race street.

Racer Slide, Woodside Park, \$1,000. Frank Kreis (O), 804 Liberty Building. J. Carey (C), 245 Hinsdale street, Brooklyn, N. Y.

Dwelling, Palm and Parrish streets, \$4,000. J. J. Kelly Cont. Co. (O and C), Oak Lane, Philadelphia. Brick, 2 stories, 15 feet 4 inches x 40 feet, slag roof, hot water heat.

Dwellings (4), \$15,000, Forty-first and Parrish streets. J. J. Kelly Cont. Co. (O and C). Oak Lane, Philadelphia. Brick, 2 stories, 16 feet 4 inches x 40 feet, 16x30 feet, 13x10 feet, slag roofing, hot water heating.

Dwellings (2), Parrish and Palm streets, \$7,000. J. J. Kelly Cont. Co. (O and C), Oak Lane. Brick, 2 stories, 15x30 feet 7 inches, 12x10 feet, slag roof, hot water heating.

Garage, Passyunk avenue and Federal street, \$4,000. Pasquale Ingeniti, 820 Christian street (O and C). Brick, 2 stories, 64x66 feet, 20x20 feet.

Dwelling, South side Chew street, East of Fourth, \$3,000. Phil Schweichardt (O), 161 East Albanus street. Brick, 2 stories, 15x30 feet 7 inches, 12x12 feet 5 inches, slag roof, hot water heat. Owner will build.

Dwelling, Fourth and Chew streets, \$3,500. Phil Schweichardt (O and C), 161 East Albanus street. Brick, 2 stories, 15x40 feet, slag roof, hot water heat.

Shop, 2626-28 Huntingdon street and 2623-29 Sargeant street, \$15,000. F. M. Venzie (O), 2610 Huntingdon street. Brick and concrete, 1 and 2 stories, 72x120 feet, 36x70 feet, 101x30 feet, slag roof, cement floors, Wasco heating system. Barclay Whitte Co., 1713 Sansom street.

Garage, 218 West Mt. Pleasant avenue, \$400. Michael J. Gormley (O), on premises. Brick, 1 story, 11x16 feet. John DePaul & Bro. (C), 80 East Sharpnack street.

Business Building, 1508 West Susquehanna avenue, \$750. Walter Ensign (O), 1721 West Norris street. Brick, 1 story, 15x15 feet, slag roof. Howard D. Merker (C), 1835 Vineyard street.

Garage, 6217 Girard avenue, \$2,000. Christian White (O), 511 North Sixty-third street. Brick, 1 story, 25x70 feet, slag roofing. Owner will build.

Dwellings (8), East and West side of Henning street, North of Stanwood street, \$20,000. Fox Chase Land Co. (O), Burholme and Oxford avenue. Brick, 2 stories, 16 feet 11 inches x 37 feet, 11x7 feet, slag roofing, hot air



heating. W. E. Strock (C), 7353 Oxford avenue.

Dwellings (2), North side of Stanwood street, east of Hennig, \$6,000. Fox Chase Land Co. (O), Burholme and Oxford avenue. Brick, 2 stories, 16x37 feet, slag roofing, hot air heating. W. E. Strock (C), 7353 Oxford avenue.

### Alterations and Additions

Dwelling and Store, 910 North Second street, \$600. D. Zimmerman (O), 910 North Second street. Brick, 1 story, 16x12 feet, slag roof. Lashner Bros. (C), 1625 S. Orkney street.

Garage, 5933 Cedar avenue, \$400. Philip Schaeyer (O), on premises. Brick, 1 side, 6x16 feet. H. A. Paxon (C), 6006 Market street.

Dwelling, 1119 Annin street, \$300. Dominick Solomar (O), on premises. Brick, 2nd story, 12x14 feet. D. Mattia (C), 1110 Hall street.

Dwelling, 743 South Darien street, \$600. Francisco Polar (O), on premises. Brick, 3rd story, 12x18 feet. Dom Mattia (C), 1110 Hall street.

Factory, East side Randolph street, North of Locust street, \$350. David Webber (O), Fifth and Locust streets. Boiler foundations. Unifco Boiler Co. (C), Harrison Building, Philadelphia.

Store and Dwelling, Eighteenth and Reed streets, \$900. Simon Aron (O), on premises. Philip Savar (C), 718 Snyder avenue.

Bungalow, North side Linden avenue, West of Torresdale avenue, \$300. Fred Sheetz (O), 2307 East Fifth street. Frame, 1 story, 14x28 feet. Frank Carson (C), 2353 East York street.

Wagon Shed, East side Vever road, South of Red Lion road. Paul Geselr (O), Busfleton, Pa. Frame. William D. Bubeck (C), Somerton, Pa.

Store to Garage, Cherry street, East of Thirty-third, \$350. Electric Dental Mfg. Co. (O), Thirty-third and Cherry streets. W. O. Rosennussen (C), 5609 Master street.

Office, 3432 Market street, \$300. Max Pin-cus, 4935 Walnut street (O and C). Interior alterations.

Dwelling, 43 West Tulpehocken street, \$3,000. R. A. Nerly (O), Merion. Pa. Altered to tenement house. Stuckert & Co. (C), Crozer Building.

Store and Dwelling, 1539 East Berks street, \$450. John Johnson (O), on premises. Samuel S. Sanders & Bro. (C), 519 Richmond street.

Garage, Brown and Holly streets, \$1,175. George W. Wisner (O), on premises. Brick, 1 story, 18x20 feet. Warren E. Biscoe (C), 3854 Ludlow street.

Factory, 448-50-52 York avenue, \$43,000. Walter P. Miller (O), 448 York avenue. Brick, 4 stories, 56x68 feet, slag roof. Robert E. Lamb Co. (C), 843 North Nineteenth street.

Garage and Storage, 439 Richmond street, \$2,000. Fanny Fishman (O), 1014 Shackamaxon street. Brick, 1 story, 40 feet 6 inches x38 feet 2 inches, slag roofing. Morris Fishman (C), 1014 Shackamaxon street.

Dwelling, 1206 South Third street, \$1,125. H. Finkelstein (O), on premises. Brick, 3 stories, 11 feet 6 inches x13 feet 3 inches, slag roofing. Morris Fishman (C), 1014 Shackamaxon street.

Store and Apartments, 1942 North Seventeenth street, \$625. William Brien (O), on premises. Rose & Ferero (C), 1328 Chestnut street.

Dwelling, 4552 Worth street, \$350. H.

Camburn (O), on premises. Rush Bros. (C), 1100 Fillmore street.

Dwelling, 2053 East Cheltenham avenue, \$2,500. R. Rosborough (O), on premises. Brick, 1 story, 16x18 feet. Charles Johnson (C), 5701 Boyer street.

Store, 1418 Ridge avenue, \$380. Gus Jenke (O), 1502 Ridge avenue. Samuel J. Rea & Son (C), 1608 Fairmount avenue.

Store and Dwelling, Palethorpe and Ontario streets, \$600. William Mahoney (O), on premises. Brick, 2 stories, 14 feet 6 inches x7 feet, slag roof. Eugene Tones (C), 3351 North Second street.

Dwelling, 1232 Wilder street, \$400. Frank Froio (O and C), on premises. Brick, 1 story, 14 feet 6 inches x9 feet, slag roof.

Dwelling, 512 Emily street, \$400. William Kuhn (O), on premises. Brick, 1 story, 11x8 feet 6 inches, slag roof. William J. McElwer (C), 2204 North Reese street.

Dwelling, 1226 Fitzwater street, \$1,000. P. Grammabel (O), on premises. Flush bulk. The Nardy Co. (C), 902 Bulletin Building.

Dwelling, 141 Chew street, \$300. William B. Rehfuß (O), on premises. New porch and stone wall.

Store and Dwelling, 4349 Germantown avenue, \$900. Stanley Raminis (O), on premises. Repair fire damage. John J. Hurley & Co. (C), 4416 Cresson street.

Dwelling, 1110 Annin street, \$300. Brick, 1 story, 12x14 feet, slag roof. Dominick Mattia (C), 1103 Alter street.

Factory, Northwest Corner Front and Arch streets, \$300. John M. Dohan, Stephen Girard Building (O). Doyle & Co. (C), 1519-21 Sansom street.

Store and Dwelling, 4351 Germantown avenue, \$750. H. Rosenweig (O), on premises. Flush bulk. Harry Slass (C), 1809 North Seventh street.

Dwelling, 1134 Dickinson street, \$600. C. Longe (O), on premises. Brick, 1 story, 16x26 feet. Owner will build.

Dwelling, 722 South Mildred street, \$350. Rosa Christian (O), on premises. Brick, 1 story, 10x12 feet. Frank Manfredi (C), 1012 Fitzwater street.

Storage Building, 1128-30 Hope street, \$700. Penna. Eng. Co. (O), 1121 Howard street. Slag roof, interior alterations. A. Raymond Raff Co. (C), 1635 Thompson street.

Coal Yard, Thirteenth and Washington avenue, \$350. Nardello Bemato & Co. (O), 715 Pemberton street. Joseph Cella (C), 711 Pemberton street. Foundations of concrete for scale.

Dwelling, 20 West Willow Grove avenue, \$440. Ernest Johnson (O), on premises. Wm. H. Foulk (C), 7821 Germantown avenue. Brick, 1 story, 12x14 feet.

Dwelling, 310 West Johnson street, \$10,000. Albert Greenfield (O), Thirteenth and Chestnut streets. James F. Myers & Co. (C), 1237 Ridge avenue. Brick, 1 story, 14x14 feet, hot water heating.

Dwelling, 1238 Gerritt street, \$800. Dominico Zappacosta (O), on premises. Frank Luzzi (C), 763 South Fifteenth street.

Factory, 2411 West Norris street, \$6,600. Standard Dental Manufacturing Co. (O), on premises. Philip Haibach Cont. Co. (C), 1261 North Twenty-sixth street. Brick, third story, 36x74 feet.

Dwelling, 2310 Columbia avenue, \$845. Jos. A. Addis (O), 1720 North Twenty-fourth st. E. Clifford Durell (C), 1713 North Twenty-fourth street. Repair fire damage.

Store and Dwelling, 2336 Ridge avenue. H. Todd (O), on premises. E. Clifford Durell (C), 1713 North Twenty-fourth street. New

brick front.

Dwelling and Office, 3026 Kensington avenue, \$400. Harry Gares (O), on premises. Philip Bush (C), 714 East Clearfield street.

Dwelling and Store, 3028 Kensington avenue, \$600. J. Klegman (O), on premises. Philip Buch (C), 714 East Clearfield street. Brick, 1 story, 16x5 feet, 1 story, 27x3 feet.

Storage, 2110 South Isenminger street, \$1,000. A. A. Piesbing (O), 118 South Thirteenth st. Wm. R. Dougherty (C), 1610 Sansom street.

Store, 256 North Broad street, \$1,000. N. G. Benson (O), 1420 Vine street. Michael S. Karshner (C), 421 Snyder avenue. New flush bulk.

Store and Dwelling, 229 North Eighth street, \$500. Abram Rubin (O), 325 South Fifty-seventh street. Sam Zibman (C), 1724 North Marshall street. Brick, 1 story, 16x16 feet, slag roof.

Store Building, Eighteenth and Morris sts., \$600. Oscar C. Schmidt (O), 1639 South Eighteenth street. Harry Dunkelacker (C), 227 North Farson street. Brick, 1 story, 18x9 feet, slag roof.

Auto Plant, Broad and Lehigh avenue, \$1,200. Ford Motor Co. (O and C), 2700 North Broad street. Two shutters from third to fourth floor and fourth to fifth floor. Iron on iron frame.

Apartments, 1429 North Fifteenth street, \$300. H. P. Woodward (O), Moylan, Pa. R. F. Marshall (C), 4213 North Sixth street. Brick, 1 story, 6x10 feet.

Dwelling, 310 Gladstone street, \$1,425. Jacob Handelman (O), 427 Dudley street. Lashmer Bros. (C), 1625 South Orkney street. Repairing fire damage.

Dwelling and Store, 140 North Seventeenth street, \$800. Margaret E. Address (O), 140 North Seventeenth street. John Dillon (C), 1848 North Front street. Repairs.

Dwelling, Lyceum and Mitchell streets, \$350. Arthur R. Littlewood (O), on premises. Wm. H. Eddleman & Son, 453 Green Lane. Second story porch, 12x16 feet.

Store and Dwelling, Marshall and Luzerne avenue, \$900. Henry Erb (O), on premises. Henry Stulzer (C), 4053 North Marshall st. Brick, 2 stories, 10x16 feet, slag roof.

Store, 3034 Kensington avenue, \$1,000. A. Weiner (O), on premises. Roland Ball (C), 3128 Reach street. Brick, 1 story, 11x12 feet.

Dwelling, 244 South Alder street, \$500. A. Mitchell (O and C), on premises.

Garage and Storage, north side of Eastburn street, west of Limekiln Pike, \$5,000. Robert Caris (O), 2018 Haines street. P. S. Waltz (C), 6610 North Seventh street. Brick, 1 story, 45x73 feet 6 inches.

Hotel, Rising Sun avenue and Northeast Boulevard, \$4,000. P. J. Hannigan (O), on premises. Conneen Const. Co. (C), 10 South Eighteenth street.

Two Family House, Fifteenth and Susquehanna avenue, \$6,000. A. Curtis Schofield (O), on premises. Moss & Taylor (C), 560 North Fifty-eighth street. Brick, second and third stories, 18 feet 10 inches x12 feet 6 inches.

Dwelling, 329 Washington avenue, \$800. P. Kelly (O), on premises. Joseph P. McDevitt (C), 3409 Wallace street. Brick, third story, 19x29 feet.

Dwelling, 6642 McCallum street, \$400. Chas. E. Hives, Jr. (O), on premises. C. F. Roeger (C), 51 North Hutchinson street. Repair fire damage.

Dwelling, 730 Fitzwater street, \$1,600. Dr. J. G. Harris (O), 728 Fitzwater street. A. P. Zucker (C), 5136 Parkside avenue.



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Face, Etc.).

O. W. Ketcham.....Builders' Exchange, Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.,  
Tasker st. wharf, Delaware River, Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.  
Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.  
Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.  
Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Contractors' Equipment.

Service Equipment Co.....Bourse Bldg., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

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A. B. See Electric Elevator Co.,  
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Warren-Knight Co.....136 N. 12th st., Phila.  
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Henry S. Harris.....Land Title Bldg., Phila.  
Metal Lathing Specialty Co.,  
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McCalla Co., The Harold...531 N. 4th st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truseon Steel Co....Commonwealth Bldg., Phila.

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Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.  
Morris Wheeler & Co. 30th and Locust sts., Phila.

## Furnaces and Ranges.

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Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co. 1332 Arch st., Phila.

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Apeldorn & Beatty Co....155 N. 9th st., Phila.

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Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co.,  
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Richardson and Boynton Co. 1332 Arch st., Phila.

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434 Walnut st., Phila.  
Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.  
Insurance Co. of North America,  
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## Levels.

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Italian Marble Mosaic Co...433 Spruce st., Phila.  
Roman-Cianci Co., Inc...3428 Warren st., Phila.

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Audubon Wire Cloth Co., Inc....Audubon, N. J.  
Consolidated Expanded Metal Co.,  
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McCalla Co., The Harold...531 N. 4th st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.

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William Moore Co.....1506 Sansom st., Phila.

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2035 Washington ave., Phila.

## Safety Guards.

William Moore Co.....1506 Sansom st., Phila.

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Kensington Metal Co....1612 N. 2nd st., Phila.

## Screens.

The Fairbanks Co.....7th and Arch sts., Phila.

## Steam Specialties.

Thos. J. Malia.....141 Wentz st., Phila.

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## Soundings.

William Moore Co.....1506 Sansom st., Phila.

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Real Estate Trust Bldg., Phila.

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John B. Rulon.....1355 Colwyn st., Phila.

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Ridpath & Potter Co.....Bourse Bldg., Phila.  
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1919

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## ASSETS

|                                      |                 |
|--------------------------------------|-----------------|
| Bonds and Stocks.....                | \$24,280,745.19 |
| Cash in Banks.....                   | 2,395,335.33    |
| Premiums in course of transmission.. | 3,203,681.96    |
| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

## LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

Total Liabilities ..... \$30,801,413.40

Surplus to Policyholders..... \$ 12,922,516.93  
Losses paid since organization 203,147,689.78

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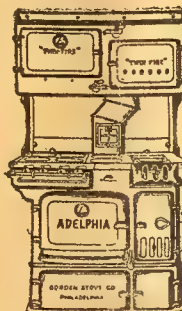
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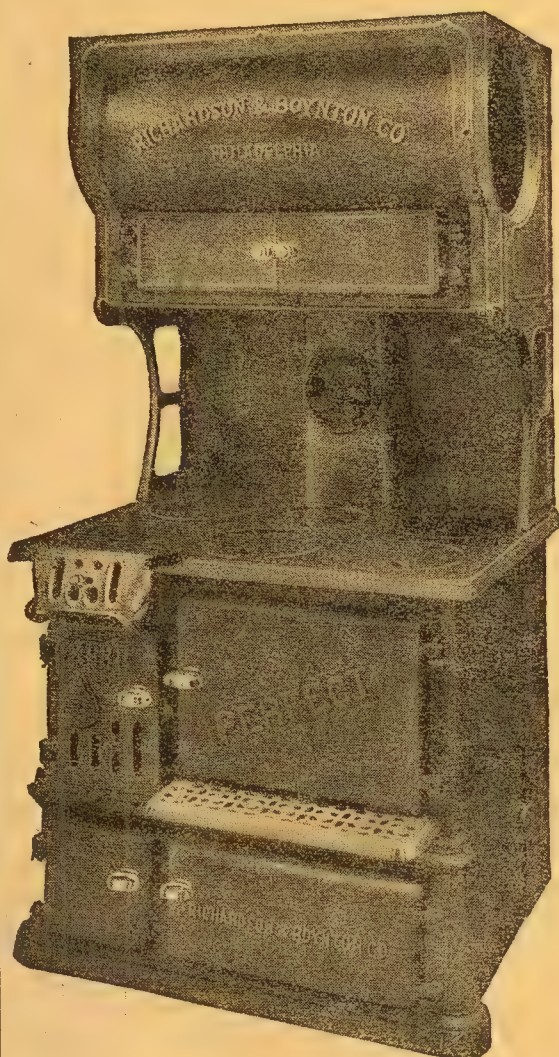
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 19  
May 7, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

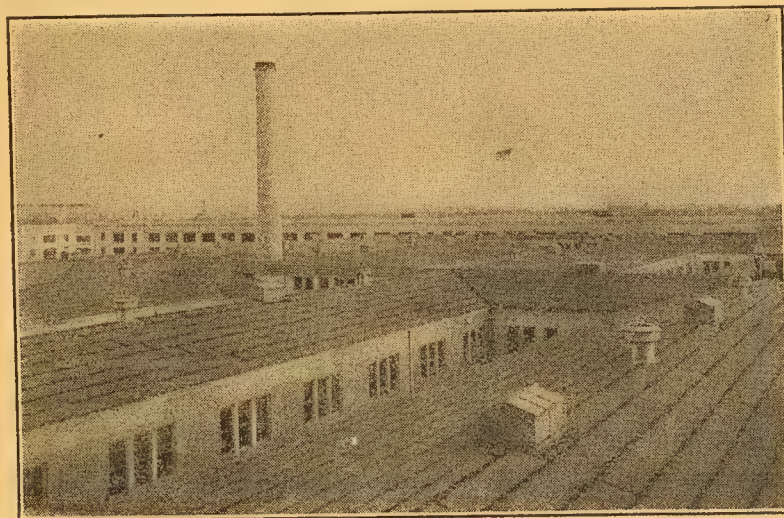
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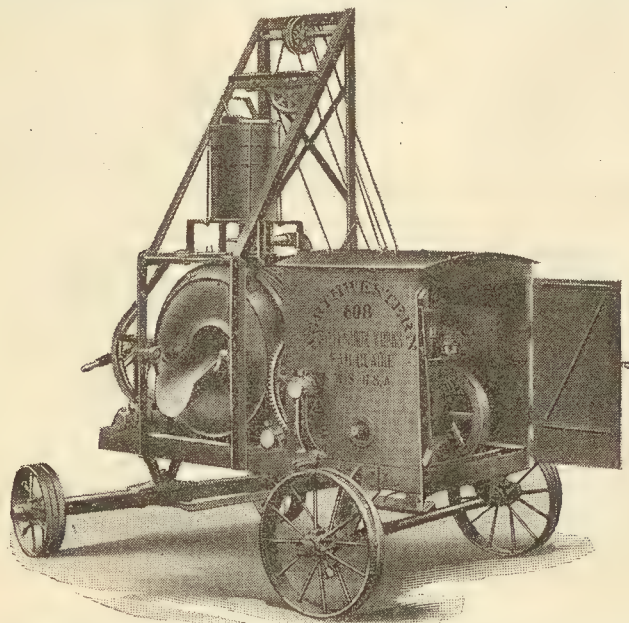
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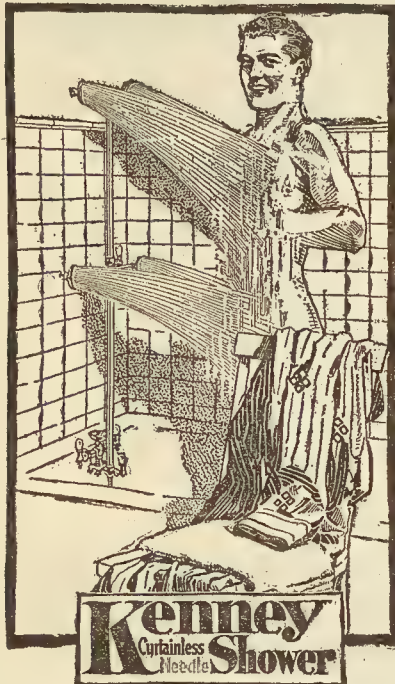


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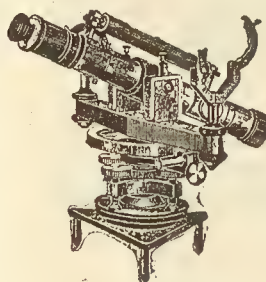
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 19

PHILADELPHIA  
May 7, 1919

## BUILDERS' GUIDE

OFFICES, PERRY BUILDING (Suite 824-825-826)  
Sixteenth and Chestnut Sts., Philadelphia, Pa.

PUBLISHED WEEKLY  
BY

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## As The Editor Sees It



IN last week's issue of the GUIDE we printed a letter from Mr. D. Knickerbocker Boyd, criticizing the architects' apparent lack of interest in affairs vital to his profession. Mr. Boyd drew his conclusion from the poor attendance of architects at conventions and meetings held recently, in this section of the country, where matters of vast import to architecture and construction were discussed.

In a recent issue of *The Pacific Coast Architect and Engineer*, "The Architect and His Education," by Carl F. Gould, A. I. A., originally read at the annual meeting of the Washington State Chapter American Institute of Architects, is full of suggestions and ideals which if put into practice will lift the architect from the habits of carelessness and sloth, into which he has fallen, according to Mr. Boyd's impression.

"Are we not now about to enter a revolutionary period or moment of protest in the world's educational history?" asks Mr. Gould. The term "educated man" does not carry with it the universal approbation it did a few years ago, as we all realize. The educated man as such today, is considered erudite. The erudite person we consider, I believe, one who has an avaricious intellectual fund of information, rather inclined to exhibit it, but when deeds and actions are needed, his interpretation somehow does not apply, and he is discarded for one who has, maybe, a crude solution, but nevertheless one that works.

We know ourselves that the well-trained man is, generally speaking, capable of handling problems which the public does not give him credit for being able to solve. The consequence was and still is that many jobs which properly should come into an architect's office, go to contract designers and others who have no training or adequate experience. It is the tragedy of the profession. These men, however, are able to get away with it because, even in their crude manner, they make certain, above all, to bring themselves before the public. The public does not today go out of its way to rout out hidden talent. Talent must come forth and make itself evident or go unused.

In order to analyze this problem we will consider three phases of education which may, we hope, throw some light on this more than unfortunate situation. Education of the student, education of the architect and education of the public.

Have we, or our so-called best educated associates, been able to cope with our present-day problem satisfactorily? Has the education of an architect been such, within our experience, or observing that of others, one which has or has not prepared him for the conditions in which he now finds himself—the everyday, workaday world? This, of course, will be answered by each individual according to his interpretation of what is satisfactory. But has the education of the architect had equally successful ap-

plicable results, as, say, that of the engineer, lawyer, doctor, chemist, etc.?

My answer would be that of all the professions, we have obtained the least apparent success or recognition from the public. If that is so, then the next grave question we must ask, is it the faulty education which we received which has brought our profession so low in public esteem, or have we failed to be instructed in the correct manner in which to exhibit our "wares" to the public, or is there something wrong with the public?

As soon as the human mind becomes conscious of the pleasure an orderly arrangement gives, it then begins to apply order in conscious fashion. The orderly supports must have correspondingly orderly rafter-ends, and these in turn, due entirely to the necessity of construction, give regularity of spacing to all the parts. As wealth and leisure increase in the early civilization, the conscious sense of order becomes so keenly appreciated that the spacing of columns and rafter-ends is looked upon as something worth while per se, and abstract beauty comes into the world as a form of conscious human expression. From that moment civilization begins to weave its marvelous web of abstract form, which has been an expression of its joy of existence ever since. Without beauty of form, what a poor place to live in this world would be! If it were possible to emerge from the cave, our schools and our homes, our business blocks would be all of sim-

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**BLUE  
PRINTS**



ilar story heights, similar openings for light and entrance, there would be no entheses to columns or supports, no sensitive channeling with their varying play of light, no crown mold with their sensitive anthemion ornament, no sculptured tympanum—a world from the beginning to the end of drab uniformity.

If, however, we were to believe the average business man, that unfortunate individual who temporarily occupies life's stage, it would be just such a world that he would drag down upon himself. One of these practical affairs which he is so constantly reiterating, and why, for goodness sake, the architect has not the courage to give him what he wants, or rather, what he says he wants; but no, we always, by indirection, give him more than he thinks he wants in the way of architectural impressiveness, and he goes away proud at heart in the possession of something people tell him is impressive, and that at once reacts upon his self-importance.

Who does not know the enthroned banker, glorying in his marble, bronze and gilt, which if taken from him would leave him naked indeed?

In face of all difficulties, must we not therefore persist in giving the public what it does not apparently want in the way of architecture and design?

If then we admit, which probably some of you do not, that design still has a function to perform even in spite of the receiving public hostility, let us inspect with care the types of architecture we are endeavoring to impose on this practical era of ours. Let us see how these various types of architecture have been the result of our educational process, and whether or not they adequately fit the modern world apparently industrially made.

Are not the examples of office buildings on every city's thoroughfare, rising story upon story, accentuating the horizontal members, and topped by a huge classic cornice, are they not architectural perverses? We see their great blank side, but are unable ever to appreciate them from the angle of the drafting board design. Again we have in our midst splendid models in red sandstone, of deep revealed medieval architecture, round-arched, trying their very best to squeeze themselves into the requirements of alert office buildings. Perhaps, after all, our dumb business man may have reason to object, and perhaps we are reaping the fruits of the sins of the early practitioner.

They, Hunt, Richardson, and others, obtained their education in foreign lands by travel and little superficial study in the Ecole des Beaux Arts. They sketched beautifully and saturated their minds with the French Renaissance, the Romanesque and the Palladian classic.

They came back to this country during a period in which architecture was at its very lowest ebb—from 1855 when Richard Hunt returned to New York, until perhaps the Chicago World's Fair. They found an architecturally sterile field, and their individual preference for style found no opposition and was imposed broadly in many exceedingly beautiful monuments without discrimination, whether Fifth Avenue residence, bank, club or office building. The conditions of the problem, structural or otherwise, were secondary to the design. The problem was imposed from without, and the conditions of utility were lightly regarded. Every city from the Atlantic to the Pacific, has examples of work of these men or their followers. The World building in New York gave the suggestion for such buildings as the Pioneer and Burke buildings of Seattle, etc., which it would be impossible for us to conceive as a basis for an evolved type. We must give credit to these men for establishing a high standard of scholarliness in the profession, and raising the architect in public esteem, but they utterly failed to establish sequence in architectural evolution.

After these men had held sway there appeared on the horizon a younger group, headed by Sullivan of Chicago, which swung to the opposite side of the pendulum, scorned European precedent, and in a vigorous and highly commendable way, endeavored to bring about a solution of the architectural enigma, by solving the problem purely and entirely on the basis of structure and ornamental application without precedent devised on the basis of cross sections of the sea anemone; delighted in ignoring all historic and abstract design previously devised. A wave again coursed through architectural design, of which we find a reflex, in some cases excellent, in other cases totally without merit, such as the Melhorn Building and the Moore Theatre, Seattle. Again the sequence of architectural evolution is broken, these designs no longer have weight, although much has been contributed to a more accurate architectural thinking process, that is, the evolution of a design from the conditions and based upon the conditions. The designs of this group of men seem to have failed. As we review the whole history of architecture, we find no individual who has successfully stemmed the current of architectural tendencies. The great men of the past, Pericles, Michael Angelo, Suges, seem to have obtained success only by re-created masterly summaries of the current architectural thinking, and not by going off at tangents of their own individual concoction. Our riot of individualistic architectural ex-

pression of modern times which we so deprecate, is due, without question, to the fact that we do not sufficiently react with the public; we are left too much with our own individual interpretation. We need the intelligent reaction of the public to obtain permanent results. The Greek Temple had been slowly evolving for hundreds of years before the perfected Parthenon was built. The thoughts and ideas upon which the great cathedrals were designed and constructed have a miraculously woven sequence through the Romanesque even to the Roman. Louis Sullivan, Frank Lloyd Wright, Richardson, Hunt, all tried and are trying to impose an architecture upon the world, each as different in its fundamental intention as could be, and evolved out of an unsocial and highly individualistic mental concept.

Now what we need is, first of all, more collective thinking, both on the part of the architect and on the part of the public, and until we do think more nearly alike it is doubtful whether we will make progress towards a permanent architecture. I am sure I perceive protest, protest against uniformity—it has been our slogan above all to be original. The public says, build me a house, I don't care what or how, the only condition I make is, it shall have absolutely no semblance to its neighbor's. Any suburban street in any American town is evidence of this fact. An heterogeneous assortment of every period and type, and the whole commonplace, misfit, sterile and terrifying in its ugliness.

Compare the beautiful little town of Broodnay in the Cotswald (or the newer town of Forest Hills). Simple domestic architecture, all Tudor, even those recently built, each expressing individuality and solving the individual problem, but the whole portraying a unity of effect which leaves a permanent impression of charm and domestic friendliness.

Snyder in New York has devised a school design which he has improved as it has been repeated, but St. Louis and Chicago discard the type because their architects would be criticized for plagiarism if they followed his lead. The poor long suffering school problem is still being distorted by being forced into Romanesque, Art nouveau and every variety of classic design.

The newer education shows tendencies toward a more rational and greater uniformity of method. It does not discard historic precedent; it brings into the foreground the great masterpieces of the past for inspiration; it analyzes them in terms of the then existing conditions, but above all it teaches us to solve our present day problem in terms of practical requirements, conditions of construction, materials, locality and cli-



mate. It remains for our educational process to be willing to search out greater universal tendencies and develop our thought in their directions. However much we older men may be able to adjust our thinking process to the newer order, for the newer order is coming as certain as day follows dawn, we can never do so with the agility of the embryonic architect or the student who is now getting his ground work established. Our schools of architecture should be the most fertile preparatory field for the mold in which he eventually must find a niche. We can only hesitatingly forecast what this mold will be, and prepare imperfectly our courses of instruction for the boys who will enter it.

The two great conflicting points previously expressed, the following of historic precedent with such close servility as to create misfits; or the utter ignoring of precedent and creation of sterile riot of individuality. No architect's education could, we believe, be considered complete without an intelligent understanding of historic styles, without being able to interpret the subtle fineness of the Greek, the sumptuous dignity of the Roman, or the austere aspiring quality of the medievalist. The student's problems will by no means close at this point. He must be taught the processes of analyzing a problem accurately in terms of its conditions; be able to reduce the complex into its component elements, sense the essentials of a problem, place them in their relative order with equal skill, whether the plan of a workman's cottage, an industrial plant or a courthouse. All the while his thoughts must be shot through with an awakened sense of relative truth in form or proportion. This sense of pure beauty to be attained variously by drawing from life, modeling in clay, exercises in color, and by the abstract study of form or esthetics.

In this analysis of instruction we cannot omit the study of mathematics and construction, the necessity of which is well recognized. Just as the figure of a man fully clothed is his flesh and blood, full of action and joy in living is only possible if the bone framework is sound, so a knowledge of the framework of art or structure of its members must be thoroughly attained.

An awakened sense, therefore, must pervade the whole sequence of education and mold into one mind fabric the visions of a man's past achievements, the logical methods of rational determination and a knowledge of the laws of structure. This is indeed a big undertaking as a program of education, and one that can only be imperfectly attained. It is possible, however, we believe, to give a direction of mind to the student which will permit him to more nearly complete

the process long after leaving the atelier. There no doubt will be many shortcomings among the future generation of architects, but upon the experience of the past, we believe their education, whether in the office or the school, should prepare them better for the greater opportunities, perhaps the most extensive building era the world has ever seen.

Now finally for the architect himself, we men assembled here, what can we do to help our situation? Let us be a little selfish and look to our own self-preservation. For are we not deserving of some recognition for the self-sacrifice we have been putting into the profession? Willing to give more, to put more into service for the public, and be content to receive so little in recompense? Can we not, with propriety, help ourselves to get added returns and joy out of the few chances that still may be coming to us?

Due to the demands upon our sympathies and the necessity of service brought about by the war, the world consciousness has departed from its individualistic isolation; we are now becoming a really united family, not only within our border, but beyond the seas. We are attaining a far greater unity of consciousness.

Architects must take on something of the new enlarged consciousness that has come and is coming to the world. If the practicing architect of today can't do it, someone else will. The contractor or engineer will gradually work into being a full fledged practitioner in the newer school. We must, as never before, be alert; we must be prepared to tackle the new problems; we must be prepared to tackle the old problems in a new way. The housing problem, the industrial plant that needs reorganizing and re-planning, the farm building. Not only must we be ready to get out our drafting boards with these new problems upon them, but we must be ready to meet the workingman, know him at his local headquarters; we must be ready to meet the overseas shipper and learn his terminal problems; we must go into the country and meet the farmer and become interested with his problems. We can no longer rely so completely upon our architectural plates. We cannot any longer impose upon them problems as previously solved. We must solve their problems on the basis of their own needs, their own ability to pay, and upon the revenue derived.

There are terra cotta plants, wood working plants which need reorganization. We must be willing to inspect them, follow through their special needs and reorganize their plants on the basis of good planning insofar as it interprets their requirements.

The conditions of utility, climate, materials available, all enter into the resolution of the problem, as we know.

The architect is by far the best equipped man today to take over these enlarged problems. But the public does not think so, and does not know or care to know so, and he, the architect, is being sadly ignored and is rarely employed in these undertakings. The new order of things is going to require, unless the world's progress is to cease, the solution of innumerable problems such as these. We, as architects, must attain greater public recognition for our ability. We must do it by standing together, working as a unit. We should not seek to hide our talents. It is neither fair to us nor to them. We owe it to the public to exhibit our wares. We must and should keep them informed through the press of our capacity for service. The medium of recognition has, as we know, vastly changed since our fathers' time, when personal contact was all that was necessary to get recognition. We must not forget that method either, we must meet men as before, though in a larger spirit of friendliness, in the various walks of life. But we should forget our former professional false modesty. At the club, upon the street, in the street car, if the spirit moves us, we should not be ashamed to talk shop to interest a fellow traveler in the subject which is nearest our hearts. You often have to listen respectfully to business men's talks upon topics, why shouldn't the public listen to us upon our topic, infinitely more interesting than theirs if we take a little pains to make it so. When our fellows do a good bit of work let us praise it and him openly, and do not confine criticism to adverse comment. Let us for a while at least leave out our adverse comment even upon the most hated rival. Let us see that the press, by persistent effort, will again mention the name of an architect. If it is necessary to take out paid publicity, for heaven's sake let us do it. But above all, let us get into the game in every manner or way that receives the approval of our enlightened conscience. And let us do it in common, with joint action, mutually and with common friendliness.

The greatest opportunities are just ahead. Shall we try to grasp them as a Richardson or a Hunt or a Sullivan, and fail in establishing an architectural sequence? The world will not again stand for it. Our problems are more universal today, and they must be solved in a far more universal fashion.

Individuality must count as never before, but it must be the joint individuality of the men in the profession working together with a far larger consciousness.



# Advance Construction News

CONTEMPLATED CONSTRUCTION: ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING;  
CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Gasoline Filling and Service Station**, Broad below Huntingdon streets. Architect, Charles E. Oelschlager, 1615 Walnut street, Philadelphia. Owners, Keystone Pure Oil Co., Broad below Huntingdon street. Brick, concrete and frame, terra cotta, 1 story, 76x150 feet, slag and copper roof, stone foundations, steam heat, electric light, plumbing, cement floors, tanks, pumps, air compressors. Architect has received bids.

**Apartment House**, 4419-25 Walnut street, Philadelphia. Architect, D. Knickerbocker Boyd, Otis Building, Philadelphia. Owner, Pasquale Teti, 800 South Tenth street, Philadelphia. Brick, 3 stories, 92x110 feet, slag roof, hardwood floors, vapor heating, electric lighting, tile work. Plans in progress. Architect will take bids in ten days.

**Factory (alts. and add.)**, Chancellor and Hutchinson streets, Philadelphia. Architects, Dodge & Morrison, 135 Front street, New York City. Owners, O. J. Maigne Co., 1017 Sansom street and 300 Pearl street, New York City. Brick and cut stone, 3 stories, 45x86 feet, gravel or slag roof, concrete and maple floors, concrete foundations, skylights, roof ventilators, metal ceilings, steel and ornamental iron work. Architects have received bids.

**Restaurant Building (alts. and add.)**, 1604 Chestnut street, Philadelphia. Architect, Charles E. Oelschlager, 1615 Walnut street, Philadelphia. Consulting architect, Paul J. Henon, 10 South Eighteenth street, Philadelphia. Owners, Cheri, Inc., care of John G. Patton, Fifteenth and Chestnut streets. Rear addition, 4 stories, general remodeling of entire building, slag roof, tile and composition floors, steam heating, electric lighting, tile and marble work, freight elevator, hollow metal skylights, kitchen equipment. Architect ready for revised bids.

**Store and Dwelling**, 724-28 South street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, Mr. E. Parris, on premises. Brick and stone, 3 stories, 40x62 feet, slag roof, pine, parquet and oak floors, stone foundations, hot water heat, electric light, tile and marble work, metal lath, freight elevator, hollow metal skylights, fire doors, roof ventilators, metal ceilings, damp-proofing, iron work (lighting fixtures and papering reserved). Architect taking bids, due May 14th. B. Bornstein, 1510 North Franklin street; H. Seidman, 1312 North Sixth street; Thomas C. Trafford, 1613 Sansom street; Rath Const. Co., 304 Master street, are figuring.

**Dwellings (10)**, Apsley street, west of Pulaski avenue, \$50,000. Architect, private plans. Owner, John H. McClatchy, Land Title Building, Philadelphia. Brick, 2 stories, 16x28 feet, 12x10 feet, slag roof, hot water heat, electric lighting. Owner will build.

**Dwellings (10)**, Morris street and Berkley street, \$50,000. Architect, private plans. Owner, John H. McClatchy, Land Title Building,

Philadelphia. Brick, 2 stories, 16x28 feet, 12x10 feet, slag roof, hot water heat, electric lighting. Owner will build.

**Dwellings (4) and Garage**, Rutland and Fillmore and Harrison streets, Philadelphia, \$18,000. Architect, private plans. Owners, Rush Bros., 1100 Fillmore street, Philadelphia. Brick, 3 stories, 16x16 feet, 2 stories, 16x29 feet. Brick, 1 story, 18x99 feet, slate and slag roof, hot air heating. Owners will build.

**Dwellings (4)**, Orthodox street and West Torresdale avenue, \$20,000. Architect, private plans. Owners, Cezary & Labowitz, 2015 Orthodox street, Philadelphia. Brick, 2 stories, 16½x60 feet, 16x73 feet and 16x46 feet, 12x14 feet, slag roof, hot water heating, electric light. Owners will build.

**Dwellings (23)**, Fisher's avenue and American street, \$82,000. Architect, private plans. Owner, Emil P. Stahl, 5209 North Third street, Philadelphia. Brick, 2 stories, 16x40 feet, 14½x23 feet, 11x10 feet, slag roof, hot water heat, electric light. Owners will build.

**Stores (4) (alts.)**, 38-40-42-44 South Eighth street. Architects, Greisler-Abramson Co., Lafayette Building, Philadelphia. Owner's name withheld. General interior and exterior alterations to first floors, new bulks, tile work, hardwood floors, mill work. Architects are taking sub-bids.

**Plant Extension**, Twenty-fifth and Washington avenue, Philadelphia. Architect, private plans. Owners, Philadelphia Roll and Machine Co., care of L. R. Hilyard, on premises. Steel and corrugated iron, 1 story, 46x60 feet, concrete footings, corrugated iron roof, rolling steel doors. Owners are taking bids. Ketcham & McQuode, 1029 Brown street; Wark & Co., 1737 Filbert street; John N. Gill & Co., Otis Building; Hughes-Foulkrod Co., Commonwealth Building; J. S. Rogers Co., Drexel Building; Barclay White Co., Presser Building; Wm. Steele & Sons Co., Sixteenth and Parkway; Belmont Iron Works, Twenty-second and Washington avenue; Robert B. Lederle, Witherspoon Building, are figuring.

**Bank Building**, Eleventh and Montrose sts., Philadelphia. Architects, MacKenzie & Wiley, Liberty Building, Philadelphia. Owners, South Philadelphia State Bank, 923 South Eleventh street, Philadelphia. Brick and stone, 30x90 feet. Plans in progress.

**Dwellings (30)**, Twentieth and Spencer sts., Philadelphia, \$121,000. Architect, private plans. Owner, Charles H. Eckman, 2126 N. Sixteenth street, Philadelphia. Brick, 2 stories, 15x29 feet, 11x11 feet and 15½x40 feet, slag roof, hot water heating, electric lighting. Owner will build.

**Store and Apartment (alts. and add.)**, 2154 Ridge avenue, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, S. Englander, 2154 Ridge avenue, Philadelphia. Brick and cut stone, 3 stories, 21x20 feet, slag roof, pine floors, stone foundations, tile and marble work, waterproof-

ing, structural steel and ornamental iron work. Architects have received bids.

**Residence and Garage**, Lindley avenue and Warnock street, Philadelphia. Architects, MacKenzie & Wiley, 806 Liberty Building, Philadelphia. Owner, Dr. W. S. Schantz, D and Allegheny avenue, Philadelphia. Stone, 2½ stories, 25x32 feet, and 1 story, 18x20 feet, slate and tin roof, stone foundations, hot water heat, electric light, tile and marble work, oak floors, metal lath. Architects are taking bids. Davis & Clayton, 1817 North Twentieth street; Thomas C. Trafford, 1613 Sansom street; Nicholas Seurci, 1218 Catherine street, are figuring.

**Residences (27)**, Ninth and Loudon streets, Philadelphia. Architect, private plans. Owner, Harry Gill, Jr., 2515 Germantown avenue, Philadelphia. Brick and stone, 2 stories (garages in basement), 15x47 feet, slag roof, stone foundations, hot water heat, electric light, tile work, oak and pine and cement floors. Owner is taking sub-bids.

**Store (alts. and add.)**, 225 South Fifty-second street, Philadelphia. Architect, Julius J. Anderson, 256 South Fifty-fourth street, Philadelphia. Owner, S. Spector, 226 South Fiftieth street, Philadelphia. Brick and stone, 3 stories, 30x16 feet, slag roof, stone foundations, steam and hot water heat, electric light, tile and marble work, pine floors, metal lath, fire escapes and iron stairs. Owner has received bids.

**Elevated Stations (4)**, Allegheny avenue and Somerset street, Philadelphia. Architect, Department of City Transit, Bourse Building, Philadelphia. Owners, City of Philadelphia, City Transit Department, Mershon Building, Philadelphia. Brick, reinforced concrete and stone, terra cotta, etc. Lowest bidder: I. K. Davis Co., Woodstock and Church streets, No. 551, \$62,900; No. 552, \$54,750. All bids rejected.

**Garage**, Woodland avenue and Yewdell street, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, John M. Hanf, Greenway avenue and Conestoga street. Brick, 2 stories, 90x90 feet, slag roof, cement floor, electric elevator, concrete foundation, structural steel, electric light, steam heat, rolled steel sash, hollow metal skylights, flush bulk and office partitions, gasoline storage system. Owner will build.

**Store Building (alts.)**, 1110 Chestnut street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, S. Kind & Sons, 1110 Chestnut street, Philadelphia. Brick, 4 stories, 214x32 feet, repairs to roof and floors, hot water heating, tile and marble work, metal lath, metal window guards, kalamein doors, ornamental iron work (electric work and interior decorating reserved). Architect taking bids due May 12th. William R. Dougherty, 1610 Sansom street; H. E. Baton, 1713 Sansom street; F. E. Wallace, 1220 Chancellor street; F. B. Davis, 240



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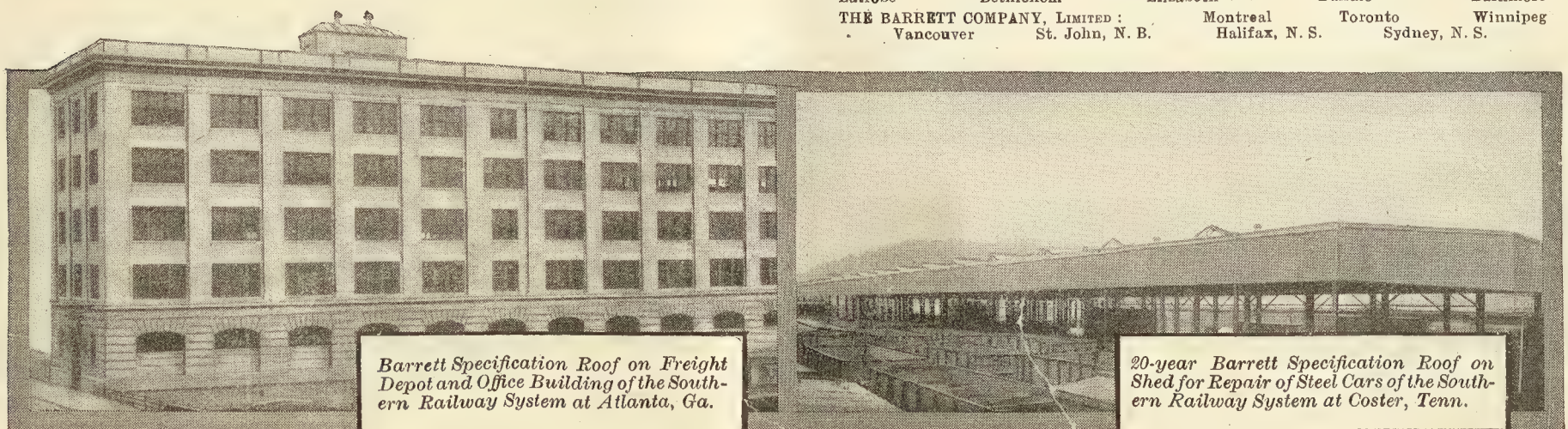
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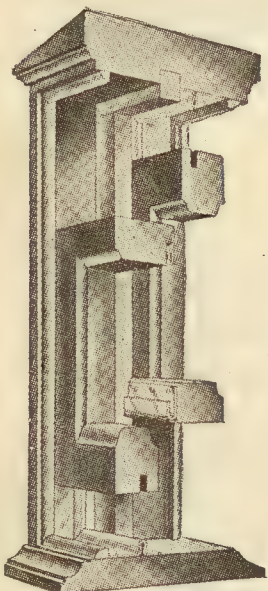
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North Sixteenth street; Smith-Hardican Co., 1606 Cherry street; E. E. Hollenback, Inc., 1804 Brandywine street, and Henry C. Dahl, 231 South Eighth street, are figuring.

**Sales and Service Building**, 1408-10 North Broad street, Philadelphia. Architect, Le Roy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, Joseph J. Greenberg, 309 Morris Building, Philadelphia. Concrete and steel, 2 stories, 62x200 feet, slag roof, cement floors, steam heating, electric lighting, tile and cement floors, hollow metal sash and skylights. Plans will be ready for bids May 5th. Architect will take bids due May 13th, at 10 A. M.

**Garage**, Sansom street, West of Forty-seventh street, \$1,800. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, N. Raidman, 4737 Sansom street, Philadelphia. Stone, 1 story, 16x200 feet, slag roof, cement floor, electric lighting, steam heating. Owner will build.

**Garage**, South side of Venango street, East of Lee street, \$3,500. Architect, private plans. Owner, Thomas Connor, 3329 North Fifth street. Brick, 1 story, 14x167 feet, slag roof, irregular in size, cement floor, electric lighting. Owner will build.

**Residences (14)**, Fifty-first and Springfield avenue. Architect, Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Steltz & Maloney, 1208 Chestnut street, eighth floor. Brick, 2 stories, 16x55 feet, garages, slag roof, oak and cement floors, hot water heating, combination lighting, tile and marble work. Owners are taking sub-bids.

**Store (alts.)**, 110 South Fifty-second street, Philadelphia. Architects, Greisler & Abramson, Lafayette Building, Philadelphia. Owner, Harry Rosen, care of architect. Brick, 1 story add. 21x27 feet, slag roof, pine floors, electric light and fixtures, tile and marble work, skylights, metal bulks (heating reserved). Architects taking bids due May 7th. Fred M. Quate, 1323 Snyder avenue; W. O. Springer, 1624 Latimer street; J. Gorchov, 4116 Girard avenue, and A. Barsky, 636 Pine street, are figuring.

**Apartment House**, Central District, Philadelphia. Architect, Frederick Webber, Morris Building, Philadelphia. Owner, name withheld. Brick, steel, stone, granite, reinforced concrete and terra cotta, 16 stories,

66x68 feet, slag roof, stone foundations, steam heat, electric light, tile, marble and terrazzo work, hollow tile, (2) elevators, roof ventilators, rolled steel skylights, fireproof doors. Architect is taking sub-bids.

**Residences (31)**, Woodstock street and Stenton avenue, \$117,800. Architect, private plans. Owner, William H. Leibrick, 2840 Rigde avenue, Philadelphia. Brick, 2 stories, 14-10 feet and 14-9 feet x30-11 feet x10 feet, slag roof, hot water heating, combination lighting. Owner will build.

**Factory (alts. and add.)**, Germantown avenue, near Cheltenham avenue. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, Chester A. Asher, on premises. Brick, 2 stories, 16x38 feet, stone foundations, painting, millwork, brick work, plastering, iron work Architects taking bids, due May 8th. Stokes Bros., 6723 Musgrave street; Wm. C. Wright, 22 Harvey street; Wm. J. Gruhler & Co., 219 High street; Robert E. Lamb Co., 843 North Nineteenth street; P. Haibach Cont. Co., Twenty-sixth and Thompson streets; F. B. Davis, 240 North Sixteenth street, are figuring.

**Synagogue (add.)**, Thirty-second and Morse streets, Philadelphia. Architects, Greisler & Abramson Co., Lafayette Building, Philadelphia. Owners, Congregation of Herem Israel. D. Goldstein, secretary, 5126 Contain street, Philadelphia. Stone, 40x60 feet addition, slate roof, hardwood floors, electric lighting and steam heating extension, leaded glass, cabinet work. Architects will be ready for bids in one week.

**Store and Dwellings (alts. and add.)**, 1921 South Seventeenth street, Philadelphia. Architect, Herman H. Kline, 536 Mifflin street, Philadelphia. Owner, E. Staffin, on premises. Brick and stone, 2 stories, 12x40 feet, slag roof, oak floors, hot water heat, combination light. Architect will be ready for bids in a few days.

**Factory**, 420-22-24 North Third street, Philadelphia. Architect, Herman H. Kline, 536 Mifflin street, Philadelphia. Owner's name withheld. Steel, brick and terra cotta, 4 stories (slaw burning construction), 50x150 feet, slag roof, 2-inch plank floors, stone foundation, steam heat, electric lighting, electric elevator, hollow metal doors, fire towers. Architect will be ready for bids in one week.

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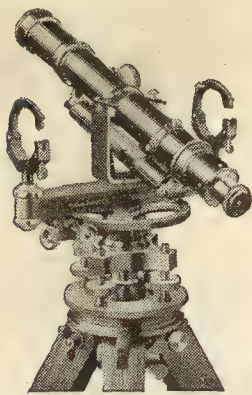
**SURETY BONDS**  
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 Pennsylvania Building, Phila.

**Residence**, School Lane, Germantown, Pa., \$50,000. Architect, Arthur H. Broekie, Presser Building, Philadelphia. Owner, Sydney E. Hutchinson, 1718 Walnut street, Philadelphia. Stone, 2½ stories, stone foundations, tile and marble work. Architect taking bids, due May 13th at 1 P. M. J. S. Cornell & Son, Morris Building; E. R. Hall, 34 South Seventeenth street; F. L. Hoover & Son, 1023 Cherry street; J. Sims Wilson Co., 1125 Brown street, are figuring.

**Factory**, Venango, Memphis and Tioga sts., Philadelphia. Architect, Herman H. Kline, 526 Mifflin street, Philadelphia. Owner's name withheld. Brick, concrete and steel, 1 and 2 stories, 70x600 feet, concrete foundations, steam heat, electric light, composition roof, reinforced concrete, skylights, sliding doors, plumbing, office partitions (elevator reserved). Plans in progress. Architect will take bids in ten days.

**Restaurant and Office (add.)**, 30 to 36 S. Fifteenth street, \$5,000. Architect, private plans. Owners, Philadelphia Central Realty Co., 1412 Chestnut street. Brick, 2 stories and basement, 20x42 feet, alterations. Owners will build.

**Convent**, Sixth and Tioga streets, Philadelphia. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, St. Veronica's R. C. Church, care of Rev. J. J. Donnelly, on premises. Brick and terra cotta, 3 stories, 90x35 feet, slag roof, oak floors, cut stone, stone foundations, tile and marble work, hollow metal sash and doors, structural steel and iron work (heating, plumbing, electric lighting and fixtures reserved). Architect taking bids, due May 12th. Monaghan & Losse, Inc., 3016 Chestnut street; H. H. Brocklehurst, 512 West Norris street; Roger Atkinson, Builders' Exchange; J. J. Murphy, 4034 Powelton avenue; Jacob Myers & Sons Co., Witherspoon Building; Wm. R. Dougherty,



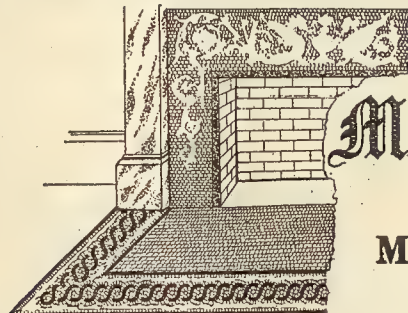
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433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

1610 Sansom street; D. W. O'Dea, 5227 North Fifth street, are figuring.

**Barracks (extension)**, Frankford Arsenal, Philadelphia. Architect, private plans. Owners, U. S. Government, Frankford Arsenal, Philadelphia. Brick, 2 stories, 25x32 feet, slate roof, cement and yellow pine floors, concrete foundations, hot water heat, electric light, waterproofing, iron work, screens. Owners taking bids, due May 14th at noon. Wm. Steele & Sons Co., Sixteenth and Parkway; F. W. Mark Cont. Co., Finance Building; Wark & Co., 1737 Filbert street; Ketcham & McQuade, 1029 Brown street; Monaghan & Losse, Inc., 3016 Chestnut street; W. W. Anstine & Co., 1218 Filbert street; H. H. Wehmeyer, 509 West Cumberland street; Wm. R. Dougherty, 1610 Sansom street, Philadelphia, and Piel Const. Co., Baltimore, Md., are figuring.

**Repairing Bridge**, Gibson avenue, Philadelphia. Architect, private plans. Owners, City of Philadelphia, Bureau of Highways, City Hall. Concrete and iron. Lowest bidders: E. C. Fisher, Philadelphia, \$12,110; Monaghan & Losse, Inc., \$13,000.

**Sales and Service Building**, 1408-10 North Broad street, Philadelphia. Architect, Le Roy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, Joseph J. Greenberg, 309 Morris Building, Philadelphia. Concrete and steel, 2 stories, 62x200 feet, slag roof, cement floors, steam heat, electric light, tile and cement floors, hollow metal sash and skylights. Architect taking bids, due May 13th at 10 A. M. Wark & Co., 1737 Filbert street; Wm. R. Dougherty, 1610 Sansom street; Standard Const. Co., 1713 Sansom street; Longacre Const. Co., Widener Building, Philadelphia, are figuring.

**Apartment House**, West Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut st., Philadelphia. Owner, W. H. Jacobs, 206 Penfield Building, Philadelphia. Brick, concrete, steel and Indiana limestone, 15 stories, 81x86 feet, tile roof, reinforced concrete and parquet floors, concrete foundations, steam

heat, electric light, tile and marble work, hollow tile, metal lath, 2 elevators. Plans in progress. Architect will take bids in about two weeks.

**Residence**, southeast corner Torresdale avenue and Magee street, \$5,000. Owner, James S. Larzelere, Land Title Building. Brick, 2 stories, 16½x56 feet, slag roof, hot water heat, electric lighting. Owner will build.

**Dwelling**, 5940 North Park avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Robert H. Howell, 5944 North Park avenue, Philadelphia. Brick, 2 stories, 16x44 feet, slag roof, hot water heating, electric lighting, tile work. Owner will build.

**Garage**, Moreland Road, east of Germantown avenue. Architect, H. G. Hammer, 808 North Seventeenth street, Philadelphia. Stone, 1 story, 50x78 feet, slag roof, cement floors, steam heat, gasoline storage system. Owner will take sub-bids.

**Dye House**, Emerald and York streets, Philadelphia. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owners, Firth & Foster, on premises. Brick, steel and concrete, 100x155 feet, slag roof, electric lighting. Plans in progress. Will be ready for bids in about one week.

**Manufacturing Building**, 1220-22-24 Sansom street, Philadelphia, \$250,000. Engineer, P. M. Sax, Franklin Bank Building, Philadelphia. Owners, Bailey, Banks & Biddle, 1218 Chestnut street, Philadelphia. Reinforced concrete, brick and steel, 12 stories, 43x80 feet, slag roof, rolled steel sash, cement floors, slate toilets, 2 elevators (steam heat, electric light and plumbing separate bids). Engineer taking bids, due May 14th. Cramp & Co., Denckla Building; Irwin & Leighton, 126 N. Twelfth street; Turner Const. Co., 1713 Sansom street; Warren-Moore Co., Colonial Trust Building; F. W. Mark Cont. Co., Finance Building, and Jacob Myers & Sons Co., Witherspoon Building, are figuring.

**Factory**, Tioga and C streets, Philadelphia. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Baxter, Kelley & Faust,



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29th and Ridge Avenue

PHILADELPHIA

on premises. Brick, 4 stories, 172x56 feet, slag roof, cement floors, terra cotta, concrete foundations, rolled steel sash, fire doors, steel and iron work (heating and lighting reserved). Architect taking bids, due May 9th at 10 A. M. H. E. Baton, 1713 Sansom street;

H. H. Burrell, 206 South Quince street; Royd-house-Arey Co., 112 North Broad street; Sutton & Stephenson, 1317 Washington avenue; J. Richard Jackson, Perry Building, and Hogg Const. Co., Denekla Building, are figuring.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Convenience Station**, Juniata Park, K and Cayuga streets. Architect, Joseph A. Roletter, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Property, City Hall. Hollow tile, brick and stucco, 1 story, 47x27 feet, tin roof, cement floors, tile work, hollow tile, hollow metal sash, waterproofing. Contract awarded Bowdin Construction Co., \$11,080.

**Caretaker's Lodge House**, Bartram Gardens, Fifty-second and Botanic avenue. Architect, Joseph A. Roletter, City Hall, Philadelphia. Owners, City of Philadelphia, Bureau of City Property, 216 City Hall. Brick and stone, 2 stories, 28x26½ feet, slate roof, hot air heat.

Contract awarded to Robbins Cont. Co., Lafayette Building, \$4,891.

**Grand Stand**, south side of Chestnut street, west of Fifth street, \$45,000. Architect, private plans. Owners, City of Philadelphia, City Hall, Philadelphia. Concrete and lumber. Contract awarded to Cramp & Co., Denekla Building, Philadelphia.

**Dwellings (3)**, Thirteenth and Oregon avenue, \$11,000. Architect, private plans. Owner, R. Jasper, 1828 South Fifth street. Brick, 2 stories, 16x47 feet and 16x25 feet, 12x26 feet, slag roof, hot water heating, electric lighting. Contract awarded to A. Koch, 525 Porter street, Philadelphia.

**Dye House**, northeast corner of Milnor and Homestead streets, \$12,000. Architect, private plans. Owners, Hellwig Silk Dyeing Co., on premises. Brick, 1 story, 38x129 feet, slag roof, iron work (heating and lighting reserved). Contract awarded to F. W. Van Loon, Denekla Building, Philadelphia.

**Garage**, 514 East Sedgwick street, Philadelphia, \$5,000. Architect, private plans. Owner, F. A. Taylor, on premises. Stone, 1 story, 21x32 feet, tile roof, concrete floors hot water heating, gasoline storage system. Contract awarded to Concrete Const. Co., 1618 Thompson street.

**Dwelling**, Tabor Road, south of Cottman street, \$3,500. Architect, private plans. Owner, Emily Greenwood, care of builder. Brick, 2 stories, 15x40 feet, slag roof, hot water heat, electric light. Contract awarded to M. Stevens, 916 St. Vincent street, Philadelphia.

**Dwelling (alts.)**, 2409 South Sixty-second street, Philadelphia, \$3,300. Architect, private plans. Owner, Wm. Swerdlen, on premises. Brick, front addition, 2 stories, 15½x8 feet, slag roof, flush bulk and alterations. Contract awarded to Jacob Bender, 1817 S. Fourth street, Philadelphia.

**Dwellings (7)**, Harrison street, east of Oakland street, \$35,000. Architect, private plans. Owner, Samuel E. Cavier, 4846 Leiper street, Philadelphia. Brick, 2 stories, 16x34 feet, 12x11 feet, slag and slate roof, hot water heating, electric lighting, tile work, oak floors. Contract awarded to Geo. Edel, Hillcrest and Stenton avenues.

**Store**, 5520-22 North Fifth street, \$6,000. Architect, private plans. Owner, Wm. M. Henzler, 5518 North Fifth street, Philadelphia. Brick, 1 story, 30x60 feet and 15x8 feet, slag roof, electric light. Contract awarded to Alfred Steinhouser, 5422 North Fifth street.

**Office and Storage Building (alts.)**, 1305 Walnut street, Philadelphia. Architect, private plans. Owners, Pennsylvania Co., 517 Chestnut street, Philadelphia. General interior alterations. Contract awarded to A. MacTavish, 1515 Pine street, Philadelphia.

**Dwelling**, 7847 Ridge avenue, \$4,300. Architect, private plans. Owner, Nelson Sloan, on premises. Frame, 2 stories, 26x42 feet. Contract awarded to C. M. Swartley, 6835 Ridge avenue.

**Residences (15)**, Fifty-fourth and Pentridge streets, \$68,600. Architect, private plans. Owner, Edw. J. Rush, 1018 South Fifty-fifth street, Philadelphia. Brick, 2 stories, 16x32 feet, 13x10 feet and 16x47 feet, slag roof, hot water heating, electric lighting. Contract awarded to Edw. J. Rush, 1018 South Fifty-fifth street.

**Barber Shop (alts. and add.)**, Commercial Trust Building, Philadelphia. Architect, private plans. Owners, Pennsylvania R. R. Co., Real Estate Department, 701 Broad Street Station. Millwork, painting, tile, marble and



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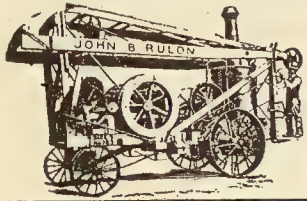
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terrazzo work, mirrors. Contract awarded to Harry R. Rust, 724 Ludlow street, Philadelphia.

**Stable Building**, Merion avenue, below Girard avenue, \$20,000. Architect, private plans. Owners, Supplee, Wills, Jones, Twenty-sixth and Jefferson streets. Reinforced steel and concrete and brick, 2 stories, 112x50 feet, asphalt roof, cement floors, concrete foundations, waterproofing, dampproofing, iron work (lighting reserved). Contract awarded to Geo. Kessler Cont. Co., Drexel Building.

**Residence (alts. and add.)**, 1917 N. Broad street, Philadelphia, \$10,000. Architect, private plans. Owner, Leo Balzeret, on premises. Brick, 1 story, 20x14 feet, slag roof, stone foundation, oak floors, electric lighting. Contract awarded to Geo. Kessler Cont. Co., Drexel Building.

**Coal Pockets and Trestle**, Trenton avenue and Westmoreland street. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Owen Letters' Sons, on premises. Concrete and timber, 256 feet long and 16x16 feet, slag roof, concrete foundations, iron floors and work. Contract awarded to H. E. Baton, 1713 Sansom street, Philadelphia.

**Warehouse**, 943-51 North Second street, Philadelphia, \$50,000. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, United Wholesale Grocery Co., on premises. Reinforced concrete, steel and brick, 3 stories, 80x200 feet, slag roof, steam heat, electric light, yellow pine floors, metal lath (1 elevator reserved), rolled steel sash and skylights, roof ventilators. Contract awarded to B. Bornstein, 1510 North Franklin street, Philadelphia.

**Stores and Apartments (alt. and add.)**, 155-57 Cheltenham avenue. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, S. Fisher, on premises. Brick, 40x26 feet, second and third floors to 2 apartments, slag roof, oak floors, hot water heating, electric lighting, metal bulks. Contract awarded to A. Bershofsky, 545 North Seventh street, Philadelphia.

**Garage**, 6426 Sherwood road, Philadelphia. Architect, private plans. Owner, Elmer G. Parsly, on premises. Hollow tile and plaster, 1 story, 13½x21 feet, slate or asbestos shingle roof, cement floors, hollow tile, steam heating. Contract awarded to Charles C. Pace, Merion, Pa.

**Factory and Office**, Northeast Corner Trenton and Erie avenues, \$15,000. Architect, private plans. Owners, Hulburt Oil & Grease Co., on premises. Brick, 2 stories, 40½x66½ feet, slag roof, cement and pine floors, electric lighting. Contract awarded to Wark &

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Co., 1737 Filbert street, Philadelphia.

**Warehouse (alts.)**, 222 North Delaware avenue, \$4,500. Architect, private plans. Owner, Bernard S. Pincus, on premises. 5 stories, 18x144 feet, concrete floors, plumbing, tile and brick work, mill work, new partitions, interior alterations. Owners will build.

**Manufacturing Building (add.)**, 884-90 North Forty-eighth street, \$5,000. Architect, private plans. Owners, Scott Powell Dairies, on premises. Brick, 1 story, 28x72 feet, slag roof, cement floor. Owners will build.

**Dwellings (2)**, Cheltenham avenue, East of Hasbrook avenue, \$6,000. Architect, private plans. Owner, John G. Hofstetter, 6310 Rising Sun avenue. Frame, 2 stories, 16x34 feet and 1 story, 16x9 feet, shingle roof, electric lighting, hot water heating. Contract awarded to H. W. Ayers, 5814 Hasbrook avenue.

**Garage and Shop**, Northeast Corner Lee and Willard streets, Philadelphia. Architect, private plans. Owner, Alex. Neldrum, 3249 North Front street, Philadelphia. Brick, 1 story, 65x17½ feet, slag roof, cement floor. Contract awarded to Thomas Matthews & Son, 2336 North Hancock street.

**Garage**, 2426-30 Germantown avenue, \$15,000. Architects, Wm. F. Koelle & Co., Twenty-sixth and Oxford streets, Philadelphia. Owners, Breyer Ice Cream Co., Eighth and Cumberland streets, Philadelphia. Brick, 1 story, slag roof, cement floors, sliding doors, stone and concrete foundations, ornamental terra cotta (heating and electric wiring reserved). Contract awarded to Wm. F. Koelle & Co., Twenty-sixth and Oxford streets, Philadelphia.

**Factory Extension**, 1237 North Howard st., Philadelphia, \$30,000. Architect, private

plans. Owners, E. J. Spangler Co., on premises. Brick, 2 stories, 50x108 feet, stone foundations, steam heat, electric light, slow burning construction, slag roof. Contract awarded to J. S. Rogers Co., Drexel Building, Philadelphia.

**Residence**, Seventieth and Overbrook avenue, Overbrook, Philadelphia, \$40,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Morris Estate, Green Hill Farms, care of Morris Wood, Sixty-fourth and City Line, Overbrook, Pa. Stone, 2½ stories, 69x46 feet, shingle roof, stone foundations, hot water heat, electric light, tile work, oak floors. Contract awarded to Alfred James, Bala, Pa.

**Garage**, northeast corner of Twentieth and Green streets, Philadelphia, \$2,500. Architect, private plans. Owner, L. B. Levy, on premises. Brick, 1 story, 18½x36 feet, slag roof, cement floors, electric light. Contract awarded to Willard Myers, 2000 East Cambria street.

**Stable (add.)**, 2423 Spruce street, Philadelphia, \$5,500. Owners, Charles E. Hires Co., 208 South Twenty-fourth street, Philadelphia. Brick, 2 stories, 19x17½ feet, iron, 1 story, 19x84 feet, slag roof. Contract awarded to C. F. Roeger, 51 North Hutchinson street, Philadelphia.

**Streets, Sewers, Cement Walks**, Sixty-ninth and West Chester avenue, \$50,000. Engineers, Franklin & Co., 1420 Chestnut street, Philadelphia. Owner, A. Merritt Taylor, Commercial Trust Building. Brick, terra cotta pipes, cement walks. Contract awarded to Patrick J. Lawler, Bala, Pa.

## PENNSYLVANIA

## Construction News

**Residence and Garage**, City avenue, Overbrook, Pa. Architect, Frank Seeburger, Weightman Building, Philadelphia. Owner, James C. D. Henderson, 20 South Front street, Philadelphia. Stone and brick, 2½ stories, and 2 stories, 94x32 feet. Garage, 39x24 feet, slate roof, cement, oak and North Carolina pine floors, tile work, stone foundations (heating, plumbing, fixtures, weatherstrips, screens and papering reserved). Architect has received bids.

**Residence and Garage**, Merion, Pa. Architects, Seeburger & Rabenold, Weightman Building, Philadelphia. Owner, W. H. Steigerwalt, Merion, Pa. Stone, brick and plaster, 2½ stories, 21x80 feet. Garage, 1½ stories, 21x25 feet, tile roof, stone foundations, hot water heat, electric light, tile and marble work, pine floors. Owner is taking sub-bids and bid from Wm. R. Graham, 3649 Filbert street, due May 8th.

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Pa.

Fernwood, Delaware County, Pa. Architect, Jesse T. Hoekstra, Yeadon, Pa. Owner, Wm. Lipkin, 1208 Arch street, Philadelphia. General interior alterations, new partitions, new store fronts, brick work, plastering, dance hall and auditorium. Plans in progress.

**Residences (2)**, Merion, Pa., also Garage. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner's name withheld. Stone and frame, 2½ stories, 28x43 feet, wing 12x19 feet, and stone, 2½ stories, 27x45 feet, wing 22x27 feet. Garage, 1 story, 20x20 feet, shingle roof, oak floors, cement work, hot water heating, electric lighting, tile and marble work. Plans in progress. Architect will be ready for bids in a few weeks.

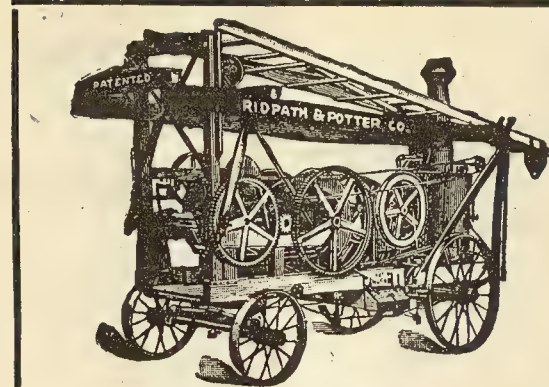
**Residence (alts. and add.)**, Dreshertown, near Jarrettsville, Pa. Architects, Mellor, Meigs & Howe, 249 South Juniper street, Philadelphia. Owner, C. J. Carey, on premises. Stone and stucco, 2 stories, 48x25 feet, shingle roof, oak floors, vapor or hot air heating (electric light, sewage disposal and water supply reserved), tile work. Architects have received bids.

**House**, Jenkintown, Pa. Architect, E. A. Wightman, 1602 North Fifteenth street, Philadelphia. Owner, F. C. Edmonds, Jenkintown, Pa. Stone, 3 stories, hot water heating, tile work, shingle roof, oak floors, stone foundations. Architect taking bids, due May 8th. Wm. J. Gruhler Co., 219 High street, Germantown; Specht and Sperry, Heed Building, are figuring.

**Residence**, near Norristown, Pa. Architect, Harry Gordon McMurtrie, 1012 Walnut street, Philadelphia. Owner's name withheld. Frame, 1½ stories, 25x35 feet, shingle roof, pine floors, electric lighting. Plans in progress. Will be ready for bids in two weeks.

**Residence (alts.)**, Bon Air Farms, West Chester, Pa. Architect, private plans. Owner's name withheld. Stone, 2 stories, 24x34 feet, stone foundations, oak floors (heating and lighting reserved). Mitchell Bros., 2125 Race street, taking sub-bids.

**Foundry Building**, Hatboro, Pa. Architect, Henry C. Dahl, 231 South Eighth street, Philadelphia. Owners, Roberts & Mander Stove Co., Eleventh and Washington avenue. Brick and galvanized iron, 2 stories, 90x120 feet, 22x30 feet, 27x20 feet and 40x142 feet, concrete foundations, asphalt and slag roof, concrete floors, metal lath, rolled steel sash, fire doors, iron stairs, iron work (elevator, cupola, plumbing, heating, electric work, railroad siding and cold water painting reserved). Owners taking bids due May 8th. Specht & Sperry, Heed Building, and H. E. Baton, 1713 Sansom street; J. S. Rogers & Co., Drexel Building; Henry C. Dahl, 231 South Eighth street, are figuring.



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crete floors, metal lath, rolled steel sash, fire doors, iron stairs, iron work (elevator, cupola, plumbing, heating, electric work, railroad siding and cold water painting reserved). Owners taking bids due May 8th. Specht & Sperry, Heed Building, and H. E. Baton, 1713 Sansom street; J. S. Rogers & Co., Drexel Building; Henry C. Dahl, 231 South Eighth street, are figuring.

**Garage**, Drexel Hill, Pa. Architects, MacKenzie & Wiley, Liberty Building, Philadelphia. Owner, H. W. Rickabaugh, 5313 Girard avenue, Philadelphia. Frame and plaster, 1 story, 18x20 feet, shingle roof, cement floors, electric lighting. Owner is taking sub-bids.

**Residence**, Springfield, Delaware County, Pa. Architects, Duhring & Ziegler, Bailey Building, Philadelphia. Owner, J. W. Powell, care of architects. Frame (wide clapboard), 2½ stories, 50x30 feet, shingle roof, stone foundations, hot air heat, electric light, tile and marble work, oak floors. Plans in progress. Architects will be ready for bids in ten days.

**Residence**, Kennett Square, Pa. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, John H. Voorhees, Kennett Square, Pa. Stone, 2½ stories, 30x43 feet, shingle roof, oak floors, stone foundations, hot water heating, electric lighting, tile work. Plans about completed. Architect will take bids in one week.

**Residence**, Cynwyd, Pa. Architect, J. Fletcher Street, 129 South Fifth street, Philadelphia. Owner, George A. Beatty, Jr., care of architect. Stone and plaster, 2 stories, 33x28 feet, wing 10x15 feet, shingle roof, oak and pine floors, hollow tile, stone foundations, hot water heat, electric light, tile and marble work. Architect taking bids due May 12th. A. L. Fretz & Son, Heed Building; Conneen Const. Co., 1737 Filbert street; J. Sims Wilson Co., 1125 Brown street; F. B. Davis, 240 North Sixteenth street, and E. J. Hedden, Finance Building, are figuring.

**Residence**, Elkins Park, Pa. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, name withheld. Stone, 2½ stories, 50x30 feet, wing 20x25 feet, slate roof, oak floors, hot water heat, electric light, tile and marble work. Architect taking bids due May 10th. J. Sims Wilson Co., 1125 Brown street, figuring (only bidder).

**Store and Dwelling (alt. and add.)**, 615 West Third street, Chester, Pa. Architect, Herman H. Kline, 536 Mifflin street, Philadelphia. Owner, name withheld. Brick, 3 stories, 24x70 feet, add. 24x55 feet, slag roof, hot water heating, combination lighting, stone foundations, pine floors, marble work. Plans completed. Architect ready for bids.

**Residences (100)**, Bywood Manor, Delaware County, Pa., \$500,000. Architect, private plans. Owner, P. J. Lawler, Bala, Pa. Stone and stucco, 2½ stories, 31½x36 feet, shingle roof,

stone foundation, oak floors, tile and marble work, hot water heat, electric light. Owner is taking sub-bids on all lines.

**Factory and Power House**, Ephrata, Pa. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owner, Harry Eby Sohe Co., Ephrata, Pa. Brick, 4 stories, 99x42 feet, and 1 story, 39x43 feet, slag and gypsum tile roof, cement floors, concrete foundations, rolled steel sash, fire doors, steel and iron work (heating and lighting reserved). Architect taking bids due May 9th at 10 A. M. H. E. Baton, 1713 Sansom street; H. H. Burrell, 206 South Quince street; Roydhouse-Arey Co., 112 North Broad street; Sutton & Stephenson, 1317 Washington avenue; J. Richard Jackson, Perry Building; Hogg Const. Co., Denekla Building, Philadelphia; John R. Shiffer, and Harry Gerhart, both of Ephrata, Pa., are figuring.

**State Sanitarium**, near Mont Alto, Pa. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owner, State of Pennsylvania, Department of Health, Harrisburg, Pa. Six employees' houses, dormitory, boiler house, laundry and community buildings (alts.). Owners taking bids due May 19th. Plans may be obtained from Harrisburg. Can be seen at 1900 Race street, Philadelphia. Deposit \$25.00.

**Sanitarium Buildings**, near Cresson, Pa. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owner, State of Pennsylvania, Department of Health, Harrisburg, Pa. Four employees' houses, community building and solarium (add.), fire towers in East Ward buildings. Owners taking bids due May 19th at 2 P. M. Plans may be seen at 1900 Race street and obtained from Harrisburg office. Deposit \$25.00.

**State Sanatorium**, near Hamburg, Berks County, Pa. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owner, State of Pennsylvania, Department of Health, Harrisburg, Pa. Community building, dairy barn, (alts.) to ward buildings, kalamein doors for fire escapes, cement work. Owners taking bids due May 19th at 2 P. M. Plans may be seen at 1900 Race street and obtained from Harrisburg office. Deposit \$25.00.

**Residences**, Drexel Hill, Pa. Architect, private plans. Owner, J. H. Jacobs, 4946 North Tenth street, Philadelphia. Stucco, 2 stories, 25x28 feet, slag roof, stone foundations, hot water heat, electric light, tile work, metal lath. Owner taking bids due May 7th from Conneen Const. Co., 1737 Filbert street, and Hogg Const. Co., Denekla Building. (Alternate, hollow tile or artificial stone.)

**Store and Apartments (alts.)**, Fernwood, Pa. Architect, Jesse T. Hoekstra, 430 Walnut street, Philadelphia. Owner, William Lipkin, 1208 Arch street. Structural steel, plastering, painting, plumbing, electric light, steam heat, carpentry, tile work, concrete work. Plans

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about completed. Will take bids in two weeks.

**Carpet Mill**, Carlisle, Pa., \$1,000,000. Architect, Lockwood Green Co., 103 Park avenue,

New York City. Owners, C. H. Masland & Sons, Ambler and Westmoreland streets. Brick, concrete and steel. Plans in progress. Too early for details.

## PENNSYLVANIA Contracts Awarded

**Residence**, Villa Nova, Pa., \$26,713. Architects, Bissell & Sinkler, Otis Building, Philadelphia. Owner, George R. Packard 434 Walnut street, Philadelphia. Stone, 2 stories, 103x38 feet, shingle roof, stone foundations, hot water heat, electric light, tile work, pine floors, metal lath, structural steel and iron work (heat, electric lighting, finished hardware and sewage disposal reserved). Contract awarded to H. P. Wolf & Co., Bryn Mawr, Pa.

**Farm House (alts. and add.) and Garage**, Valley Forge, Pa. Architects, Seeburger & Rabenold, Weightman Building, Philadelphia. Owner, George C. Priestly, Land Title Building, Philadelphia. General alterations, 2 wing adds. to house, hot water heat, electric light, tile and marble work, oak floors, plumbing, garage, stone, plastering, 1½ stories 24x69 feet, shingle roof. Contract awarded to Wills-Ludwick Co., 1708 Sansom street, Philadelphia.

**Residence (alts.)**, Jenkintown, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, George Read, care of architects. Interior alterations, porches, plumbing, etc. Contract awarded to Harry Murphy, Willow Grove, Pa.

**Manufacturing Bldg.**, Washington and Walnut streets, Nanticoke, Pa. Architects, Balingier & Perrot, Seventeenth and Arch streets, \$170,000. Owners, Guaranty Silk Co., Nanticoke, Pa. Brick, 2 stories and basement, 550 x130 feet, slag roof, concrete foundations, mezzanine floor, metal lath, safety treads, rolled steel sash, hollow metal skylights, fire and kalamein doors, iron stairs, structural steel and iron work, cement floors, wire screens. Contract awarded to United Fireproofing Co., 80 West Fortieth street, New York City.

**Farm House (alts. and add.)**, Vacation House, Willow Grove, Pa. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owner, Methodist Episcopal Church, care of Rev. Bishop Joseph F. Berry, Seventeenth and Arch streets, Philadelphia. Brick, 2½ stories, general renovation, new partitions, hot air heating, plumbing, plastering, painting. Contract awarded to Harry Murphy, Willow Grove, Pa.

**Residence (alts.)**, Merion, Pa. Architect, Horace Wells Sellers, Stephen Girard Building, Philadelphia. Owner's name withheld. Minor interior alterations, enclosing porch etc. Contract awarded to Milton W. Young, Overbrook, Philadelphia.

**Road Work**, Pennsylvania. Owners, State of Pennsylvania, Department of Highways, Harrisburg, Pa.

**Cunc.** Berks-Schuylkill Counties, Windsor and West Brunswick Townships, Route No. 141, length 40,004 feet. Reinforced concrete and Hillside vitrified brick. Contract to Quinlan & Robertson, Inc., New York City, \$398,136.32.

**Centre County**, Spring Township, Route No. 27, length 32,100 feet. Bit. surface on concrete foundation and Hillside vitrified brick. Contract to Gaylord Int. Eng. & Const. Co., Scranton, Pa., \$249,332.23.

**Chester County**, West Goshen and T. Whiteland Townships, Route No. 147, length 21,626 feet. Reinforced concrete. Contract awarded to McNichol Pav. & Const. Co., Franklin Bank Building, \$150,313.52.

**Chester County**, Kennett Square Borough, Route No. 131, length 2,334 feet. Reinforced concrete. Contract awarded to Manwaring & Cummins, Inc., Philadelphia, \$20,980.55.

**Juniata County**, Walker and Fermanagh Townships, Route No. 31, length 8,414 feet. Reinforced concrete and Hillside vitrified brick. Contract awarded to J. B. Trexler, Reading, Pa., \$54,529.61.

**Luzerne County**, Salem Township, Route No. 4, length 22,452 feet. Bituminous surface, concrete foundation. Contract to Eastern Paving Co., Philadelphia, \$160,853.50.

**Luzerne County**, Union Township, Route No. 4, length 10,560 feet. Reinforced concrete. Contract awarded to T. W. Reilly & Co., Lancaster, Pa., \$102,425.67.

**Tioga County**, Charleston and Richmond Townships, Route No. 21, length 26,310 feet. Reinforced concrete. Contract awarded to Warren-Moore Co., Philadelphia, \$217,562.81.

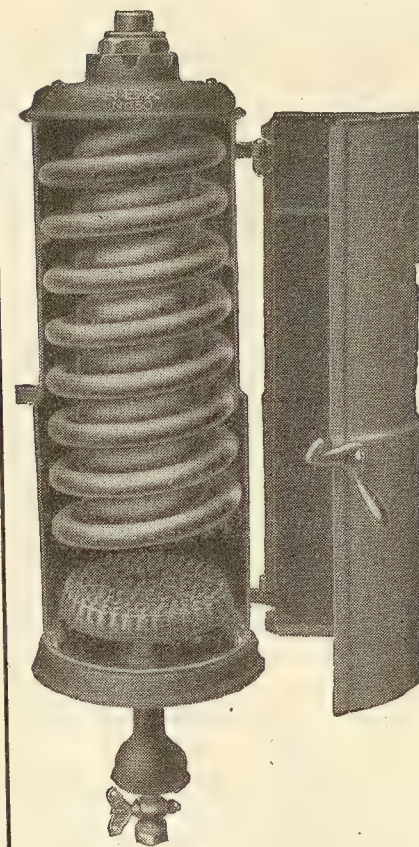
**Cottage**, near Norristown, Pa., \$2,500. Architect, Harry Gordon McMurtrie, 1012 Walnut street, Philadelphia. Owner, Walter Metz, Norristown, Pa. Frame, 1½ stories, 25x35 feet, shingle roof, pine floors, electric light. Contract awarded to Frank F. Heavner, Norristown, Pa.

**Apartment House and Garage** (25 cars), City Line and Lancaster avenue, Overbrook, Pa., \$500,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Morris Estate, care of Morris Wood, Sixty-fourth and City Line, Overbrook, Pa. Brick, steel and stone, 3 stories (200 rooms), semi-fireproof, slate roof, oak and tile floors, hollow tile, metal lath, (2) elevators, steam heat, electric light, tile and marble work. Contract awarded to Alfred James, Bala, Pa., on percentage basis.

**Residence**, Haverford, Pa., \$40,000. Architects, McIlvain & Roberts, Otis Building, Philadelphia. Owner, Noah H. Swayne, 2d, Pennsylvania Building, Philadelphia. Stone, 2½ stories, shingle roof, stone foundations, hot water heat, electric light, tile work, oak floors. Contract awarded to Metzger & Fisher, Otis Building, Philadelphia.

**Firehouse and Apartments**, Oakmont, Delaware County, Pa. Architects, Lachman & Murphy, Drexel Building, Philadelphia. Owner, Oakmont Fire Company, care of George W. Deaves, Oakmont, Pa. Add. to present building, front add., stone, 2 stories, 50x50 feet, slag roof, pine and cement floors, steam

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heating, electric lighting, tile work, plumbing. Contract awarded to Frank Wilson, South Ardmore, Pa.

## New Jersey Construction News

**Apartment**, Atlantic City, N. J., \$240,000. Architect, W. B. Riebenack, Guaranty Trust Building, Atlantic City. Owner, name withheld. Brick and stone 5 stories, 100x100 feet, slag roof, concrete and hardwood floors, concrete foundations, steam heat, combination lighting, tile and marble work, elevators. Preliminary plans in progress.

**Residence**, A. S. La Clade Place, Atlantic City, N. J. Architect, V. B. Smith, Guaranty Trust Building, Atlantic City. Owner, H. L. Godshall, Guaranty Trust Building, Atlantic City. Hollow tile and stucco, 3 stories, 26x40 feet, slate roof, hardwood floors, concrete foundations, hot water heat, electric light, tile and marble work. Architects will be ready for bids May 5th, due May 15th.

**Residence**, Derby and Atlantic avenues, Atlantic City, N. J. Architect, V. B. Smith, Guaranty Trust Building, Atlantic City, N. J. Owner, C. M. Koury, care of architect. Hollow tile and stucco, 3 stories and basement, 26x40 feet, slate roof, concrete foundations, hot water heat, electric light tile and marble work. Architect will be ready for bids in a few days, due May 15th.

**Garage**, rear Derby and Atlantic avenues, Atlantic City. Owner, C. M. Koury, care of architect. Architect, V. B. Smith, Guaranty Trust Building, Atlantic City, N. J. Hollow tile and stucco, 1 story, 16x20 feet, slate roof, cement floors, electric light. Architect ready for bids in a few days, due May 15th.

**Warehouse**, Atlantic City, N. J., \$50,000. Architect, Bertram Ireland, 650 Guaranty

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Trust Building, Atlantic City. Owner, name withheld. Reinforced concrete, 2 and 1 story, 73x300 feet, reinforced concrete roof and walls, hot water heat, electric light, Fairbanks scale. Plans in progress. Architect will take bids in a week.

**School**, Ventnor, N. J., \$85,000. Architect, J. V. Mathis and V. B. Smith, Assoc., Atlantic City, N. J. Owner, Ventnor School Board, care of William Zimmermann, Guaranty Trust Building. Brick, 2 stories and basement, 65x104 feet, slag roof, maple floors, concrete foundations, electric lighting, roof ventilators, rolled steel skylights. Architect will take bids due May 15th.

**Residences (2)**, Atlantic City, N. J. Architects, Druckenmiller & Williams, 1527 Chestnut street, Philadelphia. Owner, name withheld. Hollow tile and stucco, 2½ stories, 30x60 feet, tile roof, oak floors, hot water heating, electric lighting, tile work, plumbing. Architects taking bids due May 8th. A. B. Bowen, W. S. Higbee, Philip G. Hannum, H. G. Scull, Wesley B. Porch, and W. S. Beaumont, all of Atlantic City, N. J., are figuring.

**Apartment**, Atlantic avenue, Atlantic City, N. J., \$22,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, name withheld. Brick, 2 stories, 20x100 feet, slag roof, stone foundations, hot water heat, electric light, pine floors. Architect taking bids. P. G. Hannum and S. Barber, both of Atlantic City, are figuring.

**Moving Picture Theatre**, near Camden, N. J., \$25,000. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owner, name withheld. Brick, 2 stories, 50x130 feet, slate and slag roof, cement and tile floors, steam heat, electric lighting, tile work, cast stone work, metal roof ventilators. Architects taking bids on preliminary plans.

**Residence (add.)**, Bridgeton, N. J. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owner, name withheld. Interior alterations, new porch, shingle roof. Plans in progress.

**Residence and Store**, Mt. Ephraim street, Camden, N. J. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owner, Frank Annetto, 594 Mt. Ephraim avenue, Camden, N. J. Brick, 2 stories, 23x40 feet, slag roof, concrete foundations, hot water heating, electric lighting, pine floors. Plans completed. Owner is taking bids.

**Roads**, Egg Harbor to Ellwood, Route No. 3, Atlantic County, N. J. Engineer, private plans. Owners, State of New Jersey, State Highway Commission, Broad Street Bank Building, Trenton, N. J. 6 miles Portland cement concrete, 18 feet wide with gravel shoulders 3 feet wide, guard rail and posts, locust, oak and cedar. Plans may be seen at office of J. A. Williams, Div. Engr., 503 Market street, Camden, N. J. Owners taking bids due May 12th.

**Roads**, Elwood to Dacosta, Atlantic County, N. J. 4 miles, same specification. Owners taking bids due May 12th. Union Paving Co., Thirtieth and Locust streets; American Pipe & Const. Co., 112 North Broad street; McNichol Paving Co., 1923 Cherry street, Philadelphia; E. Riley Mixner, Goshen, N. J.; Clark & Johnson, Somers Point, N. J.; Northeastern Const. Co., 101 Park avenue, New York City; E. L. Bader, Atlantic City, N. J.; John E. Kahle, Atlantic City, N. J.; John N. Kebley Cont. Co., Camden, N. J.; Michael Staub, Woodbury, N. J.; J. F. Shanley Co., Commercial Trust Building, Philadelphia; E. A. Corson, Ocean City, N. J.; A. G. Aronberg, care of John Gill & Sons, Norfolk, Va.;

Harrop & Shannon, Garfield, N. J.; Langthorn Co., Inc., 2 West Forty-fifth street, New York City; Hugh Nawn Cont. Co., Merzhon Building, Philadelphia; McArthur Bros. Co., 120 Broadway, New York City; Cassedy & Homan, Cape May, N. J.; Sutton & Corson, Ocean City, N. J., and John L. Murrey, Trenton, N. J., are figuring.

**Roads**, Wildwood Junction to Cape May Court House, Route No. 14, Cape May County, N. J., Rio Grande to Burleigh, Cape May County, N. J. Engineer and Owner, stated above. 2 miles and 3½ miles, details stated above. Owners taking bids due May 7th. E. R. Mixner, Goshen, N. J.; Clark & Johnson, Somers Point, N. J.; Northeastern Const. Co., 101 N. Y. C.; Langthorn Co., Inc., 2 West Forty-fifth street, New York City; Cassedy & Homan, Cape May; Sutton & Corson, Ocean City; John B. Kahle, Atlantic City; William Eisenberg, Woodbine, N. J.; William P. McDonald Const. Co., Cape May City; J. N. Kelley Cont. Co., Camden, N. J.; Michael Staub, Woodbury, N. J.; J. F. Shanley Co., Commercial Trust Building; McNichol Paving Co., 1923 Cherry street, Philadelphia; E. A. Corson, Ocean City, N. J.; Langthorn Co., Inc., 2 West Forty-fifth street, and McArthur Bros. Co., 120 Broadway, New York City, are figuring.

**Department Store, Dance Hall and Meeting Hall**, 315-17 Fourth street, Lakewood, N. J. Architect, Herman H. Kline, 536 Mifflin street, Philadelphia. Owner, name withheld. Stone, concrete and steel, 3 stories, 42x72 feet, slag roof, maple floors, cement work, stone foundations, steam heat, combination light, tile and marble work, flush bulbs, plate glass. Plans in progress. Will be ready for bids in two weeks.

**Residence**, Bridgeton, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, Burnett Stewart, care of architect. Frame and stucco, 2 stories, 27x50 feet, shingle roof, oak floors, hot water heat, electric light. Plans in progress. Will be ready for bids in ten days.

**Bank**, Woodbury, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, First National Bank, Woodbury, N. J. Granite and brick, 1 story, 35x106 feet, slag roof, marble and reinforced concrete, steam ventilating system, electric light, tile and marble work, cast iron sash, vault. Plans in progress. Will take bids in three weeks.

**Theatre (add. and remodeling)**, Woodbury, N. J., \$20,000. Architect, Paul J. Henon, Jr., 10 South Eighteenth street, Philadelphia. Owner, Woodbury Amusement Co., Woodbury, N. J. Brick, 1 story and balcony, 47x143 feet, tin roof, cement floor, steam heat, electric light, tile and marble work. Architects taking bids due May 13th. Smith-Hardican Co., 1606 Cherry street; Hogg Const. Co., Denekla Building; J. S. Rogers Co., Drexel Building; R. C. Ballinger Co., 218 North Thirteenth street, Philadelphia; George Bachman, Camden, N. J.; Joseph B. Best, Woodbury, N. J., and Thompson Allen, Woodbury, N. J., are figuring.

## New Jersey Contracts Awarded

**Garage**, rear of Atlantic avenue, Atlantic City, \$18,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, name withheld. Brick, 2 stories, 62½x360 feet, slag roof, concrete floors, stone founda-

tions, hot water heating, electric light gasoline storage system. Contract awarded to S. Barber, Atlantic City, N. J.

**Garages (2)**, near 511 South Fourth street, Camden, N. J. Architect, private plans. Owner, William C. Davis, Haddon and Newton avenues, Camden, N. J. Brick, 1 story, 20x16 feet, slag roof, cement floors. Contract awarded to Mockett Const. Co., Sixth and Market streets, Camden, N. J.

**Dwellings (6)**, Sanchican Drive, Trenton, N. J., \$16,800. Architect, private plans. Owner, Harry Siegel, 1342 Princeton avenue, Trenton, N. J. Brick, 2½ stories, 14x28 feet, slate roof, stone foundation, steam heat, electric lighting. Owner will build.

**Dwellings (6)**, 39-49 Laurel street, Trenton, N. J., \$15,000. Architect, private plans. Owner, W. J. Morris, Broad Street Bank Building, Trenton, N. J. Brick, 2½ stories, 18x30 feet, slate roof, stone foundation, electric lighting, pine floors. Owner will build.

**Dwellings (2)**, Ellsworth avenue, Trenton, N. J., \$5,900. Architect, private plans. Owner, Harry Hilton, 22 Lee street, Trenton, N. J. Brick and frame, 2 stories, 15x42 feet, slag roof, steam heat, electric lighting. Owner will build.

**Dwellings (3)**, Eastfield avenue, Trenton, N. J., \$13,500. Architect, private plans. Owner, Davis S. Hill, 51 Colonial street, Trenton, N. J. Frame and stucco, 2 stories, 24x27 feet, slate or asbestos shingle roof, concrete foundations, yellow pine floors. Contract awarded to O. F. Johnes, Trenton, N. J.

**Dwellings (2)**, 21 and 31 Elmhurst avenue, Trenton, N. J., \$6,000. Architect, private plans. Owner, W. J. Morris, Broad Street Bank Building, Trenton, N. J. Brick, 2½ stories, 21x36 feet, slate roof, concrete foundations, pine floors. Owner will build.

**Dwellings (4)**, Bryn Mawr, Pa., \$12,000. Architect, private plans. Owner, Hillers Park Land Association, Trenton, N. J. Brick, 2½ stories, 14x30 feet, slate roof, concrete foundations, pine floors, electric lighting. Contract awarded to Harry Siegel, 1342 Princeton avenue, Trenton, N. J.

**Garages (2)**, rear 511 South Fourth street, Camden, N. J. Architect, private plans. Owner, William C. Davis, Haddon and Newton avenues, Camden, N. J. Brick, 1 story, 20x16 feet, slag roof, cement floors. Contract awarded to Mockett Const. Co., Sixth and Market streets, Camden, N. J.

## Miscellaneous Construction News

**Residence**, Wilmington, Del. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, J. Fletcher Holmes, Wilmington, Del. Brick, 2½ stories, 30x35 feet, 14x16 feet, slate roof, oak floors, hot water heating, electric lighting. Plans in progress. Architect will be ready for bids in ten days.

**Lodge and Farmers' Cottage**, Eastern Shore, Md. Architect, William Woodburn Potter, Real Estate Trust Building, Philadelphia. Owner, Morris L. Clothier, Eighth and Market streets, Philadelphia. Concrete and frame, 2 stories, 25x100 feet and 20x50 feet, shingle roof, pine floors, cement work, hot air heating, electric lighting (water and sewage system and generating plant reserved). Architect taking bids due as soon as possible. W. Walter T. Pippin, Chestertown, Md., and John McCommens, Havre de Grace, Md., are figuring.

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**Group of Buildings**, Quantico, Va., Spec. 3835. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Terra cotta, hollow tile and stucco, 1 and 2 stories, concrete foundations, administration building and officers' quarters, slate or asbestos shingle roof, hollow tile, metal lath, hot water heat, electric light, tile and terrazzo work, hollow metal skylights, pine floors. Lowest bidder: John K. Turton, 101 Park avenue, New York City. \$286,600, 100 days.

**Hotel**, Stubenville, Ohio, \$600,000. Architect, Frederick Webber, Morris Building, Philadelphia. Owner, Stubenville Hotel Co., care of W. R. Johnson, Stubenville, O. Brick, steel, granite, Indiana limestone, concrete, hollow tile, 9 stories, 75x175 feet, tile roof, reinforced concrete and tile floors, steam heat, electric light, tile, marble and terrazzo work, (3) elevators. John S. Hershey, Colonial Hotel, Altoona, Pa., will build. Architect is taking sub-bids.

**Buildings**, Spec. 3818, Hampton Roads, Va. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Stucco, brick and asbestos shingle, 1 story, 300x100 feet, 330x168 feet, 376x180 feet, 35x14 feet, 22x129 feet, 16x16 feet, (3) piers, 150x100 feet, concrete road and pavements, concrete floors, composition or slag roofs, hollow tile, pile or concrete foundation, steam heat, electric light, rolled steel sash, steel sliding doors, steel and iron work. Lowest bidder, Post & McCord, 101 Park avenue, New York City, \$519,500, 230 days.

**Building**, No. 42 (add.), Spec. 3799, Portsmouth, N. H., \$62,000. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Steel frame, brick, 2 stories, 57x146 feet, asbestos roof, concrete floors, hot water heat, elevators, rolled steel sash, hollow tile. Contract awarded to Hughes-Foulkrod Co., Commonwealth Building.

**Oxyacetylene Generating Plant and Galvanizing Plant**, Spec. 3772, Norfolk, Va. Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Washington, D. C. Reinforced concrete, steel and brick, 1 and 2 stories, 80x150 feet, 38x114 feet and 40x42 feet, built-up roof, concrete floors, hollow tile, concrete foundations, steam heat, electric light, rolled steel sash. Contract awarded to Wm. Linker Co., 831 Cherry street; A, \$119.90; 2A, \$78,000; 3A, \$44,400.

**Storehouse**, Spec. 3859, Hampton Roads, Va., \$790,000. Architect, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Owner, United States Government, Bureau of Yards and Docks, Navy Department, Washington: Hollow tile and stucco, 6 stories, 442x118 feet, composition roof, concrete or wood piles, steam vacuum heating, electric lighting, elevator, rolled steel sash, kalamein doors, hollow tile, metal lath, elevators, safety treads, roof ventilators, iron work. Contract awarded to George E. Wyne, Washington, D. C., 120 days.

**Storehouse**, Spec. 3860, Hampton Roads, Va., \$1,143,040. Architect, private plans. Owner, United States Government Bureau of Yards and Docks, Navy Department, Washington, D. C. Hollow tile and stucco, 3 stories, 935x168 feet, composition roof, wood piles, vacuum steam heat, electric light, rolled steel sash, concrete and asphalt floors, hollow tile elevators, steel and cast iron, structural steel. Contract awarded to Freistedt Co.,

327 South La Salle street, Chicago.

**Storehouse**, Spec. 3861, Hampton Roads, Va., \$287,043. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks Navy Department, Washington, D. C. Hollow tile and concrete and air lock brick, 1 story, 614x197 feet, gypsum slag roof, wood piles, vacuum system of heating, electric lighting, concrete floors, hollow tile, rolled steel sash, fire doors, kalamein doors, reinforcing steel and iron work. Contract awarded to Freistedt Co., 327 South La Salle street, Chicago, 210 days.

### Permits for New Buildings

Garage, East side Cadwalader street, South of Thompson street, \$1,250. A. Leitman (O), 1231 North Second street. Brick, 1 story, 16x34 feet. A. Rubin (C), 1127 Thompson street.

Garage, 6515 North Eighth street, \$500. N. C. Lloyd (O), 6515 North Eighth street. Brick, 1 story, 16x10 feet. C. E. Lloyd (C), 6600 North Eighth street.

Garage, 6407 North Sixth street, \$750. F. E. Whitney (O), on premises. Brick, 1 story, 21x10 feet. C. E. Lloyd (C), 6600 North Eighth street.

Garage, 6505 North Eighth street, \$700. M. C. Lloyd (O), 6515 North Eighth street. Brick, 1 story, 16x20 feet. C. E. Lloyd (C), 6600 North Eighth street.

Garage, 6387 Woodland avenue, \$1,250. Frank Smith (O), on premises. Stone, 1 story, 18x20 feet. J. D. Troher (C), 5424 Thompson street.

Pump House, Nixon street, North of Fountain street, \$1,000. Philadelphia Paper Mfg. Co. (O), Manayunk. Brick, 1 story, 14 feet 2 inches x38 feet, slag roof. Owners will build.

Garage, Haddington street, West of Robinson street, \$800. N. J. Hunter (O), 1660 North Robinson street. Brick, 1 story, 15 feet 8 inches x17 feet. J. D. Fisher (C), 5424 Thompson street.

Garage, 5825 Chestnut street, \$500. Fanny Lose (O), on premises. Brick, 1 story, 10 feet 6 inches x16 feet 6 inches. Calvin W. Rogers (C), 4826 Walnut street.

Garage, Albert street, East of Thompson street, \$600. John Rzepnicki (O), on premises. Brick, 1 story, 17x16 feet. John Jamison (C), 2581 East Huntingdon street.

Greenhouse, Westview avenue, West of Lincoln Drive, \$3,000. C. P. Bower (O and C), on premises. Stone, 1 story, 12x14 feet.

Dwellings (40), North and South side Florence avenue, West of Fifty-second street, \$184,000. Wynning Construction Co. (O and C), 1414 South Penn Square. Brick, 2 stories, 15 feet 4 inches x29 feet and 12x14 feet, slag roofing, steam heating.

Dwelling, Fifty-third and Florence streets, \$5,000. Wynning Construction Co. (O and C), 1414 South Penn Square. Brick, 2 stories, 15 feet 4 inches x43 feet, slag roof, steam heating.

Dwelling (6), \$24,000. Fishers avenue, West Fifth street. William H. Ashton (O and C), 5600 North Mascher street. Brick, 2 stories, 15x30 feet and 12x14 feet, slag roofing, hot water heating.

Shop, 4230 Cresson street, \$500. Joseph Decker (O), 4231 Main street. Brick, 1 story, 14x30 feet, slag roof. Mike Dewa (C), 4100 Manayunk avenue.

Garage, 3101 Decatur street, \$500. William J. Gibbons, Jr. (O), on premises. Brick, 1 story, 18x20 feet. Edward T. Bender (C), 6014 Torresdale avenue.

Dwellings (7), Fifty-fourth, North of Pentridge, \$31,500. Edw. J. Rush (O and C), 1018 South Fifty-fifth street. Brick, 2 stories, 15 feet 10 inches x32 feet, 12 feet 10 inches x10 feet.

Dwellings (2), Fifty-fourth and Pentridge streets, \$10,200. Edw. J. Rush (O and C), 1018 South Fifty-fifth street. Brick, 2 stories, 16x47 feet, slag roofing, hot water heating.

Dwellings (6), Fifty-fourth and Pentridge streets, \$27,000. Edw. J. Rush (O and C), 1018 South Fifty-fifth street. Brick, 2 stories, 16x32 feet, 13x10 feet, slag roofing, hot water heating.

Dwelling, Fifty-fourth and Willows avenue, \$5,100. Edw. J. Rush (O and C), 1018 South Fifty-fifth street. Brick, 2 stories, 16 feet 2 inches x47 feet, slag roof, hot water heating.

Dwellings (28), Spencer street, East of Twentieth street, \$112,000. Charles H. Eckman (O and C), 2126 North Sixteenth street. Brick, 2 stories, 15x29 feet and 11x11 feet, slag roofing, hot water heating.

Dwellings (2), Twentieth and Spencer streets, \$9,000. Charles H. Eckman (O and C), 2126 North Sixteenth street. Brick, 2 stories, 15 feet 4 inches x40 feet, slag roofing, hot water heating.

Dwellings (7), Harrison street, East of Oakland street, \$35,000. Samuel E. Carver (O), 4846 Leiper street. Brick, 2 stories, 16x34 feet and 12x11 feet. George Edel (C), Hillcrest and Stenton avenues.

Store, 5520-22 North Fifth street, \$5,050. William M. Hinzler (O), 5518 North Fifth street. Brick, 1 story, 30x60 feet, 15x8 feet, slag roof. Alfred Steinhauser (C) 5422 North Fifth street.

Garage, 6426 Sherwood street, \$1,200. E. G. Farley (O), on premises. Brick, 1 story, 12x20 feet. Charles C. Pace (C), Merion, Pa.

Garage, 433 South Fifty-sixth street, \$600. John Hurlock (O), on premises. Brick, 1 story, 9x16 feet, slag roof. Howard Meeker (C), 1805 Vineyard street.

Stores and Dwellings (2), 607-608 South Fourth street, \$7,600. Annie Garrity (O), 910 South Broad street. Brick, 3 stories, 15x24 feet, 12x28 feet, slag roof, hot air heating. Garrity Bros. (C), 750 South Juniper street.

Store and Dwelling, 611 South Fourth street, \$4,000. Annie Garrity (O), 910 South Broad street. Brick, 3 stories, 16x51 feet, slag roof, hot air heating. Garrity Bros. (C), 750 South Juniper street.

Shed, 2958 Frankford avenue, \$300. J. Waldeman (O), on premises. Frame, 1 story, 12x7 feet. William G. Cloak (C), 2013 East Orleans street.

Garage, 7118 Rising Sun avenue, \$400. Maria Kee (O), on premises. Brick, 1 story, 12x17 feet, slag roof. M. Stevens (C), 916 St. Vincent street.

Garage, 514 East Sedgwick street, \$5,000. F. A. Taylor (O), on premises. Stone and concrete, 1 story, 32x21 feet, hot water heating, gas storage system. Concrete Const. Co. (C), 1618 Thompson street.

Store and Dwelling, Orthodox and Torresdale avenue, \$5,000. Cezory & Laborwitz (O and C), 2015 Orthodox street. Brick, 1 story, 16x73 feet, slag roof, hot water heating.

Store and Dwelling, Orthodox street, West of Torresdale avenue, \$5,000. Cezary & Laborwitz (O and C), 2015 Orthodox street. Brick,



2 stories, 16 feet 4½ inches x60 feet, slag roof, hot water heating.

Stores and Dwellings (2), Orthodox street, West of Torresdale avenue, \$10,000. Brick, 2 stories, 16x46 feet, 12x14 feet, slag roof, hot water heating.

Dwelling, Fishers avenue and American street, \$5,000. Emil P. Stahl (O and C), 5209 North Third street. Brick, 2 stories, 16x40 feet, slag roof, hot water heating.

Dwellings (10), Fishers avenue, East of American street. Emil P. Stahl (O and C), 5209 North Third street. Brick, 2 stories, 14 feet 4 inches x28 feet, 11x10 feet, slag roof, hot water heating, \$35,000.

Dwellings (12), American street, South of Fishers avenue, \$42,000. Emil P. Stahl (O and C), 5209 North Third street. Brick, 2 stories, 14 feet 4 inches x28 feet, 11x10 feet.

Dwelling, Tabor road, South of Cottman street, \$3,500. Emily Greenwood (O), Kensington. Brick, 2 stories, 15x40 feet, slag roof, hot water heating. M. Stevens (C), 916 St. Vincent street.

Dye House, Milnor and Homestead streets, \$12,000. Hillwig Dyeing Co. (O), on premises. Brick, 1 story, 38 feet 8 inches x129 feet, slag roof, iron work. F. Van Loon (C), Denckla Building.

Dwelling, Bustleton avenue, North of Horsesham road, \$3,600. Milton M. Draper (O), Somerton. Frame, 2 stories, 26x24 feet, slag roof, hot air heat. Fesmire Bros. (C), Huntingdon Valley.

Garage, 6124-26 Jackson street, \$1,000. Lewis Kinsley (O and C), on premises. Brick, 1 story, 50 feet 5¾ inches x20 feet, slag roof.

Garage, Watts street, North of Tasker street, \$450. Ralph DeLio (O), 1535 South Broad street. Brick, 1 story, 17x18 feet. A. Famegliano (C), 1169 South Twelfth street.

Dwelling, Fifty-ninth and Chestnut streets, \$3,500. Irving Belemorio (O), on premises. Brick, 2 stories, 16x20 feet. H. Pearl (C), on premises.

Garage, 3103 Columbia avenue, \$700. Louis Ratz (O), on premises. Brick, 1 story, 15x18 feet. A. Yermarock (C), 3828 Cambridge street.

Shop, 2658 Salmon street. William Cummings (O), 609 Miller street. Brick, 1 story, 48x102 feet. W. E. Stone (C), 2069 East Dauphin street.

Grand Stand, South side Chestnut street, West of Fifth street, \$45,000. City of Philadelphia (O), 90x20 feet. Cramp & Co. (C), Denckla Building.

Dwellings (3), Thirteenth and Oregon avenue, \$11,000. R. Jasper (O), 1828 South Fifth street. Brick, 2 story, 15x26 feet, 12x26 feet and 16x47 feet, hot water heating, slag roofing. A. Koch (C), 525 Porter street.

Dwellings (20), Apsley street, West of Pulaski avenue and Morris street, South of Berkley street, \$100,000. John H. McClatchey (O and C), 848 Land Title Building. Brick, 2 stories, 16x28 feet, 12x10 feet, slag roofing, hot water heating.

Dwellings (2), Chelwynde avenue, West of Seventy-fifth street, \$3,400. William Kyle (O), Seventy-fifth and Avenue F. Brick, 2 stories, 14x36 feet, slag roof, hot air heating. George Kyle (C), Seventy-third and Gray's avenue.

Garage, 1135 Leopard street, \$1,100. George Reisser (O), 1132 Denton street. Brick, 1 story, 18x29 feet. Max Belinsky (C), 414 Poplar street.

Dwelling, Fourth street, South of Grange avenue. Vincent C. Turner (O), Fourth street,

South of Chew street. Brick, 2 stories, 16 feet 6 inches x41 feet 8 inches, slag roof, hot air heating. A. V. Turner (C), 6240 North Thirteenth street.

Dwelling, 7847 Ridge avenue, \$4,300. Nelson Slaon (O), on premises. Frame, 2 stories, 26x42 feet. C. M. Swartley (C), 6835 Ridge avenue.

Garage, Rutland street, North of Fillmore street, \$2,000. Rush Bros. (O and C), 1100 Fillmore street. Brick, 1 story, 18x99 feet.

Dwelling s(4), Harrison street, East of Rutland street, \$16,000. Rush Bros. (O and C), 1100 Fillmore street. Brick, 2 and 3 stories, 16x16 feet and 16x29 feet, slate roofing, hot air heating.

Bank, Front and Morris streets, \$150,000. Ninth National Bank (O), on premises. Brick, 1 story, 60 feet 2 inches x110 feet 4 inches. Henry E. Baton (C), 1713 Sansom street.

Dwelling, Bells Mill Road, west of Germantown avenue, \$25,000. J. C. Gilpin (O), West End Trust Building. Stone, 3 stories, 82x30 feet. Chas. Gilpin (C), Harrison Building.

Coal Trestle and Pocket, Trenton avenue and Westmoreland street. Owen Letterers Sons (O), on premises. Concrete and steel. Henry E. Baton (C), 1713 Sansom street, \$13,000.

Storage, Poor House Lane and Cottman street. Oxford and Lower Dublin Poor House (O and C), on premises.

Dwelling, 1939 Bristol street, \$2,500. John Klock (O and C), 1937 Bristol street. Brick, 2 stories, 16x25 feet 6 inches, 12x25 feet, slag roof, hot air heating.

Factory and Office, northeast corner Trenton and Erie avenue. Hulbert Oil and Grease Co. (O), on premises. Brick, 2 stories, 40 feet 5 inches x66 feet 6 inches, \$15,000. Wark Co. (C), 1737 Filbert street.

Dwellings (31), Stenton avenue and Woodstock street, \$117,800. Wm. H. Liebrich (O and C), 2840 Ridge avenue. Brick, 3 stories, 14 feet 9 inches x30 feet, 11x10 feet and 14 feet 10 inches x30 feet, 11x10 feet, slag roof, hot water heating.

Warehouse, 943-51 North Second street, \$60,000. United Wholesale Grocery Co. (O), on premises. Brick, 3 stories, 80x122 feet, slag roof, steam heat. B. Bornstein (C), 1112-14 Chestnut street.

Dwellings (2), Cheltenham avenue, east of Hasbrook avenue, \$6,000. John G. Hofstetter (O), 6310 Rising Sun avenue. Frame, 2 stories, 16x34 feet, 16x9 feet. H. W. Myers (C), 5814 Hasbrook avenue.

Garage and Shop, Lee and Willard streets, \$2,500. Alex. Meldrum (O), 3249 North Front street. Brick, 1 story, 65x17 feet 5 inches. Thos. Matthews & Son (C), 2336 North Hancock street.

Garage, Sansom street, west of Forty-seventh street, \$1,800. N. Raidman (O and C), 4737 Sansom street. Stone, 1 story, 16x200 feet.

Garage, Venango street, east of Lee street, \$3,500. Thos. Connor (O and C), 3329 North Fifth street. Brick, 1 story, 14x167 feet, irregular shape.

### Alterations and Additions

Dwelling, 2409 South Sixty-second street, \$3,300. Mr. Swerdlin (O), on premises. Brick, 2 stories, 15 feet 6 inches x8 feet, flush bulk. Jacob Bender (C), 1817 South Fourth street. Manufacturing Building, 44 North Sixth

street, \$1,500. Jacob Reed & Sons (O), 1424 Chestnut street. Harry Wilkins (C), 627 West York street.

Dwelling, 5201 North Fifteenth street, \$300. William Cunningham (O), on premises. Bay window. Fred Weiss (C), 4525 North Marvine street.

Dwelling, 6242 Christian street, \$500. C. A. Zimmerman (O), on premises. Brick, second floor, 12x14 feet. H. M. Irwin (C), 1613 Ranstead street.

Factory, Fifty-sixth and Paschall avenue, \$1,500. Philadelphia Screen Mfg. Co. (O and C), on premises.

Dwelling, 5979 Drexel road, \$300. Robert W. Scott (O), 6391 Sherwood street. Walter Scheiff (C), 1731 North Fifty-third street.

Store and Dwelling, 251 South Twenty-third street, \$1,000. John Thommen (O), on premises. Repairs. Smith Hardican (C), 1606 Cherry street.

Storage House, Jessup and Locust streets, \$300. W. Dickhart (O and C), 243 South Thirteenth street. Repair fire damage.

Dwelling, 1531 Spruce street, \$5,000. Dr. H. M. Goddard (O), 1338 Spruce street. Brick, 1 and 2 stories, 12x4 feet, 6x15 feet. Standard Const. Co. (C), 1713 Sansom street.

Store and Dwelling, 2500 South Camac street, \$2,900. W. Olenick (O), on premises. Brick, 1 story, 32x16 feet, 14x10 feet. B. Zorodoff (C), 2014 South Eighth street.

Dwelling, 1155 South Peach street, \$750. Nathan Herman (O), on premises. Change to store and dwelling. Isaac Woogman (C), 720 Morris street.

Dwelling, 332 North Sixty-third street, \$1,500. Thomas Glenn (C), on premises. Brick, 2 stories, 18x16 feet. C. White (C), 611 North Sixty-third street.

Dwelling and Store, Second and Daby streets, \$500. Morris Lee (O), Second and Jackson streets. Brick, 1 story, 16x15 feet. Max Belinsky (C), 414 Poplar street.

Store and Dwelling, 1619-21 Fitzwater street, \$1,850. Myer Cohen (O), 1621 Fitzwater street. Brick, 1 and 2 stories, 9x26 feet, 14x23 feet, slag roofing. A. P. Lucker (C), 5136 Parkside avenue.

Store and Dwelling, Seventh and Spring Garden streets, \$700. M. Berger (O), 1419 North Seventh street. Flush bulks. A. Warshorsky (C), 545 North Seventh street.

Dwelling, 2032 Bainbridge street, \$560. Dr. Gordon (O), on premises. Brick, 3 stories, 14x23 feet, slag roof. John W. Reed (C), 1736 Lombard street.

Garage, 615-17 North Shedwick street, \$900. Thomas P. Murgatroyd (O and C), 664 North Thirty-fourth street. Brick, 1 story, 18 feet 9 inches x58 feet.

Dwelling, 1427 East Erie avenue, \$1,800. Dr. Henry M. Wise (O), 1640 Erie avenue. Lam Building Co. (C), 1001 Wood street.

Store and Dwelling, 6103 Market street, \$500. Mrs. B. Dessler (O), on premises. George Sherm, Jr., 20 North Robinson street.

Dwelling, 3631 North Fifth street, \$475. Walter W. Scargle (O), on premises. Brick, third story, 14x18 feet. Albert Schmidt (C), 435 North Sixty-first street.

Dwelling to Apartments and Porch, 4928 Germantown avenue, \$1,700. John T. Conlin (O and C), 5340 Girard avenue.

Boiler House, Thirty-fifth and Moore streets, \$3,000. Powers, Weightman & Rosengarten (O), Ninth and Parrish streets. Brick, 1 story, 16x51 feet. R. C. Ballinger & Co. (C), 218 North Thirteenth street.



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Face, Etc.).

O. W. Ketcham.....Builders' Exchange, Phila.  
Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ransstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.  
Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.

Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.

Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Contractors' Equipment.

Service Equipment Co.....Bourse Bldg., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.

General Fireproofing Co. 512 Bulletin Bldg., Phila.  
Henry S. Harris.....Land Title Bldg., Phila.

Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.

McCalla Co., The Harold... 531 N. 4th st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.

Truscon Steel Co.... Commonwealth Bldg., Phila.

## Floor Plates.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.  
Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co. 1332 Arch st., Phila.

## Gas Water Heaters.

Apeldorn & Beatty Co.... 155 N. 9th st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.  
Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

Richardson and Boynton Co. 1332 Arch st., Phila.

## Insurance.

Harris J. Latta.....Pennsylvania Bldg., Phila.  
Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.

Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Iron and Steel Bars and Plates.

McCalla Co., The Harold... 531 N. 4th st., Phila.  
Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.  
Morris Wheeler & Co. 30th and Locust sts., Phila.

## Levels.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Light Iron Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lumber.

Wm. Lloyd Co.....29th and Ridge ave., Phila.  
James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.  
Italian Marble Mosaic Co... 433 Spruce st., Phila.  
Roman-Cianci Co., Inc... 3428 Warren st., Phila.

## Metal Lath.

Audubon Wire Cloth Co., Inc.... Audubon, N. J.  
Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.

General Fireproofing Co. 512 Bulletin Bldg., Phila.  
McCalla Co., The Harold... 531 N. 4th st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.  
Truscon Steel Co.... Commonwealth Bldg., Phila.

## Metal Lath Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Metal Tiles and Shingles.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Meters.

Philadelphia Meter Co.,  
Real Estate Trust Bldg., Phila.

## Mill Supplies.

The Fairbanks Co.....7th and Arch sts., Phila.

## Paints and Varnishes.

The Barrett Company,  
New York and Philadelphia.

French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

## Pipe Fittings and Valves.

The Fairbanks Co.....7th and Arch sts., Phila.

## Plumbing Fixtures.

Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Preservatives (Wood and Concrete).

The Barrett Co.....New York City and Phila.

## Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.

Richardson and Boynton Co. 1332 Arch st., Phila.

## Refrigerators.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.

## Reinforcing Bars.

Morris Wheeler & Co. 30th and Locust sts., Phila.  
Truscon Steel Co.... Commonwealth Bldg., Phila.

## Roofing.

The Barrett Co.....New York City and Phila.

## Roofing Tile.

O. W. Ketcham.....Builders' Exchange, Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Roofing Tin.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Roofing Slate.

William Moore Co.....1506 Sansom st., Phila.

## Safety Guards.

Audubon Wire Cloth Co., Inc.... Audubon, N. J.  
Kensington Metal Co.... 1612 N. 2nd st., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

## Screens.

Thos. J. Malia.....141 Wentz st., Phila.

## Steam Specialties.

Apeldorn & Beatty Co.....155 N. 9th st., Phila.

## Slate.

William Moore Co.....1506 Sansom st., Phila.

## Soundings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co.....Bourse Bldg., Phila.

John B. Rulon.....1355 Colwyn st., Phila.

## Structural Slate.

William Moore Co.....1506 Sansom st., Phila.

## Structural Steel.

McCalla Co., The Harold... 531 N. 4th st., Phila.  
Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Surety Bonds.

Harris J. Latta.....Pennsylvania Bldg., Phila.  
Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.

Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

McCalla Co., The Harold... 531 N. 4th st., Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co.....Bourse Bldg., Phila.

John B. Rulon.....1355 Colwyn st., Phila.

## Tile and Terrazzo Work.

Belfi Bros. & Co.....1923 Market st., Phila.

French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

Italian Marble Mosaic Co... 433 Spruce st., Phila.

Roman-Cianci Co., Inc... 3428 Warren st., Phila.

William Moore Co.....1506 Sansom st., Phila.

## Tiling.

William Moore Co.....1506 Sansom st., Phila.

## Transits.

Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

## Ventilators.

Merchant & Evans Co.,  
2035 Washington ave.

## Water Paint.

Wm. B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Waterproofing.

The Barrett Co.....New York City and Phila.

## Water Supply.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Weather Strip (Metal).

American Metal Weather Strip,  
2118 Diamond st., Phila.

Thos. J. Malia.....141 Wentz st., Phila.

## Wheelbarrows.

The Fairbanks Co.....7th and Arch sts., Phila.

## Wire Work.

Audubon Wire Cloth Co., Inc.... Audubon, N. J.  
Kensington Metal Co.... 1612 N. 2nd st., Phila.



1792

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1919



## Insurance Company of NORTH AMERICA PHILADELPHIA

### ASSETS

|                                      |                 |
|--------------------------------------|-----------------|
| Bonds and Stocks.....                | \$24,280,745.19 |
| Cash in Banks.....                   | 2,395,335.33    |
| Premiums in course of transmission.. | 3,203,681.96    |
| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

### LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

Total Liabilities ..... \$30,801,413.40

Surplus to Policyholders..... \$ 12,922,516.93  
Losses paid since organization 203,147,689.78

### The Oldest American Stock Insurance Company

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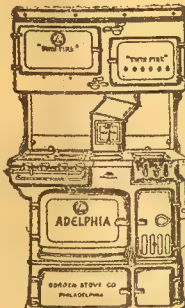
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**PHILADELPHIA**



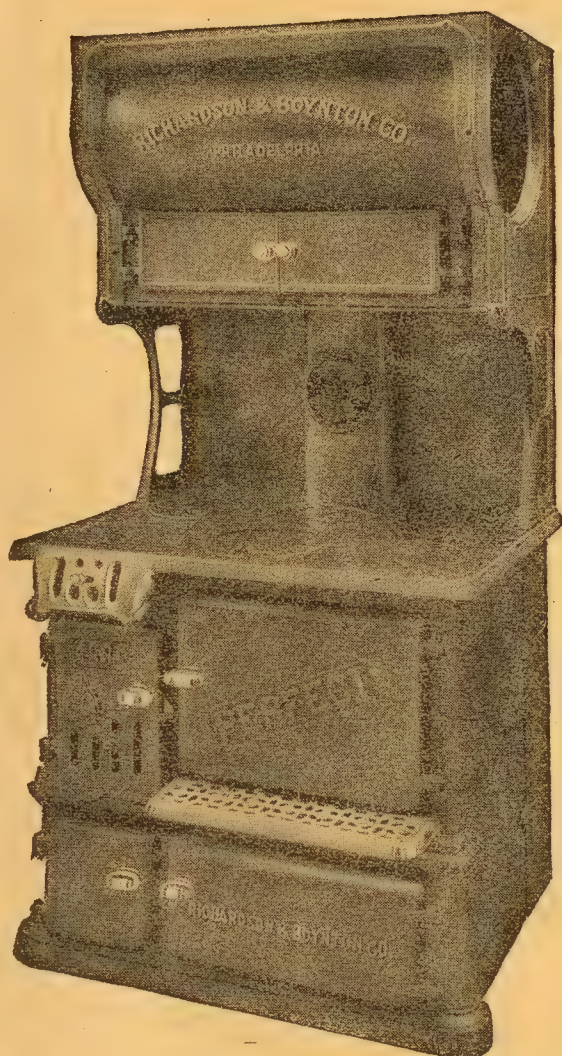
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 20  
May 14, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

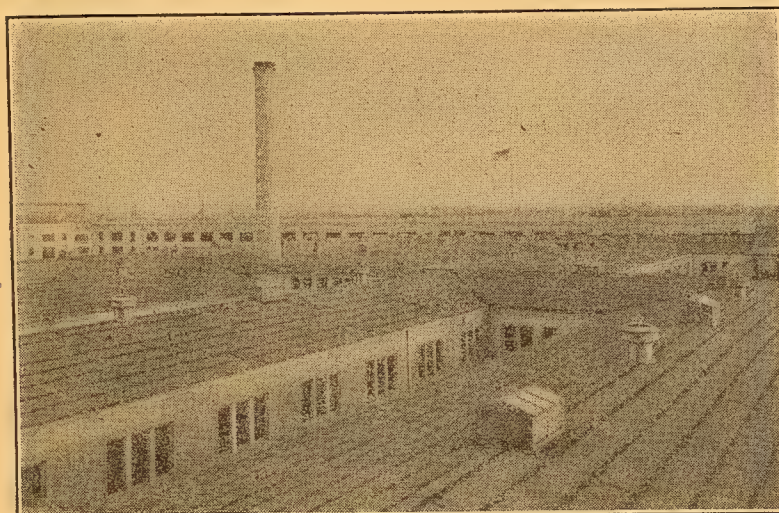
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CORNER BEAD and CURB BARS

**TRUSCON STEEL WINDOWS**

**TRUSCON STEEL COMPANY**

Formerly TRUSSED CONCRETE STEEL COMPANY

810 Commonwealth Building  
Philadelphia





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It's the anchorage of the posts that determines whether the fence will keep its alignment and stand straight and true after years of service.

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Iron Railings and Entrance Gates. Lawn Fences. Tennis-Court, Poultry and Kennel-Yard Enclosures, Arbors, Trellises, and Flower-Bed Guards. Catalogues of any or all are yours upon request.

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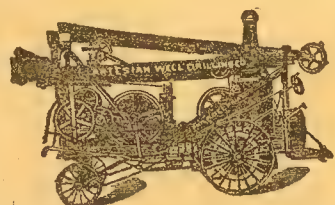
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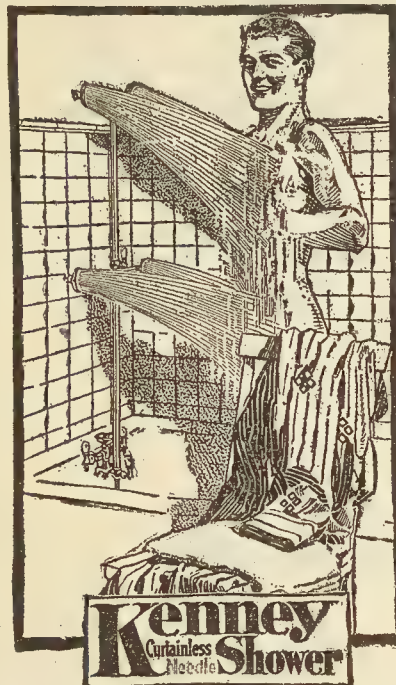


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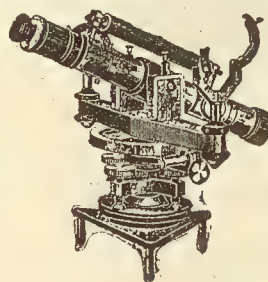
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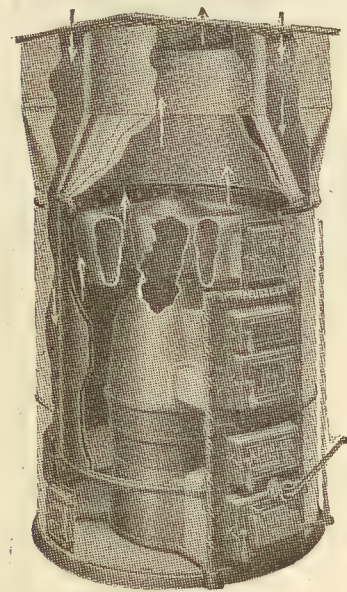
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 20

PHILADELPHIA  
May 14, 1919

## BUILDERS' GUIDE

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## As The Editor Sees It



As the Own Your Home Movement is spreading from city to city, financing the prospective home owner continues to be one of the chief obstacles to the movement, conventional banking practices in loan making and present restrictions on building and loan associations preclude the possibility that these regular sources of capital will meet the increased demands for home loans. If home-owning is to be made possible to an ever-widening circle of the population, in the opinion of experts who are studying the situation for Information and Education Service of the Department of Labor, new machinery must be devised for financing and this new machinery must provide for long time loans, at low interest rates, made on an amortization plan. Also, it is imperative that substantial and artistic dwellings are made available at the very minimum construction costs.

The dispatch shown by private interests in breaking from the profit-making conventions in this field, doubtless, will determine the future attitude of the Government. If private initiative does not discover a way to permit the realization of the home-owning aspirations of the people, it seems inevitable that the Government in some fashion must step into the field.

The Canadian Government already has passed the legislation enabling the Dominion Government to loan to the Ontario Government the money essential to certain housing operations. The Ontario Government, in turn, is prepared to make

loans to municipalities and companies incorporated under the Housing Accommodations Act, for acquiring lands and constructing houses for returning soldiers, working men and women and those of limited means who, without aid on exceptionally advantageous terms, would be unable to own their homes.

In the Canadian scheme the type of house must not exceed \$2,500 in construction costs and the maximum cost of each house and real estate is not to exceed \$3,000.

The municipality supervises the laying out of land, the plans for the dwelling, form of construction etc. The loans are for not more than 20 years and at 5 per cent. Where municipalities acquire land and construct houses they—the cities—may borrow from the Government fund the full amount required for this development and building. A housing company, complying with the law, may borrow up to 85 per cent. of the value of land and buildings. A loan may be made to a farmer and to persons who own their land and erect thereon a house for their own occupancy, to the full value of the buildings. Loans are made by the Province Government to the municipalities on progress estimates as required. The monthly payments for 20 years to cover interest and repayment of principal, on a \$3,000 property, will be about \$20, but the whole or any part of the principal may be repaid at any time during the 20 year period. The person buying covenants to repair and to pay

the taxes and insurance. A person may sell his interest in a property at any time.

In the United States the meeting of the finance problem remains in the hands of private interests and Own Your Own Home committees in various cities are meeting the problem in various ways. In Spokane, Wash., for the most part, the conventional methods of handling building loans prevail. The financing is worked out by the seller and building contractor. Some lot owners are willing to build to suit the purchaser if the latter pays down 20 to 25 per cent. of the purchase price and the balance in monthly payments over 3 to 5 years at 7 per cent. When 50 per cent. of the purchase price has been paid, the buyer can obtain loan accommodations on more favorable conditions from the mortgage companies and building and loan associations. In the Spokane campaign especial care is taken not to permit a person to buy beyond his possibilities of payment.

In St. Paul, Minn., an effort is being made to organize a Civic Home Loan Corporation with a capital stock of \$250,000. It is proposed to lend to prospective home owners and builders up to 85 per cent. of the investment on the contract basis, at 6 per cent. on deferred payments and with the elimination of discounting second mortgages and commissions.

Salt Lake City is depending on the "mutual" building society and the building and loan association. In discussing

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the building society method of financing home builders, Nephi L. Morris, Vice-Chairman of the Employment Committee of the Utah State Council of Defense, says:

"The building society of which the writer is President is now in its twelfth year and sees greater opportunity for enlarging its scope and liberalizing its methods. We have an organized capital of \$200,000, of fully paid up stock upon which we guarantee a 6 per cent. quarterly dividend. Such an attractive investment as this is also over-subscribed. We are now authorizing the issuance of a 6 per cent. non-participating installment stock which stimulates saving, and we hope to get many men into the habit. The regular installment stock, representing the third series, receives an annual dividend of about 7 or 8 per cent. and participates in accumulated surplus when the series matures and realizes about 9 per cent. to the subscriber. This stock is sold only to borrowers; series No. 2 will be retired and series No. 3 subscribed for by the man who, because of his savings, becomes ready to build. This is the best possible plan of financing builders that we know anything of and several of the local real estate and building companies negotiate their contracts with a provision allowing the company to transfer the obligation to one of these building societies after the second or third year."

The tentative plans for financing construction of houses for shipworkers in Portland, Oregon, suggest a line of action adaptable to almost any community. In submitting to the Department of Labor the plans for proposed Portland Housing Corporation, Paul C. Murphy, prominent in the Own-Your-Own-Home Movement, says:

"We find in Portland that there are many persons who own their lot but cannot borrow sufficient money to build a home, as most of the loan companies will not lend over 50 per cent. of the value of the property. This plan is intended to provide for the difference between the amount that can be borrowed on a first mortgage and the amount necessary to complete the home. The monthly payments—which one would have to pay out for rent—would first apply to the second mortgage which, in most cases, would be paid off by the time the first mortgage became due, which could be renewed or put upon a monthly installment loan, like the building and loan association."

The proposed Portland Housing Corporation would have a paid up capital of \$10,000; it would prepare plans for houses to cost approximately \$2,000, designating the materials required and obtaining written assurance from material

men to furnish the complete bill of material on order at specified prices.

The Corporation would then invite applications from workers for assistance in building houses. These applications should show (1) bona fide employee for the three months preceding the application; (2) ownership of lot containing at least 5,000 square feet in a district acceptable to the Corporation; (3) cash in hand amounting to \$300 at least; (4) that the applicant is willing to enter into a contract with the contractor approved by the Corporation for the building of a house on plans likewise approved by the Corporation.

If application is approved by the Housing Corporation a contract is made between the applicant and a contractor for construction of a house at an approved price which, for illustration, is assumed to be \$2,000. The contract will provide for a payment of \$300 in cash, the execution to the contractor by applicant of his note and a first mortgage for \$1,000, also the execution in favor of the contractor by applicant of his note and a second mortgage for \$700. The first mortgage will draw interest at the rate of 7 per cent. and the second mortgage at the rate of 5 per cent. Interest rates in Portland are somewhat higher than in the East. The first mortgage will be payable in five years and the second mortgage at the rate of \$15 per month. Interest will be adjusted on both mortgages according to progress and completion of construction. As further security to the second mortgage holder the fee of property shall rest in a Trust Company as trustee until the second mortgage is paid. On the signing of the contract the Housing Corporation will procure a firm offer, from responsible persons to purchase such first mortgage at par when the house is completed and a similar offer for the purchase of the second mortgage. Consideration should be given to the alternative of placing these mortgages separately with individuals, or placing them with a corporation organized for the purpose.

\* \* \*

At the annual convention of the American Institute of Architects, held at Nashville, Tenn., the following officers were elected: Thomas R. Kimball, Omaha, Neb., President; Charles A. Favrot, New Orleans, La., First Vice-President; Clarence C. Zantlinger, Second Vice-President; Edwin H. Hewitt, Minneapolis, Minn., William B. Ittner, St. Louis, and Henry H. Kendall, Boston, Directors.

E. Perot Bissell, of the firm of Bissell & Sinkler, Philadelphia, architects, was honored by the convention by being elected a fellow of the institute.

\* \* \*

The Philadelphia T-Square Club held its annual meeting at the clubhouse, 204 South

Quince street, Wednesday, May 7. The following were elected officers for one year: President, Nicola D'Ascenzo; Vice-President, Herman L. Duhring, Jr.; Treasurer, M. Edmunds Dunlap; Secretary, R. J. Wadsworth, Director, E. A. Yeo. Joseph Pennell, Paul B. Cret and John McLure Hamilton were elected honorary members.

\* \* \*

The efforts of the committee of the Advisory Board of the Master Builders' Exchange, in conjunction with that of the Allied Building Trades, to adjust a scale of wages mutually satisfactory, has up to the present time resulted in the adoption of the following scale for the different branches:

|                          | Cents. |
|--------------------------|--------|
| Stone masons .....       | 80     |
| Bricklayers .....        | 80     |
| Painters .....           | 75     |
| Plasterers .....         | 80     |
| Sheet metal workers..... | 75     |
| Soft stonecutters .....  | 82½    |
| Granite workers .....    | 80     |
| Carpenters .....         | 80     |

and under the following conditions:

Eight hours a day except Saturday, which will be four hours, making a total of forty-four hours as a full week's working time. For all time over and above the regular hour for quitting, 4.30 o'clock and up to 6 o'clock, one and one-half times the above rate. If time of work is continued from 4.30 o'clock after and beyond 6 o'clock, double time will be allowed.

As the above enumerated branches have been able within a week's time to determine upon this basis, it is quite probable that the remaining trades, which are now receiving attention, will reach a satisfactory adjustment within two weeks' time.

#### PERSONAL NOTES

The Mackle-McClelland Construction Company, engineering and building construction, have opened offices in the Drexel Building, Philadelphia. David A. McClelland, well known builder in Philadelphia and vicinity for the past twenty years, is president of the company. James Shepherd, chief engineer of the Mackle Construction Company, Atlanta, Georgia, is vice president, and Francis E. Mackle, president of the Mackle Construction Company, secretary and treasurer.

Mr. Mackle has been engaged in the construction business in Atlanta for the past ten years, going there from Boston, Mass. His company is one of the best known in the South, having executed important contracts aggregating many millions of dollars and including every type of building from residences to some of the largest office buildings and apartments in the South. During the period of the war, his company has successfully completed over \$3,000,000 worth of work for the Government.

Mr. James Shepherd has been chief engineer for the Mackle Construction Company since its organization and will add to his present activities the position of chief engineer with the new corporation.



## PRACTICAL SUGGESTIONS ON HOW TO BUILD AN HARMONIOUS HOME

By JOSEPH LARONGE, Cleveland,

There is no royal road to fortune. If you have made up your mind that you want a home of your own and you will stick to your resolution, you can get it and you will get it. Buy your lot—that is the first step. If you haven't all the money needed, buy it on terms. When the lot is paid for, you will be in a position to build your home.

Your choice of a lot should be influenced by the kind of home you are going to build on it. If you are going to build a bungalow, don't buy a lot situated between two big two-and-a-half story houses. If it's a duplex apartment you're building and it is to be built for investment, remember that it will cost as much to build on a cheap lot as on a better one, but the returns in rent will be considerably less. Let us illustrate this with figures. Suppose you purchase a lot costing \$1,000 and build a duplex apartment costing \$5,000. The total investment will be \$6,000. Your flats will rent for about \$25 apiece, or \$50 for both. Your neighbor buys a lot for \$2,000 in a better neighborhood and duplicates this house on it at the same cost, \$5,000. The total investment in the case is \$7,000, and these flats will probably bring \$40 to \$45 each, a total of \$80 to \$90 per month. Figure the difference for yourself on a percentage basis.

The price you pay for your lot should be in proportion to the cost of the house you intend building. For city or close-in property we would say that a good proportion for the value of the lot would be 25 per cent. of the value of the house to be built on it. But no matter what the kind, style or price of your home, the location should be desirable, for the benefit of yourself and your family while you reside in it, as well as the advantages it will give you in renting or selling, should such a move ever become desirable.

When you are ready to start to build your home, have your lot surveyed, so that you can be sure of your lines. You won't want to find at some future time that a portion of your house extended on some one else's property. Even if your lot is very large, you should have it surveyed so that you will know your boundary lines. Then, when you are ready to plant your hedge or build your fence, you can do so and know that you are right.

Do not permit yourself to be influenced by the homes of your friends or neighbors in the choice of your home. Let your own taste, judgment and

pocket-book be the deciding factors. One of the great American faults is this idea of outdoing one's neighbors. There is just as much happiness (oftentimes more) in a simple bungalow as in the costliest mansion. The children's ideals will not be harmed by simple surroundings. Don't try to build without a well-prepared set of plans and specifications. They will form the basis of your contract and will insure you getting what you bargained for. Whenever you see a poorly proportioned and badly arranged house you can rest assured that it was either built without a plan or built from plans drawn by a carpenter who knew nothing of architecture. A good set of plans will add very little to the cost of your home and will save you many times their cost, both in time and money. They will be an insurance policy that will protect you from mistakes.

Don't take chances on the construction. You want your home above everything else, to be substantially built. Your contractor may tell you that you can save money by using lighter material. Don't do it. There are ways to economize, but this is not an economy. Your specifications should provide material and proper methods for your protection and you should not be satisfied with a substitute.

An open fireplace is a valuable addition to the heating arrangement. It furnishes an excellent method of heating a room quickly, and is one of the best means of ventilation known. It will save starting a furnace in moderate weather, when only a bit of heat is needed to "take the chill off."

Sanitation should be the principal features to look for in the selection of your plumbing fixtures. Have your specification call for open plumbing. Do not build drawers, shelves or anything else under the sink. Put in an enameled sink; it will pay you to do so. A rubber mat placed on the drain-board will prevent dishes from breaking or chipping. The height at which the sink is placed should be regulated by the housewife who is to use it. A sink that is too high is awkward, and a sink that is too low causes a lot of unnecessary, back-breaking stooping. Nickered plumbing is no more expensive than plain brass and adds greatly to the neat appearance of a bathroom.

An economical way to wainscot a bathroom is to use a hard plaster, marking it off in blocks like tile, and then painting it with several coats of white enamel. A tile floor for the bathroom is not as

expensive as you might expect it to be. In a bathroom 6x8 it will cost about \$35.00. There are several good, sanitary floorings on the market used as a substitute for tile. They are cheaper. Linoleum, laid before the fixtures are put in, makes a satisfactory floor covering.

The selection of the colors for the painting of your home will be left to you. Light colors, being composed largely of white lead, will wear best. If white is used, either for body or trim, an ivory white or cream white will be found more attractive than the glaring calcimine white. Any of the well-known paint manufacturers will furnish you, upon request, with a booklet showing a number of attractive color combinations. Your contractor can have his painter stain samples of wood to get the color effect you desire for your interior wood finish, or, if you want the woodwork to match your furniture, he can stain it accordingly.

Don't "sub" the job yourself, and don't let it out by day-work. Lawyers have a saying that "The man who pleads his own case has a fool for a client." The contractor is a man who has learned his business just as the lawyer or doctor has his profession. You should no more undertake to build your own house than you would to argue a case involving several thousand dollars. "Each man to his trade" applies with as much force to the building of a home as to anything else. A contractor who is constantly engaged in building houses can save enough money in the purchase of material and the arrangement of his work to bring himself a fair profit, so that the owner is put to no more expense and is saved all the worry that goes with directing the details. Contractors as a class are just as good as men engaged in any other trade or profession. There are undoubtedly some black sheep among them, as there are quacks in the medical profession and pettifoggers in law. But we have found contractors, as a class, to be competent, fair-minded and honest, and so you will find them if you don't try to get "cheap men."

When the house is completed and you are in it, plant trees, shrubs, vines and flowers all over the place, in the rear yard as well as the front. Put your grounds in such shape that you will have something beautiful look at from every window. It will take time, but it is worth it. It will require thought, labor and patience, but it is worth that, too, for you and your family will spend much of your time there. The humblest cottage in such a setting is beautiful. The trees, the flowers and the garden are a part of the home.

*American Property Owner.*



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING;  
CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Bank Building**, Eleventh and Montrose streets. Architects, MacKenzie & Wiley, 806 Liberty Building, Philadelphia. Owner, South Philadelphia State Bank, 923 South Eleventh street, Philadelphia. Brick, terra cotta, cut stone, 2 stories, 30x84 feet, slag roof, hemlock, pine and linoleum floors, stone foundation, vapor heat, electric light, terrazzo and marble work, metal lath, steel and iron work. Owners taking bids due May 16th. William R. Dougherty, 1610 Sansom street; Pomeroy Const Co., 1609 Ransstead street; Lam Building Co., 1001 Wood street; John Duncan, 910 Walnut street; Raith Construction Company, 304 Master street; Cerasoli Suseurci, 1231 Christian street; Frank Lucci, 1603 Ellsworth street; Ber Raei Co., 1415 Germantown avenue, and William R. Graham, 3649 Filbert street, are figuring.

**Garage**, 1504-06 Frankford avenue, Philadelphia, \$3,000. Architect, private plans. Owner, George A. Foster, 1508 Frankford avenue, Philadelphia. Brick, 1 story, 33x76 feet, slag roof, cement floors, electric lighting. Owner will build.

**Tunnel for Pipe**, Spec. 3879, Navy Yard, Philadelphia. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Reinforced concrete, 8x8 feet, 1485 feet long, electric lighting, waterproofing, steel and iron work (pipe fittings and accessories reserved). Owners taking bids due May 26th. W. W. Anstine & Co., 1218 Filbert street; F. J. Boas, 201 North Broad street; George F. Pawling Co., 1432 South Penn Square; Warren-Moore Co., Colonial Trust Building, and M. H. McCloskey, Jr., 1620 Thompson street, are figuring. Deposit of \$20.00.

**Sales and Service Building**, 1409-11 North Broad street, Philadelphia. Architect, Le Roy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, Jos. J. Greenberg, 309 Morris Building, Philadelphia. Architect has received bids.

**Garages (2)**, Thirty-fourth and Market streets, Philadelphia. Architect, J. Wilmer Thompson, 703 South Sixtieth street, Philadelphia. Owner, name withheld. Brick and stucco, 28½x12½ feet or 29x19 feet, slag roof, cement floor, metal lath (heating and light reserved). Architect has received bids.

**Garage (alt. and add.)**, 635 South Felton street, Philadelphia. Architect, J. Wilmer Thompson, 703 South Sixtieth street, Philadelphia. Owner, McGarrity & Travis, on premises. Brick and terra cotta, 2 stories, 19x50 feet, slag roof, pine floors, stone foundation, metal lath, structural steel and iron work (heating, electric light and elevator reserved). Architect has received bids.

**Residence and (7) Garages**, Knox street and Queen Lane. Architect, Charles W. Gilmore, Godfrey and G streets, Olney. Owner, name withheld. Brick and rough cast, residence, 3

stories, 16x52 feet, garage, 2 stories, 22x60 feet, slate roof, cement and wood floors, hot air heat, tile work, combination lighting. Architects have received bids.

**Factory**, Frankford avenue and Ontario street, Philadelphia. Architect, J. Frank Clark, 4053 Griscom street, Philadelphia. Owner, name withheld. Brick and concrete, 2 stories, 50x300 feet, slag roof, pine and maple floor, rolled steel sash, stone foundation (heating, lighting and plumbing reserved). Architect taking bids due May 16th. Kessler Cont. Co., Drexel Building; Hughes Foulkrod Co., Commonwealth Building; Ketcham & McQuade, 1029 Brown street, are figuring.

**Residence**, Mt. Airy, Philadelphia. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building. Owner, Dr. Sydney J. Reppler, Rumford road, Chestnut Hill. Stone, 2½ stories, 28x41 feet, shingle roof, oak floors, stone foundation, vapor heating, electric lighting, tile and marble work. Architects ready for sub-bids.

**Dwellings (16)**, Sixth and Chew streets, \$65,000. Architect, private plans. Owner, Jacob M. Faust, 4611 North Broad street, Philadelphia. Brick, 2 stories, 15½x32 feet, 12x12 feet, slag roof, hot air heating. Owner will build.

**Residence and Garage**, Sixty-fourth avenue and Seventh street, Oak Lane. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owner, A. E. Margerison, 1210 Foulkrod street, Philadelphia. Stone, 3 and 2 stories, 48x32 feet, wing 12x17 feet, garage, 2 stories, 29x25 feet, slate roof, stone foundation, hot water heat, electric light, tile and marble work, oak floors (lighting fixtures reserved), structural steel and iron work. Architects have received bids.

**Store Building (alt. and add.)**, Sixteenth and Federal streets. Architect, private plans. Owners, Baer & Snyder, Sixteenth and Federal streets, Philadelphia. Brick, 3 stories, 12x18 feet, slag roof, N. C. pine floors, metal lath, stone foundation, electric light, terrazzo work, hollow metal sash, iron work (plumbing, heating and lighting fixtures reserved). Owners have received bids.

**Residences and Garages (2)**, Winnefield, Philadelphia, \$10,000. Architect, David Levy, 938 Hamilton street, Allentown, Pa. Owner, name withheld. Hollow tile and stucco, 2½ stories, 42x28 feet and 15x20 feet, slate roof, hardwood floors, vapor heating, electric lighting, tile and marble work. Architect has received bids.

**Residence (alt. and add.)**, 105 West Willow Grove ave., St. Martins, Phila. Architect, Edmund B. Gilchrist, Westerly Building, Philadelphia. Owner, F. W. Breiting, 105 West Willow Grove avenue, St. Martins. Brick and rough cast, 2½ stories, 18x33 feet, slate roof, oak floors, stone foundation (plumbing, heating and electric lighting reserved). Architect has received bids.

**Residences (32)**, Torresdale avenue, Magee and Hellerman streets, \$97,200. Architect, private plans. Owner, James S. Larzelere, Land Title Building, Philadelphia. Brick, 2 stories, 16½x46 feet, 16x24 feet, 12x12 feet, slag roof, hot water heating, electric lighting. Owner will build.

**Dwellings (6)**, 5701-11 Ditman street, Philadelphia, \$15,600. Architect, private plans. Owner, Samuel S. Wilmer, 3211 Comly street, Philadelphia. Brick, 2 stories, 16x33½ feet, slag roof, hot water heating, electric lighting. Owner will build.

**Dwellings (4)**, Duncannon and Lawrence streets, Philadelphia, \$12,800. Architect, private plans. Owner, Louis Brainnig, 4933 North Fifth street, Philadelphia. Brick, 2 stories, 14x29 feet, 12x14 feet, slag roof, hot water heating, electric lighting. Owner will build.

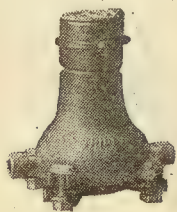
**Factory Building (alts.)**, 438 North American street, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, C. J. Matthews & Co., on premises. Steel work, slag roof, 28x21 feet, hollow metal skylights (heat, electric work reserved). Architects have received bids.

**Store (alts.)**, Sixteenth and Chestnut streets, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, Estate of Edward Perry, Sixteenth and Chestnut streets, Philadelphia. Brick, concrete and terra cotta, cement floors, tile work, iron work, painting, new partitions, toilets. Architects have received bids.

**Theatre**, Fifty-second and Chestnut streets, Philadelphia. Architect, Hoffman Co., Finance Building, Philadelphia. Owner, Stanley Realty Co., care of architects. Brick, stone, steel and terra cotta. Sketches being prepared. Details undecided.

**Officers' Quarters**, Frankford Arsenal, Philadelphia. Architect, private plans. Owner, United States Government, Frankford Arsenal, Philadelphia. Brick and stucco, 2 stories, 23x44 feet, slate roof, oak floors, metal lath, steam vacuum heat, electric lighting, tile and marble work, ornamental iron work. Owners taking bids due May 19th. William Steele & Sons Co., Sixteenth and Parkway; F. W. Mark Cont. Co., Finance Building; Wark & Co., 1737 Filbert street; Ketcham & McQuade, 1029 Brown street; Monaghan & Losse, Inc., 3016 Chestnut street; W. W. Anstine & Co., 1218 Filbert street; H. M. Wehmeyer, Inc., 509 West Cumberland street; William R. Dougherty, 1610 Sansom street, Philadelphia, and Piel Const. Co., Baltimore, Md., are figuring.

**Bank Building**, 1429 Chestnut street, Philadelphia. Architects, Stuckert & Co., Crozer Building, Philadelphia. Owner, Republic Trusts Co., 1429 Chestnut street, Philadelphia. Steel, brick, granite and terra cotta, 4 stories and basement, 20x95 feet, stone foundation, steam heat, electric light, tile, marble and



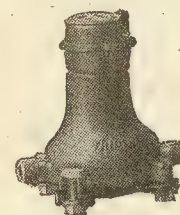
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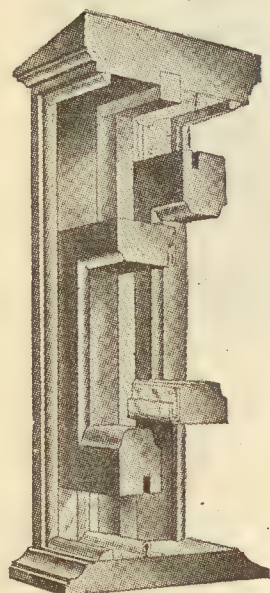
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terrazzo work, rolled steel sash, vault, bank fixtures, (1) elevator. Plans in progress. Architects will take sub-bids on all lines in about one month.

**Residence**, Fifty-third and Wynnefield avenue, Philadelphia. Architect, Frank Seeburger, Weightman Building, Philadelphia. Owner, Hyman Brodsky, 5315 Wynnefield avenue, Philadelphia. Stone, 2½ stories, 35x109 feet, slate roof, oak floors, stone foundations, vapor heating, electric lighting, tile and marble work, ornamental iron work. Plans in progress.

**Residence**, Wynnefield, Philadelphia. Architect, Frank Seeburger, Weightman Building, Philadelphia. Owner, Clayton M. Hunsicker, 469 State road, Cynwyd, Pa. Stone, 2½ stories, 28x40 feet, slate roof and tin roof, oak floors, stone foundations, vapor heating, electric lighting, tile and marble work. Plans about completed. Architect will be ready for bids in about one week.

**Factory**, Venango and B streets, Philadelphia. Architect, Herman H. Kline, 536 Mifflin street, Philadelphia. Owner, John M. Kennedy, 1001 Chestnut street, Philadelphia. Brick, stone and steel, 2 stories and basement, 60x150 feet, slag roof, stone foundation, steam heat, electric light, rolled steel sash, hollow metal skylights, (2) elevators, yellow pine floors, hollow tile. Architect will take bids in two weeks.

**Bakery and Garage**, 6040-42 Larchwood avenue, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, S. Dornblum, Fifth and Christian streets, Philadelphia. Brick, 2 stories, 32½x75 feet, and 1 story, 16x50 feet, slag roof, cement, oak and tile floors, stone foundation, hot water heat, electric light, tile work, plumbing, flush bulks, metal ceilings, fireproofing. Architect will take bids in a few days.

**Garage**, Northeast Corner Seventh and Bristol streets, \$3,200. Architect, private plans. Owner, Charles Goetz, 4265 North Seventh street, Philadelphia. Brick, 1 story, 17x92 feet, slag roof. Owner will build.

**Dwellings** (3), Sixtieth and Delancey streets, Philadelphia, \$25,000. Architect, private plans. Owner, Sol Hopkins, Sixtieth and Pine streets, Philadelphia. Brick, 3 stories, 19½x32 feet, 16½x48 feet and 21x80 feet,

slag roof, hot water heating, electric lighting, tile work. Owner will build.

**Beef Cooling Building**, South side of Moore, West of Second street, \$10,000. Architect, private plans. Owner, M. L. Shoemaker & Co., Delaware avenue and Venango street. Brick, 2 stories, add. 26x50 feet, slag roof. Owners will build.

**Shop and Office** (add.), Ninth and Berks streets, Philadelphia, \$20,000. Architect, private plans. Owner, Montgomery Iron & Steel Co., 932 North Ninth street, Philadelphia. Brick, 2 stories, 22x122 feet, slag roof, electric lighting. Owner will build.

**Store Building**, 717 South street, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, J. Powell, 815 South street, Philadelphia. Brick, 15x78 feet, slag roof, oak and pine floors, stone foundation, hot water heating, electric lighting, tile and marble work, metal ceilings, metal bulks. Owners will take bids in a week.

**Residence (alts.) to Store**, 5701 Chester avenue, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, M. Cohen, on premises. Front add. 18x16 feet, side add. 4x63 feet, brick, tin roof, cement and hardwood floors, hot water heat, electric light, tile and marble work, hollow metal skylights, store fixtures, flush bulks, metal ceilings. Owner is taking sub-bids.

**Connecting Passageway and Platforms**, Allegheny avenue and Somerset street. Architect, private plans. Owner, City of Philadelphia, Department of City Transit, Mershon Building, Philadelphia. Concrete and steel, slag roof. Owners taking bids due May 20th. Monaghan & Losse, Inc., 3016 Chestnut street, are figuring.

**Apartment House** (alt. and add.), 3501 Powelton avenue, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Bernath Markovitz, 321 Market street, Philadelphia. Brick, 3 stories, stone foundation, iron work (heating, hardwood floors and lighting reserved). Architects have received bids.

**Residence (alts.)**, 333 South Eighteenth street, Philadelphia. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owner, James E. Walsh, 504 Walnut street, Philadelphia. Brick and marble, 3 stories, 18x76 feet, tin and asbestos roof, plastic and par-

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quetry floors, tile and marble work, metal lath, iron work. Architect has received bids.

**Bank Building**, northeast corner of Broad and Federal streets, Philadelphia. Architect, not yet selected. Owners, Federal Trust Co., Broad and Federal streets. Size of lot, 70x90 feet. Work contemplated.

**Building (alts.) to Apartments (5)**, Seventeenth and Wallace streets. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Miss Carter, care of George Danley, on premises. Changing partitions, hot water heating, electric lighting, plumbing and fixtures, tile work, etc. Owner is taking sub-bids.

**Store (alts.)**, 324 West Cheltenham avenue, Germantown. Architect, private plans. Owner, A. J. Benham, 324 West Cheltenham avenue, Philadelphia. Brick, 1 story, 22x40 feet, stone foundations, metal lath. Owner taking bids, due May 15th. Wm. J. Gruhler Co., 219 High street, is figuring.

**Garage**, north side Eleanor street, west of "A" street, \$3,500. Architect, private plans. Owner, James J. Gallagher, 108 East Rockland street, Philadelphia. Brick, 1 story, 54x112 feet, slag roof, electric lighting. Owner will build.

**Shop (alts.)**, Allen street, east of Front street, \$3,000. Engineer, M. Ward Easby, Inc., 1420 Chestnut street, Philadelphia. Owners, the Ajax Metal Co., 46 Richmond street, Philadelphia. Brick party wall and foundations. Engineer will sub-let.

**Vat Building**, 15 North Fifth street, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, F. W. Tunnell & Co., on premises. Steel and concrete. Architects taking sub-bids.

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## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Store and Offices (alts.)**, Northwest Corner Point Breeze avenue and Moore street. \$2,000. Architect, private plans. Owner, Charles A. Shetzline, Broad and McKean streets. Office partitions throughout building. Contract awarded to H. F. Dinkelacker, 1612 McKean street, Philadelphia.

**Store and Dwelling (add.)**, 3402 Market street, Philadelphia, \$3,500. Architect, private plans. Owner, B. Rohn, 3342 Market street, Philadelphia. Brick, rear addition, 3 stories 16x12 feet, 1 story, 12x20 feet, slag roof, electric lighting. Contract awarded to Fred Quate, 1323 Snyder avenue, Philadelphia.

**Garage**, Thirteenth and Gerritt streets, \$4,000. Architect, private plans. Owner, Guiseppi Caruso, 1238 Reed street, Philadelphia. Brick, 2 stories, 28x40 feet, slag roof, electric lighting. Contract awarded to Nicola D'Amico, 1622 South Eighth street. Residence, Woodbine avenue, West of Fifty-

third street, \$10,000. Architect, private plans. Owner, F. H. Martin, on premises. Stone, 3 stories, 23x22 feet, 29x18 feet, slate roof, hot water heating, electric light, tile work, oak floors, stone foundation. Contract awarded to George Kessler Cont. Co., Drexel Building, Philadelphia.

**Dwellings (4)**, 222-24-26-28 South Sixtieth street, \$40,000. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, T. Glassman, 222 South Sixtieth street, Philadelphia. Brick, 3 stories, 15x29 feet, 11½x39 feet, slag roof, hot water heat, electric lighting, tile work, oak floors. Contract awarded to N. Raidman, 4737 Sansom street, Philadelphia.

**Garage**, 312-14-16 West Cheltenham avenue, \$10,400. Architect, private plans. Owner, J. S. Adams, 5614 Germantown avenue, Philadelphia. Stone, 1 story, 47x146 feet, slag roof, electric light, cement floor. Contract awarded to Charles Johnson, 5701 Boyer street, Germantown.



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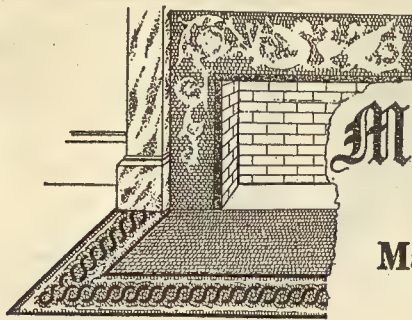
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Store (add.), 1728 Market street, Philadelphia. Architect, private plans. Owner, Albert M. Greenfield, Thirteenth and Chestnut streets. Brick, 1 story, add. 27x30 feet, electric light-



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ing. Contract awarded to B. Bornstein, 1510 North Franklin street.

**Restaurant Building** (alts. and add.), 1604 Chestnut street, \$45,000. Architect, Charles E. Oelschlager, 1615 Walnut street, Philadelphia. Const. architect, Paul J. Henon, 10 South Eighteenth street, Philadelphia. Owners, Cheri, Inc., care of John G. Patton, Fifteenth and Chestnut streets. Rear add., 4 stories, general remodeling of entire building, slag roof, tile and composition floors, steam heat, electric light, tile and marble work, freight elevator, hollow metal skylights, kitchen equipment. Contract awarded to F. A. Havens & Co., 845 North Nineteenth street, Philadelphia.**Theatre** (alts.), 1018 Market street, Philadelphia, \$30,000. Architect, Hoffman Co., Finance Building, Philadelphia. Owner, Princess Theatre Co., on premises. Reinforced concrete, steel, tin and slag roof, reinforced concrete floors, hollow tile, metal lath, steam heat, electric light, marble and terrazzo work, iron stairs, iron work (decorating, lighting fixtures, ventilating system, fans and seats reserved). Contract awarded to P. M. Sax, Franklin Bank Building, Philadelphia.**Factory**, Tioga, Tulip and Weikel streets, Philadelphia, \$27,000. Architect, John J. Novy, Chicago, Ill. Owners, Liquid Carbonic Co., Chicago, Ill. Brick, 1 story, 66x108 feet, concrete foundation, composition roof, concrete floors, fire doors, iron work. Contract awarded to F. A. Havens Co., 845 North Nineteenth street, Philadelphia.**Dwelling**, Southeast Corner Wyoming and Camac streets, \$5,500. Architect, private plans. Owner, Pennsylvania Conference Brethren in Christ, 5046 North Eleventh street. Brick, 2 stories, 16x21 feet, 17x23 feet, slag roof, hot water heat. Contract awarded to C. L. Hemmerly, Oak Lane, Philadelphia.**Store, Dwelling and Shop** (alt. and add.), 6006 Lansdowne avenue, \$12,000. Architect, private plans. Owner, John S. Schmelshoff, on premises. Brick, 2 stories, 21x18½ feet, 16x20 feet and 16x31 feet, slag roof, hot water heating, electric lighting. Contract awarded to Herman Voight, 1252 North Twentieth street, Philadelphia.**Office, Show Room and Apartments**, 913-17 South Seventeenth street, Philadelphia. Architects, Lachman & Murphy, Drexel Building, Philadelphia. Owner, Walter W. H. Casselle, 917 South Seventeenth street, Philadelphia. Brick, 3 stories, 32x60 feet, stone foundation, slag roof, cement, oak and pine floors, steam heat, electric light, tile and marble work, hollow metal skylights, iron work. Contract awarded to J. F. Trent, 2041 Master street, Philadelphia.**Passageway**, 2210 Green street, \$2,500. Architect, Paul Monaghan, 1218 Chestnut street, Philadelphia. Owners, Nuns of St. Clare, on premises. Corrugated iron, electric lighting. Contract awarded to Monaghan & Losse, Inc., 3016 Chestnut street.**Store Building** (alt. and add.), 1013 Market street, Philadelphia, \$26,000. Architects, Hoffman & Co., Finance Building, Philadelphia. Owner, International Millinery Co., 366 Fifth avenue, New York City. Brick, 6 stories and basement, 21x197 feet (freight and passenger elevator and machinery reserved), steam heat, electric lighting, tile, marble and terrazzo work, metal lath, hollow metal skylights, kalamein doors, metal ceilings, iron work, cement floors. Contract awarded to B. Bornstein, 1510 North Franklin street.**Fire Escapes**, 2111-2117 Chestnut street, \$4,000. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, name withheld. Brick work, cut stone work, wood work, fireproof and kalamein doors, painting. Contract awarded to H. E. Baton, 1713 Sansom street, Philadelphia.**Gasoline Filling and Service Station**, Broad below Huntingdon street. Architect, Charles E. Oelschlager, 1615 Walnut street, Philadelphia. Owner, Keystone Pure Oil Co., on premises. Brick, concrete and frame, terracotta, 1 story, 76x150 feet, slag and copper roof, stone foundation, steam heat, electric light, plumbing, cement floors, tanks, pumps, air compressors. Contract awarded to F. A. Havens & Co., 845 North Nineteenth street.**Plant Extension**, Twenty-fifth and Washington avenue, Philadelphia. Architect, private plans. Owners, Philadelphia Roll & Machine Co., care of L. R. Hilyard, on premises. Steel and corrugated iron, 1 story, 46x60 feet, concrete footings, corrugated iron roof, rolling steel doors. Contract awarded to John N. Gill & Co., Otis Building, Philadelphia.**Machine Shop** (extension), Fifty-second and Gray's avenue, Philadelphia. Architect, F. W. Constant, Engr., Princeton, N. J. Owners, Taylor Wharton Steel Co., on premises. Brick, cement and stucco, 1 story, 90x100 feet, gypsum tile roof, concrete foundation (steam heat reserved), rolled steel sash, metal lath, roof ventilators, waterproofing, mill work, structural steel and ornamental iron work. Contract awarded to John N. Gill & Co., Otis Building, Philadelphia.**Factory (repairs)**, 3434 Market street, Philadelphia, \$10,000. Architect, private plans. Owner, Hurlock Bros., on premises. Brick, 3 stories, 40x120 feet, slag roof, steam heat, electric light, maple floors, general fire repairs. Contract awarded to Frank G. English, 1610 North Carlisle street, Philadelphia.**Residence (repairs)**, Northeast Corner Opal

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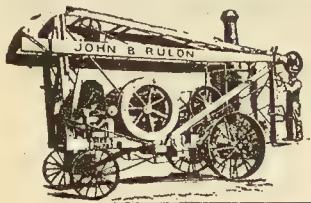
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and Reed streets, \$2,000. Architect, private plans. Owner, David McAllister, 1935 South Twentieth street, Philadelphia. Brick, 2 stories, 18x75 feet, slag roof, maple floors, metal ceiling, painting, general fire repairs. Contract awarded to Concrete Const. Co., 1618 Thompson street.

**Garage**, 718-20 Newmarket street, Philadelphia, \$5,300. Architect, I. W. Levin, 536 Ritter street, Philadelphia. Owner, Brown & Son, on premises. Brick, 1 story, 36x117 feet, slag roof, cement floor, steam heating, electric lighting, steel rolling door, iron work. Contract awarded to Max Cotler, 1220 North Forty-second street, Philadelphia.

**Garage**, 911-13-15 North Second street, Philadelphia, \$12,000. Architect, Herman H. Kline, 536 Mifflin street, Philadelphia. Owner, D. Ladenson, 1039 South Fifth street, Philadelphia. Brick, stone and steel, 1 and 2 stories, slag roof, steam heat, electric light, cement and 3 inch plank floors, metal sash and skylights, flush bulks, fireproofing, gasoline storage system. Contract awarded to Joseph Levin, 1402 South Second street, Philadelphia.

**Building (alts.)**, 4400 Lancaster avenue, Philadelphia, \$3,000. Architect, private plans. Owner, Mrs. Mary Sheridan, on premises. Brick, 3 stories, 20x60 feet, steam heating, electric lighting, new partitions. Contract awarded to George H. Evans, 45 North Thirteenth street, Philadelphia.

**Residence (alts.)**, and **Garage**, northeast corner McCallum and Lincoln Drive, \$5,000. Architect, private plans. Owner, L. A. Jellott, Pulaski and Wyoming avenues, Philadelphia. Stone, 1 story, 17½x28½ feet. Garage, 1 story, 16x24 feet, slag roof, electric lighting, cement floor. Contract awarded to R. M. Peterson, 5114 Germantown avenue.

**Factory (alts. and add.)**, Germantown avenue, near Cheltenham avenue, Germantown. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, Chester A. Asher, on premises. Brick, 2 stories, 16x38 feet, stone foundations, mill work, brick work, plastering, iron work, stone foundations. Contract awarded to Wm. J. Gruhler & Co., 219 High street, Germantown.

frame, 2½ stories, 30x38 feet, shingle roof, stone foundation, hot water heat, electric light, tile work, oak floors. Plans in progress.

**Residences (4)**, Narberth, Pa. Architect, Wesley L. Blithe, 603 Chestnut street, Philadelphia. Owner, name withheld. Stone and frame, 2½ stories, 30x38 feet, slate roof, oak floors, hollow tile, stone foundation, hot water heating, electric light, tile work. Architect will be ready for bids in two weeks.

**Residence**, Eighteenth and Northampton streets, Easton, \$10,000. Architect, E. H. Wenzelberger, Reeder Building, Easton, Pa. Owner, Fred Muser, 2032 North Fourth street, Easton, Pa. Stone and frame, 2½ stories, 40x32 feet, stone foundation, slag roof, vapor heating, electric lighting, hardwood floors, tile and marble work. Plans in progress. Architect will take bids in 2 weeks.

**Residence**, Fountain Hill, Bethlehem, Pa. Architect, E. H. Bitting, Wilbur Trust Building, Bethlehem. Owner, William Rudolph, East Third street, Bethlehem, Pa. Pressed brick, 3 stories and basement, 30x46 feet, stone foundation, slate and shingle roof, hardwood floors, hot water heating, electric lighting, tile and marble work. Owner will take sub-bids.

**Residence (alt. and add.)**, Bethlehem, Pa., \$12,000. Architect, David Levy, 938 Hamilton street, Allentown, Pa. Owner, Samuel Miller, 317 East Third street, Bethlehem, Pa. Brick, 3 stories, slate roof, hardwood floors, steam heat, electric light. Owner is taking sub-bids.

**Garage**, Third and Delaware streets, Easton, Pa., \$35,000. Architect, E. H. Wenzelberger, Reeder Building, Easton, Pa. Owner, Quig Brothers, Easton Hudson Motor Agency, Easton, Pa. Brick and steel, 2 stories, 67x110 feet, stone foundation, slag roof, concrete floors, steam heat, electric light, hollow metal sash, elevators, plate glass and terra cotta. Architect taking bids due May 15th. A. Steward Cont. Co., T. J. Lerch & Co., Bechtel & Bechtel, and C. Robinson & Sons, all of Easton, and Butz & Clader, Allentown, are figuring.

**Barn and Stable**, Ambler, Pa. Architect, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Gilliland Laboratories, Inc., Ambler, Pa. Hollow tile, 2 stories, 80x143 feet, slate roof, cement and cork floors, concrete foundation, steam heat (electric lighting reserved), hollow tile, metal lath, roof ventilators, iron work. Architects taking bids due May 16th. W. D. Lukens, North

## PENNSYLVANIA

### Construction News

**Hospital (extension)**, St. Joseph's Hospital, Lancaster, Pa., \$150,000. Architect, E. C. Urban, Woolworth Building, Lancaster, Pa. Owner, St. Joseph's Hospital, Lancaster, Pa. Brick, 4 stories, stone foundation, hardwood floors, electric light, tile, marble and terrazzo work, elevators, roof ventilators, hollow metal skylights, new laundry. Plans in progress.

**Houses (4)**, High Point, North Carolina, \$20,000. Architect, E. C. Urban, Woolworth Building, Lancaster, Pa. Owner, Stehli Silk Corporation, 104 E. Twenty-fifth street, New York City. Frame, 1 and 2 stories, 28x34 feet, shingle roof, yellow pine floors, electric light, tile work, metal lath. Plans in progress.

**Store Front**, North Queen street, Lancaster, Pa. Architect, M. R. Evans, 10½ Orange street, Lancaster, Pa. Owner, C. A. Zorn, on premises. General interior alterations, plate glass, etc. Architect taking bids due May 14th. Sam. Bally, H. L. Wiant, and Stumpf & Son, Lancaster, Pa., are figuring.

**Office (add.)**, Liberty street, Lancaster, Pa. Architect, William Shanb, Lancaster, Pa.

Owner, R. G. Gerhert, on premises. Brick and concrete, fireproof, 3 stories and basement, 35x35 feet, concrete foundation, slag roof, steam heat, electric light, cement floors, tile and marble work. Architect has received bids.

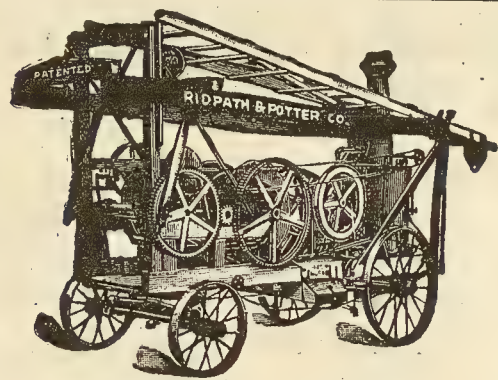
**Store (add.)**, East King street, Lancaster, Pa., \$25,000. Architect, E. C. Urban, Woolworth Building, Lancaster, Pa. Owner, M. T. Garvine & Co., on premises. Brick, 1 story, 96x33 feet, slag roof, maple floors, electric light, elevators, fireproof frames, hollow metal skylights. Architect taking bids due May 22nd.

**House (alt. and add.)**, York, Pa. Architect, Ed. Leber, Hay Building, York, Pa. Owner, Hon. George Marlow, East Philadelphia street, York, Pa. Brick and frame, 2 stories, bay window, electric light, plumbing, hardwood floors, tile work, interior mill work. Plans in progress.

**Residence**, Springfield, Pa. Architect, Wesley L. Blithe, 603 Chestnut street, Philadelphia. Owner, Roy E. Blithe, 101 North Thirty-fifth street, Philadelphia. Stone and

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Wales, Pa.; Howard S. Amey, Ambler, Pa.; W. John Stevens, Inc., Wyncote, Pa.; Charles B. Henck, Norristown, Pa., and F. E. Wallace, 1220 Chancellor street; Mackle-McClelland Const. Co., Drexel Building, Philadelphia, are figuring.

**Residence (alt. and add.),** Merion, Pa. Architects, De Armond, Ashmead & Bickley, Franklin Bank Building. Owner, W. F. Murphy, Merion, Pa. New bath, 3 rooms, wood partitions. Plans in progress.

**Garage,** Protectors Station, P. R. R., Pa. Architect, Paul Monaghan, 1218 Chestnut street, Philadelphia. Owner, Philadelphia Catholic Protector for Boys, Norristown Branch, Pa. Brick, 1 story, 33x25 feet, slate, slag or Imperial Spanish tile roof, cement floor, steam heat, electric light, iron work. Architect has received bids.

**Residence,** Brookline, Pa. Architect, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, name withheld. Frame and stucco, 2½ stories, 30x40 feet, shingle roof, oak floors, stone foundation, hot water heat, electric lighting, tile work. Plans about completed. Will be ready for bids in a week.

**Moving Picture Theatre,** 947 Hamilton street, Allentown, \$125,000. Architect, David Levy, 938 Hamilton street. Owner, Chanock & Senderowitz, on premises. Brick, steel and frame, 1 story and balcony, 100x100 feet, stone foundations, slag roofing, wood floors, electric lighting, tile, marble and terrazzo work, ornamental plaster and interior decorations. Architect taking sub-bids.

**Silk Mill (alt. and add.),** Catasauqua, Pa. Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owner, Wahnetah Co., Catasauqua, Pa. Brick, 1 story, 35x100 feet,

steel beams and mill construction, lowering basement for lunch rooms and hospital. Plans in progress. Architect has received bids.

**Community Buildings, (4) Cottages, Solarium and Fire Tower,** Cresson, Pa. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owner, State of Pennsylvania, Department of Health, Harrisburg, Pa. Frame, stucco, stone, 1 story, 111x57 feet, 2 stories, 22x25 feet, 2 stories, 48x25 feet, asbestos shingle roof, pine floors, stone foundations, hollow tile, metal lath, terrazzo work, iron work, fire tower (heating, lighting and plumbing reserved). Owners taking bids due May 17th. Ed. Fay & Son, 2 South Mole street, and F. A. Havens & Co., 845 North Nineteenth street, Philadelphia, are figuring.

**Community Buildings,** Mont Alto, Pa. Architects, Harris & Richards, Drexel Building. Owners, State of Pennsylvania, Department of Health, Harrisburg, Pa. Frame, asbestos shingle and concrete, utility building, 1 story, 94x36 feet, auditorium, 1 story, 44x90 feet, dormitory, 2 stories, 37x76 feet, boiler house, 1 story, 43x72 feet, boiler house (alt. and add.), 1 story, 30x31 feet, laundry building, 1 story, 39x174 feet, (6) employees' houses, 2 stories, 21x29 feet, asbestos, shingle roof, oak and maple floors, concrete foundations, tile work, metal lath, safety treads, steel and kalamein doors, iron work (plumbing, heating and electric work reserved). Owners taking bids, due May 17th. Edw. Fay & Son, 2 South Mole street, and F. A. Havens & Co., 845 North Nineteenth street, Philadelphia, are figuring.

**Mill (add.),** Chester, Pa. Architects, Balingier & Perrott, Seventeenth and Arch streets, Philadelphia. Owners, Aberfoyle Mfg. Co., Chester, Pa. Concrete and steel, 3 stories, 51x121 feet, composition roof, composition floors, concrete foundations, vacuum heating, rolled steel sash, electric lighting. Architects and Wm. Provost, Chester, Pa., are taking sub-bids.

**Dairy Barn and Community Building,** Hamburg, Pa. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owner, State of Pennsylvania, Department of Health, Harrisburg, Pa. Frame and stucco, 1 story, 105x36 feet, and 2 stories, 56x120 feet, asbestos shingle roof, pine and wood block floors, hollow tile, stone foundations, terrazzo work, hollow metal sash, iron work. Owners taking bids due May 17th. Edw. Fay & Son, 2 South Mole street, and F. A. Havens & Co., 845 North Nineteenth street, are figuring.

**Barn (alt.),** near Uniontown, Pa. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, name withheld. New slate roof and sanitary equipment, new silo. Architect taking sub-bids.

**Residence (alt. and add.),** Lansdowne, Pa. Architect, Francis G. Caldwell, Stephen Gir-

ard Building, Philadelphia. Owner, F. Rees Phillips, Lansdowne, Pa. Plaster, 2 stories, 20x15 feet, shingle roof, metal lath, tile and marble work (heat and light reserved). Architect has received bids.

**Road Work,** Pennsylvania. Engineer, private plans. Owner, State of Pennsylvania, Department of Highways, Harrisburg, Pa.

Blair County, Antis Township, Route No. 55, length 13,623 feet. Bituminous or reinforced concrete.

Butler County, Butler and Penn Townships, Route No. 72, length 32,229 feet. Bituminous or reinforced concrete.

Cameron County, Shippen Township, Route No. 99. Length 11,065 feet. Bituminous or reinforced concrete.

Clarion County, Paint and Elk Townships, Route No. 65. Length 26,648 feet. Reinforced concrete and hillside vitrified brick.

Clinton County, Avis Borough, Route No. 23. Length 4,984 feet. Reinforced concrete.

Crawford County, Cambridge Township and Cambridge Spring Borough, Route No. 84. Length 16,552 feet. Bituminous or reinforced concrete.

Dauphin County, Middle, Paxton and Read Townships and Dauphin Borough, Route No. 1. Length 33,917 feet. Bituminous or reinforced concrete and hillside vitrified brick.

McKean County, Otto, Keating and Foster Townships, Route No. 96. Length 53,372 feet. Reinforced concrete.

Mercer County, Coolspring and Jefferson Townships, Route No. 82. Length 17,891 feet. Bituminous or reinforced concrete.

Somerset County, Ellick Township, Route No. 51. Length 10,554 feet. Reinforced concrete and hillside vitrified brick.

Union County, West Buffalo, Limestone and Lewis Townships, Route No. 27. Length 12,464 feet. Bituminous or reinforced concrete.

Venango County, Sugar Creek Township, Route No. 91. Length 9,550 feet. Reinforced concrete.

Warren County, Farmington Township, Route No. A1-54. Length 7,783 feet. Reinforced concrete and hillside vitrified brick.

Wayne County, Texas and Palmyra Townships, Route No. 7. Length 27,688 feet. Bituminous or reinforced concrete.

Westmoreland County, Adamsburg Borough, Route No. 120. Length 2,085 feet. Bituminous or reinforced concrete.

Westmoreland County, Adamsburg Borough, Route No. 120. Length 2,085 feet. Reinforced concrete.

Owners taking bids, due May 26th at 10 A. M. Deposit \$2.50 per set.

**Residence,** Cynwyd, Pa. Architect, Frank Seeburger, Weightman Building, Philadelphia. Owner, A. W. Pickford, 120 Birch Road, Cynwyd, Pa. Stone, 2½ stories, 35x110 feet, shingle roof, oak floors, hot water heat, electric light, tile work. Plans in progress.

**Bungalow,** Collingdale, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Christian Hansen, East Lansdowne, Pa. Brick and frame, 1½ stories, 28x36 feet, shingle roof, pine and cement floors, stone foundations, pipeless heater, electric lighting. Owner is taking sub-bids.

**Office Building,** 613 Walnut street, Harrisburg, Pa., \$10,000. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Witman Schwaiz, care of C. K. Dein, on premises. Brick, 1 story, 26x80 feet, slag roof, maple floors, electric light. Preliminary plans in progress. Architect taking bids in two weeks.

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**Apartment**, Third and Locust streets, Harrisburg, Pa. Architect not yet selected. Owner, care of Wm. T. Hildrup, Jr., Harrisburg, Pa. Modern in every respect. Work contemplated.

**Hospital (alts. and add.)**, Mulberry and Front streets, Harrisburg. Architect not selected. Owners, Harrisburg Hospital, on premises. Interior alterations. Work contemplated.

**Store and Office (alts. and add.)** 8 Second street, Harrisburg, \$50,000. Architect, F. G. Fahnestock, Patriot Building, Harrisburg, Pa. Owner, G. L. Bricker, on premises. Brick, 4 stories, 125x30 feet, concrete foundations, slag roof, steam heating, electric light, reinforced concrete and wood floors, hollow metal skylights, metal window guards, metal weatherstrip, store fixtures. Plans in progress.

## PENNSYLVANIA Contracts Awarded

**Bank Building (alt. and add.)**, Ashland, Pa. Architect, Benjamin R. Stevens, 1737 Filbert street, Philadelphia. Owner, Ashland National Bank, Ashland, Pa. Brick, reinforced concrete and steel, 43x60 feet, slag roof, stone foundations, electric light, tile and marble work, cement, cork and reinforced concrete floors, hollow tile, metal lath and ceilings, iron work, wire work, kalamein sash. Contract awarded to George Keefer, Mt. Carmel, Pa.

**Residence**, Manoa, Pa. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, William Leedom, Manoa, Pa. Stone and stucco, 2½ stories, 26x35 feet, shingle roof, oak floors, hot air heating, electric lighting, tile and marble work. Contract awarded to R. L. Zimmerman Const. Co., Chester, Pa.

**Apartment and Store**, 1320 Chew street, Allentown, Pa. Architect, L. S. Jacoby, Commonwealth Building, Allentown. Owner, J. H. Mohr, 1318 Chew street, Allentown, Pa. Brick, 3 stories, 20x58 feet, slag roof, hardwood floors, steam heating, electric and gas lighting, tile and marble work. Contract awarded to Schaeffer & Laudenslager, Allentown, Pa.

**Garage (alts.)**, Ashbourne road, Elkins Park, Pa. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, Charles Silverman, Elkins Park, Pa. Stone, 2 stories, 24x36 feet, slate roof, plumbing, heating, electric lighting. Contract awarded to Charles B. Henck, Norristown, Pa.

**Garage**, Sixth and Welsh streets, Chester, Pa., \$16,500. Architect, private plans. Owner, name withheld. Brick, steel and frame, 2 stories, 60x141 feet, slag roof, stone foundations, steam heat, electric light, tile, marble and terrazzo work, metal skylights, roof ventilators, wood and cement floors, wire work. Contract awarded to R. H. Scroggins Co., Chester, Pa., who is taking sub-bids due May 16th.

**Garage**, 829 Edgmont avenue, Chester, Pa. Architect, private plans. Owner, William Rippl, on premises. Metal, 1 story, 20x32 feet. Contract awarded to R. H. Scroggins, Chester, Pa.

**Dwellings**, Bryn Mawr, Pa., \$12,000. Architect, private plans. Owner, Hillers Park Land Association, Trenton, N. J. Brick, 2½ stories, 14x30 feet, concrete foundations, slate roofing, pine floors. Contract awarded to Harry Siegel, 1342 Princeton street, Trenton, N. J.

**Hotel Building (alts.)**, First avenue and Main street, Coatesville, Pa. Architects, Stuckert & Co., Crozer Building, Philadelphia. Owner, Speakman House, care of William F. Bovgar, Coatesville, Pa. Brick, cut stone, 4 stories, L shaped, 25x96 feet and 26x96

feet, copper and tin roof, pine and maple floors, stone foundations, steam heat, electric lighting, tile and marble work, fire escapes, metal ceilings. Contract awarded to W. J. Elliott, Coatesville, Pa.

**Cottages (2)**, Bryn Mawr, Pa. Architect, Charles B. Keen, Bailey Building, Philadelphia. Owner, Mrs. W. B. Saunders, Bryn Mawr, Pa. Stone, 2 stories, 36½x32 feet, shingle roof, stone foundations, hot air heat, electric light (heat and range reserved). Contract awarded to Milton W. Young, Overbrook, Pa.

**Factory Building**, East Broad street, Tamaqua, Pa. Architect, Benjamin R. Stevens, 1737 Filbert street, Philadelphia. Owner, M. & G. Ice Cream & Ice Co., Tamaqua, Pa. Brick, concrete and terra cotta, 2 stories, 88x102 feet, slag roof, cement and composition floors, electric light, terrazzo work, rolled steel sash, steel doors, safety treads, hollow tile, elevators, concrete stairs, ornamental iron work. Contract awarded to H. E. Baton, 1713 Sansom street, Philadelphia.

**Double Residence**, Second and Seneca sts., Harrisburg, Pa., \$10,000. Architect, C. J. Leppley, 206 Market street, Harrisburg, Pa. Owner, H. J. Formwalt, 1807 North Third street, Harrisburg, Pa. Brick, 2½ stories, 29x41 feet, slate roof, hardwood floors, electric light. Contract awarded to F. L. Morrow, 3223 North Third street, Harrisburg.

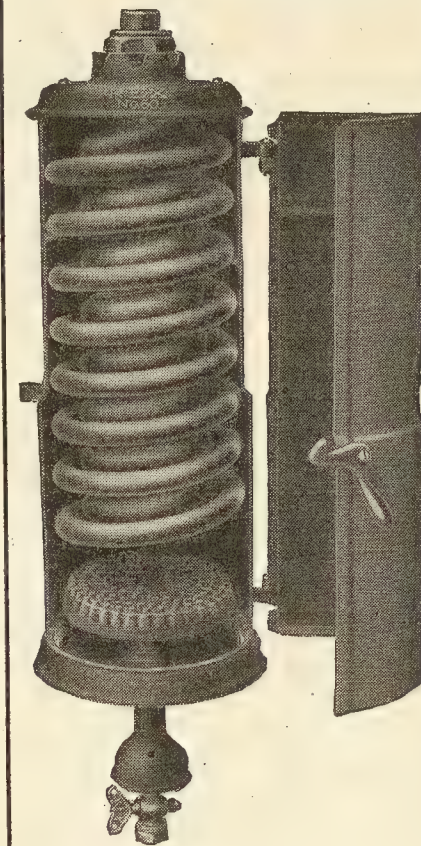
**Apartment House**, Front and Boas streets, Harrisburg, Pa., \$100,000. Architects, Baily & Bassett, Philadelphia. Owner, care of C. L. Long, Kunkle Building Harrisburg, Pa. Brick, fireproof, 5 stories, 140x86 feet, stone foundations, slag roofing, steam heating, electric and gas lighting, hollow tile, metal lath, elevators, tile, marble and terrazzo work. Contract awarded to C. L. Long, who is taking sub-bids.

**Apartment Building (alts.)**, West Market street, York, Pa. Architects, Gammell & Billmeyer, York, Pa. Owners, York Paint and Color Co., West Market street, York, Pa. Brick, stone trimming, 4 stories, 26x83 feet, slag roofing, steam heating, electric lighting, hardwood floors, tile and marble work. Contract awarded to J. Reinfolar, York, Pa.

**Residence (alts. and add.)**, Mahantoga and Thirteenth streets, Pottsville, Pa. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, J. G. Royal, Pottsville, Pa. Frame, 2 stories, 9x20 feet, tin roof, hardwood floors, hot water heating, electric lighting, tile and marble work, reinforcing steel and iron work (lighting fixtures reserved). Contract awarded to Clarence E. Messersmith, Pottsville, Pa.

**Attendant's House (add.)**, Farview, Wayne County, Pa., \$15,000. Architect, Charles L.

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Hillman, 400 Chestnut street, Philadelphia. Owners, State Hospital for Criminal Insane, care of H. G. Ashmead, secretary, Waymart P. O. Wayne County, Pa. Stone, brick and steel, fireproof, 2 stories, slag roof. Contract awarded to Hagen Lumber Co., Scranton, Pa.

## New Jersey Construction News

**Hotel**, Lakewood, N. J. Architects, Shamp & Shamp, 50 Court street, Brooklyn, N. Y. Owner, Ellisburg Hotel Con. Co., care of architects. Stucco and hollow tile, 5 stories, 118x172 feet, asphalt and felt roof, oak, maple and N. C. pine floors, concrete foundations, steam heat, electric light, tile and marble work, hollow tile, artificial stone, metal lath, elevators, metal window guards, metal ceilings, waterproofing, bronze work, hollow metal sash, kalamein doors, fire escapes, iron stairs, structural steel and ornamental iron work. Architects have received bids.

**Factory**, Northeast Corner Park and Pacific avenues, West Collingswood, N. J. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owner, Camden Motors Corp., care of Frederick Bateman, Grenlock, N. J., near Blackwood, N. J. Brick, terra cotta, 1 story, 76x301 feet, slow burning construction, slag roof, wood block floor, rolled steel sash, roof ventilators, galvanized iron skylights (plumbing, heating and electric work reserved). Architects have received bids.

**Dwellings (6)**, Sanchican Drive, Trenton, N. J., \$16,800. Architect, private plans. Owner, Harry Siegal, 1342 Princeton street, Princeton, N. J. Brick, 2½ stories, 14x28 feet, stone foundations, slate roofing, steam heating, electric lighting. Owner will build.

**Dwellings (2)**, Ellsworth avenue, Trenton, N. J., \$5,900. Architect, private plans. Own-

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er, Harry Hilton, 22 Lee street, Trenton, N. J. Brick and frame, 2 stories, stone foundations, 15x42 feet, steam heating, electric lighting, slag roofing. Owner will build.

**Dwellings (6)**, 39-49 Laurel street, Trenton, N. J., \$15,000. Architect, private plans. Owner, W. J. Morris, Broad Street Bank Building, Trenton, N. J. Brick, 2½ stories, 18x30 feet, stone foundations, slate roofing, pine floors, electric lighting. Owner will build.

**Dwellings (2)**, 21-31 Elmhurst avenue, Trenton, N. J., \$6,000. Architect, private plans. Owner, W. Morris, Broad Street Bank Building, Trenton, N. J. Brick, 2½ stories, 21x36 feet, concrete foundations, slate roof, pine floors. Owner will build.

**Apartments**, Woodstown, N. J. Architect, H. B. Weldon, 10 South Eighteenth street, Philadelphia. Owner, D. W. Humphreys, Woodstown, N. J. Brick, 2 stories, 58x78 feet, slag roof, hot water heating, electric lighting, tile and marble work, parquetry and composition floors. Plans in progress. Will be ready for bids in a week.

**Hotel**, Illinois avenue and Boardwalk, Atlantic City, N. J. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Ritz-Carlton Hotel Co., Madison avenue and Forty-sixth street, New York City. Reinforced concrete, brick and steel, 15 stories, reinforced concrete floors, concrete foundations, steam heat, electric lighting, tile and marble work, hollow tile, metal lath, elevators. Work contemplated. Details undecided.

## New Jersey Contracts Awarded

**Dwellings (3)**, Eastfield avenue, Trenton, N. J., \$13,500. Architect, private plans. Owner, David S. Hill, 51 Colonial street, Trenton, N. J. Frame and stucco, 2 stories, 27x24 feet, concrete foundations, slate and asbestos roofing, yellow pine floors. Contract awarded to O. F. Johns, Trenton, N. J.

**Coal Storage Building**, Spec. 3685, Cape May, N. J., \$36,000. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Washington, D. C. Hollow tile and stucco, 1 story, 88x32 feet, asbestos roof, pile foundations, concrete floors, hollow tile, metal lath, roof ventilators, waterproofing, steel and iron work, screens. Contract awarded to Post & McCord Co., 101 Park avenue, New York.

## Miscellaneous Construction News

**Buildings**, Spec. 3818, Hampton Roads, Va., \$519,500. Architect, private plans. Owner, United States Government, Bureaus of Yards and Docks, Navy Department, Washington, D. C. Stucco, brick and asbestos shingle, 1 story, hanger No. 1, 300x100 feet, hanger No. 2, 330x168 feet, hanger No. 4, 376x180 feet, magazine building, 35x14 feet, motor test building, 22x129 feet, pump house, 16x16 feet, (3) landing piers, 150x100 feet, concrete road and pavements, concrete floors, composition or slag roofs, hollow tile, pile or concrete foundations, steam heat, electric light, rolled steel sash, steel sliding doors, steel and iron work. Contract awarded to Post & McCord, 101 Park avenue, New York City, time 230 days.

**High School**, Madison, Wis. Architect, Albert Kelsey, Perry Building, Philadelphia. Owners, Sacred Heart Academy, Madison, Wis. Brick and stone, 3 stories, slate roof, will include gymnasium, assembly hall, domestic science department. Plans in progress. Too early for details.

**Residence**, Carrol County, Maryland, \$12,000. Architects, Markley & Starr, Spooner Building, Harrisburg, Pa. Owner's name withheld, care of architect. Brick, 2½ stories, 31x40 feet, concrete foundations, shingle roof, hot water heat, electric light, hardwood floors, tile work. Plans in progress.

**Bank**, Chestertown, Md. Architect, Chas. R. Peddle, 136 South Fourth street, Philadelphia. Owners, Third National Bank, Chestertown, Md. Brick and marble, 1 story, 38x60 feet, slag roof, tile and marble work. Plans in progress.

## Delaware Construction News

**Residence (alt. and add.)**, Claymont, Del. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owner, E. H. Worth, Claymont, Del. Stone and brick, 3 stories, 40x50 feet, shingle roof, stone foundations, hot water heat, electric light, tile and marble work, oak floors, steel and iron work. Architects taking revised bids due May 19th. Wills-Ludwick Co., 1708 Sansom street, are figuring.

**Y. M. C. A. Building**, Ninth and King streets, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, Y. M. C. A., care of architect. Brick, 5 stories, 87x140 feet, slag and patent roof, hardwood floors, electric lighting, tile, marble and terrazzo work, hollow tile, elevators, roof ventilating, skylights, fire escapes (plumbing and heating reserved). Plans in progress.

**Church (alt.)**, Penn and Rodney streets, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, Westminster Church, Wilmington, Del. New pulpit, pews and addition to gallery. Plans in progress.

**Residence and Garage**, Seventeenth street, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, Dr. Bell, Wilmington, Del. Brick, 2½ stories. Plans in progress. Too early for details.

**Colonial Residence**, Seventeenth street, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. Brick, 2½ stories, 42x24 feet, wing 27x18 feet, slate roof, hardwood floors, stone foundations, electric lighting, tile and marble work. Architect has received bids.

**Bank (alt.)**, Delaware. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. Brick and concrete, slag roof, tile, marble and terrazzo work, vault, rolled steel skylights, bank fixtures, metal window guards. Architect taking bids due May 15th. Haddock & Co., Smyth Const. Co., Hoffman Const. Co. and A. M. Strickland & Son, all of Wilmington, are figuring.

**House**, Twenty-ninth and Boulevard, Wilmington, Del. Architect, J. D. Thompson, Wilmington, Del. Owner, I. Elmer Perry, Wilmington, Del. Brick, 3 stories, 39x36 feet, slate roof, hardwood floors, electric lighting, tile and marble work. Architect has received bids.

**Residence**, Delaware and Woodlawn avenues, Wilmington, Del. Architect, E. C. May,

Wilmington, Del. Owner, name withheld. Brick, 2½ stories, 47x28 feet, stone foundations, slate roof, hardwood floors, hot water heating, electric lighting, tile and marble work. Plans in progress.

**Lodge and Farmers' Cottage**, Eastern Shore, Md. Architect, William Woodburn Potter, Real Estate Trust Building, Philadelphia. Owner, Morris L. Clothier, Eighth and Market streets, Philadelphia. Concrete and frame, 2 stories, 25x100 feet and 20x50 feet, shingle roof, pine floors, cement work, hot air heat, electric light (water and sewage system and generating plant reserved). Contract awarded to Walter T. Pippin, Chestertown, Md.

## Proposals

### INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 5, 1919. SEALED PROPOSALS will be opened in this office at 3 P. M., June 2, 1919, for the installation complete of a hoistway and electric dumb waiter in the United States Post Office and Court House at Pittsburgh, Pa., in accordance with the drawing and specification, copies of which may be had at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

### Permits for New Buildings

Garage, Twentieth and Green streets, \$2,500. L. B. Levy, on premises (O). Brick, 1 story, 18 feet 6 inches x36 feet. Willard Myers (C), 200 East Cambria street.

Garage, 700 West Wyoming avenue, \$500. Thomas Duff (O and C), Asylum pike and Castor road. Brick, 1 story, 12x16 feet, slag roof.

Dwelling, 5940 North Park avenue, \$4,000. Robert H. Howell (O and C), 5944 North Park avenue. Brick, 2 stories, 16x44 feet, hot water heat.

Grand Stands (2), Northwest Corner Broad and Walnut streets, \$1,800. Manufacturers' Club (O), on premises. Frame, 14x35 feet and 18x100 feet. William Steele & Sons Co. (C), 1600 Arch street.

Garage, Harrison and Leiper streets, \$400. S. E. Carver (O and C), 4846 Leiper street. Brick, 1 story, 17x50 feet.

Garage, Lee street, North of Jefferson street, \$2,000. George A. Foster (O and C), 1708 Frankford avenue. Brick, 1 story, 54 feet 11 inches x24 feet, slag roof.

Dwellings (16), West side Sixth street, North of Chew street, \$65,000. Jacob M. Faust (O and C), 4611 North Broad street. Brick, 2 stories, 15 feet 7 inches x32 feet and 12x12 feet, hot air heating.

Dwelling, Southeast Corner Wyoming and Camac streets, \$5,500. Penna. Conference Brethren in Christ (O), 5046 North Eleventh street. Brick, 2 stories, 16x21 feet, 17x23 feet, hot water heat. Clinton L. Hemmerly (C), Oak Lane.

Garage, 1504-06 Frankford avenue, \$3,000. George A. Foster (O and C), 1508 Frankford avenue. Brick, 1 story, 33x76 feet.

Dwellings (2), Gorgas street, East of Ridge avenue, \$4,000. C. O. Strouse Estate (O and C), Manayunk. Brick, 2 stories, 16x32 feet, slag roofing, hot water heating.

We have pebbles all sizes. Cost less than what you are using. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



Factory, 1006 Vine street, \$12,100. Samuel Stern (O), 152 North Eleventh street. Brick, 2 stories, 24x104 feet. J. Roman (C), 414 East Brighthurst street.

Dwellings (4), Cobb's Creek Parkway, South of Larchwood avenue, \$30,000. Independent Realty Co. (O and C), 824 Snyder avenue. Brick, 2 stories, 16x66 feet, slag roofing, hot water heating.

Dwellings (4), Cobb's Creek Parkway, South of Larchwood avenue, \$28,000. Independent Realty Co. (O and C), 824 Snyder avenue. Brick, 2 stories, 16x33 feet, 13x38 feet, slag roofing, hot water heating.

Garage, 2426-28-30 Germantown avenue, \$10,000. Breyer Ice Cream Co. (O), Eighth and Cumberland streets. Brick, 1 story, 56 feet 6 inches x100 feet, slag roof. William F. Koelle & Co. (C), Twenty-sixth and Oxford streets.

Garage, 5912 Dakota street, \$400. Mary G. Nightlinger (O), on premises. Brick, 1 story, 15 feet 5½ inches x20 feet, slag roof. William Nightlinger (C), on premises.

Dwellings (3), East side Tenth street, North of Luzerne street, \$12,600. Edw. B. Friel (O and C), 2146 East Norris street. Brick, 2 stories, 15x40 feet, 12x8 feet, slag roofing, hot water heating.

Dwellings (3), South side Lycoming street, East of Tenth street, \$12,600. Edw. B. Friel (O and C), 2146 East Norris street. Brick, 2 stories, 16x36 feet, 12x7 feet, slag roofing, hot water heating.

Dwelling, Tenth and Lycoming streets, \$5,500. Edw. B. Friel (O and C), 2146 East Norris street. Brick, 2 stories, 16x60 feet 5 inches, slag roof, hot water heat.

Store and Dwelling, Tenth and Luzerne avenue, \$5,500. Edw. B. Friel (O and C), 2146 East Norris street. Brick, 2 stories, 15 feet 6 inches x48 feet 6 inches, slag roof, hot water heat.

Garage, 127 East Tioga street, \$800. Fred Schafer (O), 3500 Water street. Brick, 1 story, 23x16 feet. Henry Hobert (C), 2620 East Cumberland street.

Garage, 1119 Lindley avenue, \$925. Byron Hancock (O), 1119 Lindley avenue. Brick, 1 story, 12 feet 6 inches x18 feet 6 inches, slag roof. William J. Baltz (C), 709 Butler street.

Shop, 2266 North Eighteenth street, \$350. John Jacobs (O), on premises. Brick, 1 story, 16x10 feet. David Heitz (C), 2323 North Nineteenth street.

Dwelling, Van Kirk street, North of Reach street. William Tunnington (O and C), 106 Clarkson avenue. Brick, 3 stories, 16x27 feet, 16x15 feet, shingle or tin roof, hot water heat.

Garage, 707 Kenilworth street, \$1,500. J. L. Walther (O), on premises. Brick, 2 stories, 21x22 feet, slate roof. George H. Thirsk (C), Horrocks and Adams streets.

Residences (32), Torresdale avenue, Magee and Hellerman streets, \$97,200. James S. Larzelere (O and C), Land Title Building. Brick, 2 stories, 16½x46 feet, 16x24 feet, 12x12 feet, slag roof, hot water heat, electric light.

Garage, 2040 East York street, \$500. P. J. McDonnell (O and C), 2038 East York street. Brick, 1 story, 16x18 feet.

Garage, 1310-12 North Fourth street, \$550. Harris Brady (O), on premises. Sol Shes-tack (C), 322 Dickinson street.

Open Pavilion, East side Roosevelt Boulevard, South of St. Vincent street, \$2,000. Mackin & O'Donell (C), 3427 Longshore

street. Frame, 41x123 feet. Ralph J. Buick (C), 3427 Longshore street.

Dwellings (4), Duncannon street, East of Lawrence street, \$12,800. Louis Braennig (O and C), 4933 North Fifth street. Brick, 2 stories, 14x29 feet, 11x12 feet.

Grand Stand, North side Chestnut street, Fifth to Sixth street, \$30,000. City of Philadelphia (O). Frame, 177x18 feet. Cramp & Co. (C), 801 Denckla Building.

Dwellings (6), 5701-3-5-7-9-11 Ditman street, \$15,600. Samuel S. Wilmer (O and C), 3211 Comly street. Brick, 2 stories, 16x33 feet 6 inches, slag roofing, hot water heating.

Dwellings (7), 7830 Cresheim road, and (6) 22 to 32 Springfield avenue, \$69,500. Dr. George Woodward (O), 709 North American Building. Stone, 3 stories, 34x34 feet, 32 feet 4 inches x40 feet, 28x35 feet 4 inches, 32x37 feet, 28x37 feet, 35 feet 6 inches x20 feet 5 inches, 39x34 feet, slate roof, hot water heating. Wolverton Co. (C), 29 East Willow Grove avenue.

Garage, 4345 North Darien street. G. J. Baurle (O and C), 4314 North Eighth street. Brick, 1 story, 14 feet 6 inches x19 feet, \$700.

Garage, 312-14-16 West Cheltenham avenue, \$10,400. J. S. Adams (O), 5014 Germantown avenue. Stone, 1 story, 47x146 feet. Charles Johnson (C), 5701 Boyer street.

Garage, 1221 West Cambria street, \$1,000. Frederick Noll (O), 1221 West Cambria street. Brick, 1 story, 16x18 feet, concrete roof. Frank K. Stahl (C), 2713 North Park avenue.

Dwelling, Woodbine avenue, West Fifty-third street, \$10,000. F. H. Martin (O), Fifty-third and Woodbine avenue. Stone, 3 stories, 23x22 feet, 29x18 feet, slate roof, hot water heat. Geo. Kessler Cont. Co. (C), 911 Drexel Building.

Dwellings (4), 222-228 South Sixtieth street, \$40,000. T. Glassman (O), 222 South Sixtieth street. Brick, 3 stories, 15x29 feet, 11 feet 6 inchesx39 feet, slag roof, hot water heating. N. Raidman (C), 4737 Sansom street.

Dwellings (27), 4800-4852 North Ninth street, \$130,300. Harry Gill, Jr. (O), 2515 Germantown avenue. Brick, 2 stories, 15x42 feet, 15x32 feet, 9x10 feet, slag roofing, hot water heating. Owner will build.

Garage, Cabot and Thompson streets, \$380. J. B. Cornell (O), 2110 Ridge avenue. Iron, 1 story, 12x25 feet. M. Moister & Co. (C), 3931 North Fifth street.

Garage, 6808 North Eleventh street, \$540. D. R. Taylor (O), on premises. Iron on iron, 1 story, 18x20 feet. M. Moister & Co. (C), 3931 North Fifth street.

Dwelling, Linden avenue, east of German-town avenue, \$1,500. John Digiser (O and C), on premises. Frame, 2 stories, 24x16 feet.

Garage, 6105 North Warnock street, \$442.36 J. Broich (O), on premises. Iron on iron, 1 story, 14x18 feet. R. J. Lechner (C), 2715 Eddington street.

Garage, 409 Westview street, \$1,595. Harold M. Null (O), on premises. Brick, 1 story, 15x23 feet. I. W. Dunkelberger (C), 21 Herman street.

Garage, 911-15 North Second street, \$12,000. S. Leidensor (O), 1039 South Fifth street. Brick, 1 story, irregular in size. Jos. Levin (C), 1402 South Second street.

Garage, 718-20 New Market street, \$5,300. Brown Bros. (O), 151 Fairmount avenue. Brick, 1 story, 36x117 feet, slag roof. Max Cotler (C), 1220 North Forty-second street.

Store and Dwelling, 1147 South Ninth street,

\$3,200. Philip Guervera (O), 1145 South Ninth street. Brick, 3 stories, 19x30 feet, 16x10 feet, slag roof. Guiseppi Ferreri (C), 1223 Latona street.

Dwellings (2), Sixtieth street, south of Delancey street, \$10,000. Sol Hopkins (O and C), Sixtieth and Pine streets. Brick, 3 stories, 19 feet 6 inchesx32 feet, 16 feet 6 inchesx48 feet, slag roofing, hot water heating.

Dwelling, Sixtieth and Delancey streets, \$15,000. Sol Hopkins (O and C), Sixtieth and Pine streets. Brick, 3 stories, 21x80 feet, slag roof, hot water heating.

### Alterations and Additions

Store, Twenty-sixth and Huntingdon streets, \$1,500. John P. Mahon (O and C), 2733 West Lehigh avenue.

Store, 141-43 North Fourth street. John G. Traver & Co. (O), on premises. 4 stories, 7 feet 6 inchesx8 feet 6 inches, and flush bulks. \$5,000. Matthew Schmid (C), 1308 North Sixth street.

Dwelling, 707 Kenilworth street, \$1,700. John L. Walther (O), on premises. 2 stories, brick, 19x23 feet. George H. Thirsk (C), Horrocks and Adams streets.

Store and Dwelling, 944 North Second street, \$1,000. Samuel Blusk (O), on premises. Samuel Malkin (C), 425 Poplar street.

Store and Two Family Dwelling, 2504 South Broad street, \$1,000. Antonio Menei (O), on premises. Brick, second and third stories, rear, 13x5 feet, 13x24 feet. Arnaldo Bonvin (C), 1516 South Juniper street.

Stores and Dwellings (3), 402-06 South Sixtieth street, \$800. Sol Hopkins (O and C), Sixtieth and Pine streets.

Store and Dwelling, 4826 Woodland avenue, \$450. Flush bulk. Nick Condis (O), on premises. James Phillips (C), 230 South Eighth street.

Restaurant, 30 to 36 South Fifteenth street, \$5,000. Philadelphia Central Realty Co. (O and C), 1412 Chestnut street. Brick, 2 stories, 20x42 feet.

Factory, 113 Berkley street, \$1,300. Moore Push Pin Co. (O), on premises. Radial brick chimney, 75 feet high. Alphens Custodis Chimney Co. (C), Pennsylvania Building.

Dwelling, 3200 Clifford street, \$500. S. Patrovitz (O), on premises. Frame shed. M. J. Benamy (C), 3042 West York street.

Store, 1316 Chestnut street, \$600. Howard Kelly (O), on premises. New roof construction, skylights. Harry R. Rust (C), 19 South Eighth street.

Dwelling, 1030 Mifflin street, \$300. Joseph Caslucci (O and C), on premises. Brick, 1 story, 12x12 feet, slag roof.

Shop, Eighty-second and Eastwick avenue, \$1,200. Island Road Bottling Co. (O), on premises. Brick, second story, 20x60 feet. F. Paulson (C), Seventy-fifth and Island Road.

Dwelling, 1202 East Susquehanna avenue, \$900. Miss Anna Boland (O), on premises. Brick, 1 story, 10x12 feet. Samuel S. Sanders & Bro. (C), 519 Richmond street.

Store, 5731 Woodland avenue, \$1,000. Brick, second story front and rear, 16x7 feet 6 inches, 16x22 feet 3 inches. James Apostolico (C), 6059 Kingsessing avenue.

Dwelling, 2017 South Fifth street, \$600. Samuel Raider (O), on premises. Brick, 2 stories, 14x12 feet. Louis Salgonck (C), 1604 Emily street.

Dwelling, 2023 South Fourth street, \$400. I. J. Muldaner (O), on premises. Brick, sec-

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ond story, 12x13 feet, slag roof. Louis Salgo-net (C), 1604 Emily street.

Dwelling, 308 Gladstone street, \$300. Harry Leibin (O), on premises. Repair fire damage. Abraham Sharpkin (C), 3105 South Eighty fourth street.

Store and Dwelling, 2126 South Sixth street, \$700. Henry Ratsham (O), on premises. Flush bulk. Abraham Sharipkin (C), 3105 South Eighty-fourth street.

Garage, 4439 North Ninth street, \$700. J. Bean (O), on premises. Brick, 1 story, 10x19 feet. W. Fischer & Sons, Hutchinson and Ruscomb streets.

Mill, Bellfield and Wister streets, \$3,000. J. H. & B. G. Bromley (O), 218 South Forty-second street. Le Roy K. Smith (C), Forty-first and Chester avenue.

Garage, 700 North Sixty-third street. J. J. Martin (O), on premises. Brick, 1 story, 26x19 feet, slag roof. Henry P. Friend (C), Norristown, Pa.

Store and Dwelling, Ninth and Moore streets, \$1,300. S. Demate (O), on premises. Two flush bulks. Donato & Buro (C), 809 South Eighth street.

Dwelling, 621 South Sixtieth street. S. Calpacian (O), 5926 Walnut street. Two story front, brick, 16x8 feet, slag roof. A. M. Mahjoubian (C), 5926 Walnut street. \$1,500.

Dwelling, Fifty-second and Ludlow streets, \$300. Max Peckin (O), on premises. Second story, 16x17 feet, slag roof. Samuel Goldstein (C), 212 Catharine street.

Dwelling, 2205 Naudain street, \$770. D. Forrest & Son, Twenty-second and Lombard streets. For garage, brick, 1 story, 11x17 feet. MacTavish (C), 1515 Pine street.

Factory, Third street, North of Allegheny avenue, \$800. Bernstein Mfg. Co. (O), on premises. William Steel Sons Co., 1600 Arch street (C).

Office, Milnor and Unruh streets, \$15,000. Henry Disston & Son (O), on premises. Brick, second story, 18x36 feet, 12x17 feet. Henry E. Baton (C), 1713 Sansom street.

Store and Dwelling, 309 South street, \$500. B. Rositzkp (O), on premises. Smuckler & Roseital (C), Seventh and Washington avenue.

Forge Shop, Lewis and Tacony streets, \$30,000. William and Harvey Rowland (O), on premises. Brick, 1 story. Irwin & Leighton (C), 126 North Twelfth street.

Office, 208 South Fourth street, \$2,000. John F. Lewis (O), 110 South Fourth street. John Duncan (C), 920 Walnut street.

Dwelling, 830 North Forty-fifth street, \$500. Scott Powell Dairies (O), Forty-fifth and Parrish streets. J. W. Lafferty (C), 847 North Forty-fifth street.

Dwellings (3), alt. to Stable, 818-20 North Forty-fifth street, \$500. Scott Powell Dairies (O), Forty-fifth and Parrish streets. J. W. Lafferty (C), 847 North Forty-fifth street.

Garage to Warehouse, 2347 North Carlisle street, \$500. J. Fritz (O), 2931 Master street. T. C. Dudley (C), 2518 North Broad street.

Office and Storage, 1305 Walnut street, \$3,000. Penna. Co. of Ins. S. D. Co., 517 Chestnut street. MacTavish (C), 1515 Pine street.

Store and Dwelling, Sixteenth and Ruscomb streets, \$1,700. Ernest Burton (O), on premises. 2 story, brick, 16x10 feet, slag roof. Harry S. Barnes (C), 2080 East Millard street.

Dairy, Merion avenue, South of Girard avenue, \$300. Supplee Wills Jones Co. (O), Twenty-sixth and Jefferson streets. Fire wall.

George Kessler Cont. Co. (C), 911 Drexel Building.

Dwelling, 1917 North Broad street, \$500. Leo G. Balzerell (O), on premises. Brick, 1 story, 12x14 feet. George Kessler Cont. Co. (C), 911 Drexel Building.

Garage, 4717-19 Duffield street, \$700. Alfred R. Swope (O and C), 684 Margaret street. Brick, 1 story, 17 feet 10 inches x74 feet, slag roof.

Store and Dwelling, Seventh and Ritner streets, \$1,585. Mr. Friedman (O), on premises. New flush bulks. Jake Bender (C), 1817 South Fourth street.

Dwelling, 653 North Thirty-eighth street, \$940. Morris Giller (O), on premises. Brick, 2 stories, 14x12 feet. D. Chamien (C), 704 Brown street.

Store, 1306 Chestnut street, \$17,000. George Miller (O), on premises. Lam Building Co. (C), 1001 Wood street.

Motion Picture Theatre, 722 Market street, \$15,000. A. R. Boyd and Jules Mastbaum (O and C), 1214 Market street. Fireproof floors and ceiling.

Dwelling, 3242 North Front street, \$1,100. Joseph S. Harrison (O), 1336 Harrison street. Change to store and dwelling, flush bulk. Thomas Matthews & Son (C), 2336 North Hancock street.

Tenement, 4900 Chestnut street, \$900. Frank Richard (O), on premises. Third story, porch. R. L. Hoskins (C), 635 North Fortieth street.

Dwelling, 930 North Seventh street, \$350. John Cooper (O), on premises. 1 story, brick, 12x10 feet. L. Eisenberg (C), 932 North Seventh street.

Factory, Ridge avenue and Crawford street, \$10,000. J. & J. Dobson (O and C), on premises.

Dwelling, Potter street, North of B street, \$9,500. Church of Visitation (O), B and Potter streets. 3 story, brick, 18 feet 2 inches x36 feet slag roof. D. W. O'Dea (C), 5227 North Fifth street.

Dwelling, 1126 South Broad street, \$2,000. V. Bellino (O), 806 Christian street. Brick, 1 story, 16x4 feet. Frank Lucci (C), 1603 Ellsworth street.

Factory, 43 South Second street, \$4,000. Montgomery Bros., Inc. (O), on premises. Brick, 6 stories, 8 feet 5 inches x6 feet 5 inches. Smith Hardican Co. (C), 1606 Cherry street.

Dwelling, 3234 East Thompson street, \$350. Stanislaw Kozul (O), on premises. Brick, 2 stories, 10x15 feet. Sylvester Ozga (C), 3212 East Thompson street.

Manufacturing Building, Fifty-fourth and Wyalusing avenue, \$1,000. Kabisch & Co. (O), 5526 Vine street. Elevator.

Store and Dwelling, 6040-42 Market street, \$500. Betty Candy Store (O), on premises. George Sherm, Jr. (C), 20 North Robinson street.

Store and Dwelling, 2550 South Tenth street, \$1,000. J. Zeresky (O), 2300 South Seventh street. New flush bulk. Abe Shistack (C), 528 Reed street.

Cafe and Restaurant, 1024 West Girard avenue, \$900. Charles Visser (O), on premises. Brick, 2d story, 12x20 feet. Max B. Hirschberg (C), 127 North Fifty-fifth street.

Dwelling, 436 South Sixtieth street. Seigle (O), on premises. Brick, 1 story, 16x8 feet, \$1,000. Nathan Berman (C), 5958 Delancey street.

Store and Dwelling, 3103 Columbia avenue. D. Katz (O), on premises. Flush bulk, \$1,300. A. Camanack (C), 3828 Columbia avenue.

Store, 1501 Fairmount avenue, \$965. B. Barron (O), Commonwealth Building. B. Bornstein (C), 1510 North Franklin street.

Store and Dwelling, 1823 South Eighth st., \$950. I. Goldman (O), on premises. Brick, 2 stories, 13x14 feet 9 inches. Max Gasen (C), 735 Pierce street.

Dwelling, 1538 Christian street, \$1,500. Chas. Norwood (O), on premises. Samuel H. Blythewood (C), 1709 Christian street. Brick, 3 stories, 14x21 feet 6 inches.

Dwelling, Fortieth and Girard avenue, \$1,000. M. J. Effenger (O), on premises. J. D. Fisher (C), 5424 Thompson street.

Dwelling, 4662 Umbria street, \$700. Vincent Tacchino (O), on premises. Brick, 2 stories, 14x16 feet. Mose La Porta (C), W. Manayunk, Philadelphia.

Dwelling, 216 South Fortieth street, \$500. Dr. N. H. Long (O), 4737 Lancaster avenue. 1 story, 10x12 feet, slag roof. Christian E. White (C), 511 North Sixty-third street.

Dwelling, 1820 Pine street, \$1,500. M. R. Stanbach (O and C), Eleventh and Ridge avenue.

Dwelling, Twenty-first and Kimball streets, \$400. Louis Senins (O), on premises. Brick, 2 stories, 16x10 feet 6 inches. Joseph Courtney (C), 2024 Ellsworth street.

Dwelling, 2120 Catharine street, \$550. Martha Hypps (O), on premises. Brick, 2 stories, 12x12 feet. H. C. Harris (C), 2119 Fitzwater street.

Store and Dwelling, 2607 Germantown avenue, \$300. E. Walton (O), on premises. A. Tilli (C), 926 West Lehigh avenue.

Store and Dwelling, 2609 Germantown avenue, \$650. Jubick Bros. (O), on premises. Brick, 1 story, 3x15 feet. A. Tilli (C), 926 West Lehigh avenue.

Factory, Adams avenue and Leiper street, \$600. French Dyeing and Finishing Co. (O), on premises. Tank support. George H. Think (C), Adams avenue and Harrocks street.

Dwelling, 6742 North Broad street, \$1,500. Thos. Kennedy (O), 6742 North Broad street. Brick, 3rd story, 16x30 feet. Thomas M. Keely (C), 4411 Germantown avenue.

Warehouse, 222 North Delaware avenue, \$4,500. Bernard S. Pineus (O and C), on premises.

Manufacturing Building, 884-90 North Forty-eighth street. Scott Powell Dairies (O and C), on premises. 1 story, 28x72 feet, \$5,000.

Store and Dwelling, Seventh and Luzerne streets, \$700. Mrs. Barbara Klauser (O), on premises. Brick, 1 story, 15x10 feet. Charles H. S. Zebley (C), 3928 North Seventh street.

Warehouse. Leverington and Nixon streets, \$500. Simister Milk Co. (O), on premises. Floor certificate. Elmer L. Cuthbertson (C), 234 Roxborough avenue.

Engine Room, Main street, north of Walnut Lane, \$500. Robert Krook (O), 623 Clevedon avenue. E. L. Cuthbertson (C), 334 Roxborough avenue.

Dwellings (4), 2634-40 South Hancock st., \$2,400. Abraham Berman (O and C), 2602 South Second street.

Stable, 2423 Spruce street, \$5,500. Charles E. Hires Co. (O), 208 South Twenty-fourth street. Brick, 2 stories, 19x17 feet 8 inches, 19x84 feet, slag roof. C. F. Roeger (C), 51 North Hutchinson street.

Dwelling, 412 South Sixtieth street, \$1,000. Kenin & Shapiro (O and C), 5860 Market st. Flush bulk.

Dwelling, 3183 Mercer street, \$600. P. Cog-anowski (O and C), on premises. Brick, 2 stories, 10x12 feet, slag roof.



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Face, Etc.).

O. W. Ketcham.....Builders' Exchange, Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

## Lehigh Portland Cement Co.,

Finance Bldg., Phila.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.

Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.

Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Contractors' Equipment.

Service Equipment Co.....Bourse Bldg., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.

General Fireproofing Co. 512 Bulletin Bldg., Phila.

Henry S. Harris.....Land Title Bldg., Phila.

Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.

McCalla Co., The Harold....531 N. 4th st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.

Truseon Steel Co....Commonwealth Bldg., Phila.

## Floor Plates.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.

Henry M. Miller.....46-48-50 N. 2d st., Phila.

Richardson and Boynton Co. 1332 Arch st., Phila.

## Gas Water Heaters.

Apeldorn & Beatty Co....155 N. 9th st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.

Fleck Bros. Co.....44 N. 5th st., Phila.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

Richardson and Boynton Co. 1332 Arch st., Phila.

## Insurance.

Harris J. Latta.....Pennsylvania Bldg., Phila.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.

Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Iron and Steel Bars and Plates.

McCalla Co., The Harold....531 N. 4th st., Phila.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Levels.

Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

## Light Iron Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lumber.

Wm. Lloyd Co.....29th and Ridge ave., Phila.

James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.

Italian Marble Mosaic Co...433 Spruce st., Phila.

Roman-Cianci Co., Inc...3428 Warren st., Phila.

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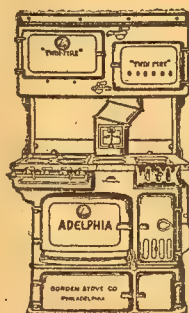
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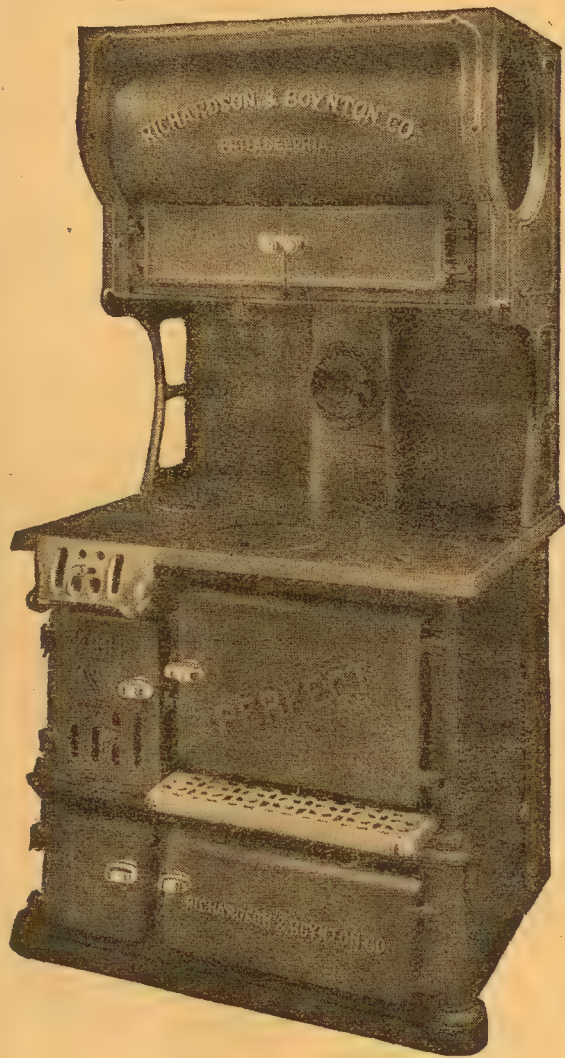
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 21  
May 21, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

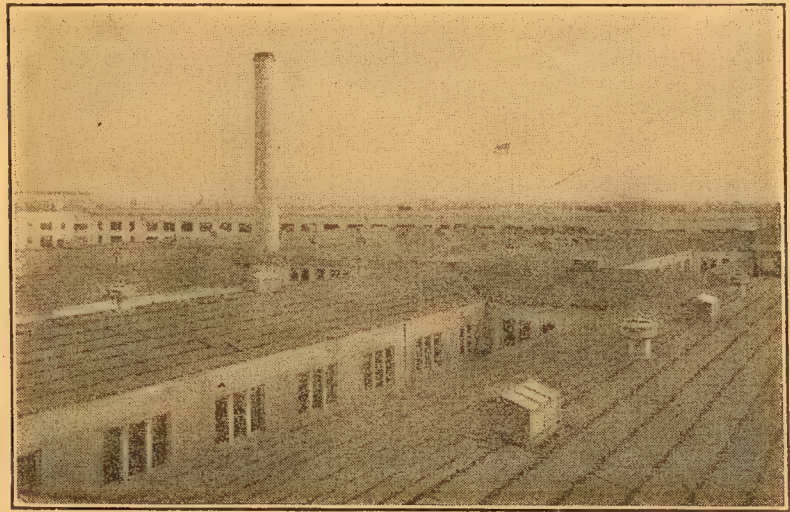
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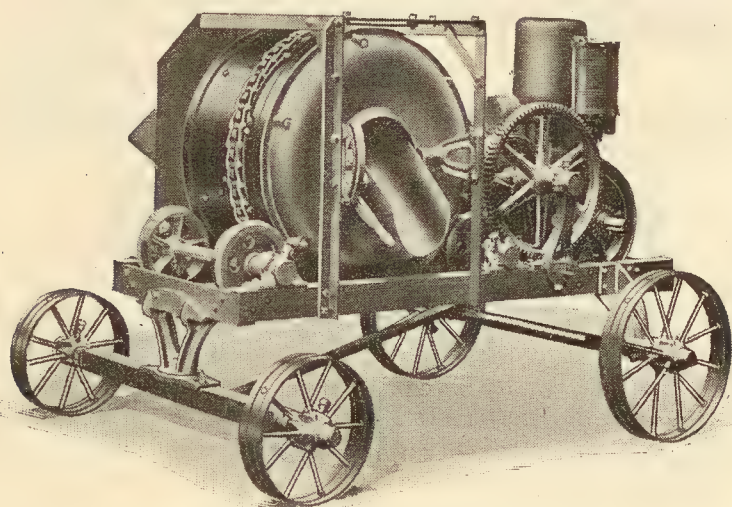
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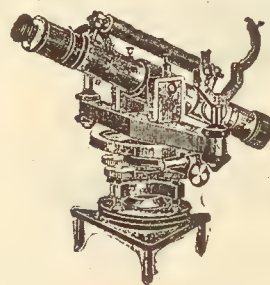
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 21

PHILADELPHIA  
May 21, 1919

## BUILDERS' GUIDE

OFFICES, PERRY BUILDING (Suite 824-825-826)  
Sixteenth and Chestnut Sts., Philadelphia, Pa.

PUBLISHED WEEKLY  
BY

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## As The Editor Sees It



THE relative merits of engineers and architects as planners is a subject which has recently caused much discussion due to the fact that many contractors as well as engineers have ventured to undertake this phase of construction work, and a few with no small degree of success. There are, however, certain qualities inherent in the architect, the result of definite training in this particular branch of construction, which render him best fitted to fulfill the demands of designing and planning.

In discussing this interesting question, the *Building Review*, New Orleans, voices the opinion that

"If there is one field in which the architect is supreme, and has no equal in anything that appertains to building construction, it is planning. Above all else the architect is the world's expert in the economical correlating of areas and the subtle co-ordination of the functions of a building, whether it be a home, office building, church, or the biggest warehouse or factory.

It is from this standpoint, therefore, that the architect very often views some great engineering project which embodies great buildings or floor areas as an architectural problem. If it is not strictly an architectural problem, no more then is it strictly an engineering one. The architect may be lost in the engineering research and problems involved would not dare attempt their solution, yet the engineer nevertheless dares to plan to do that for which by

schooling, training and mental bias he is incapable of, and that is to plan areas. Occasionally will be found an engineer who also is a planner, just as at times an architect will be found who in addition is gifted with the engineering sense.

The problems of planning are not problems of construction at all; but the architect soon learns to plan with a subconscious sense of correct construction. That is, his plans involve no constructional absurdities, and in any case construction is readily adapted to plan. But not so the engineer. He is an able constructor and methodizer. He has, in the best type, far vision and cool judgment. He claims to assume nothing! But he does assume one thing, and that is, that he knows how to plan! Engineering planning of buildings is deficient because the engineer thinks more of construction than he does of plan. His business (aside from research and creative engineering) is primarily one that has to do more with stresses and strains, thrust and counter-thrust, expansion and loads, than with economy or beauty in plan.

The engineer constructs and then plans to fit this construction. The architect plans first; and the result often is a distinct saving because plan ought always to precede construction. By this is meant planning in its best sense—the skeleton layout and the intensive planning to use every foot of space, adapting each area to its specific purpose; adjusting its size, its cost, its location, its light-

ing, its mechanical facilities to the specific function it is purposed to perform; giving no more or less than is necessary. Whereas the engineer plans with broad sweeps, like the artist working in charcoal, and his plans are very much like the artist's charcoal sketch—a mere blocking in, and then the building is built in this unstudied form. We speak of this as a general rule. There are exceptions. The great cotton warehouses and terminal, and the public grain elevator both in New Orleans and both engineering works, are among the most highly co-ordinated structures in that city. These buildings may be likened to well-designed machines, for they are that and nothing less—the ratio of areas to mechanical equipment, the relation of one area to another, all exhibit a correct balance that is architectural in its spirit.

These exceptions merely emphasize the rule, however; and on large projects, if engineers will but concede the special value of architects in the sphere of planning and form an association with competent men on large engineering projects of this kind, the final result will be a better piece of engineering. The old, mistaken idea that architects are good only to "make things look pretty" must be discarded. Above all else the modern architect is a planner and in this he can never be approached by men who are untrained in, and inexperienced in the problems and niceties that good planning involves.

We see here a better common ground

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for engineer and architect to meet upon than any other, and from such an understanding of each other's value there can develop nothing but mutual good to each profession, the furtherance of engineering, and the employment by architects of their special ability upon works that at first glance seem foreign to architecture but which in the light here shown proves itself to be simply a proper extension of the architect's work and a legitimate use of the architect by the engineer; just as the architect calls in the engineer to solve his own—the architect's—structural and mechanical problems.

The engineer is indispensable to the architect as a specialist in a field which the architect sensibly realizes is not his own except indirectly, and no less is the architect indispensable to the engineer in a field that, likewise, the engineer should realize is not his own except indirectly—the field of planning.

\* \* \*

**A**T the recent annual convention of The American Institute of Architects, held at Nashville, Tenn., probably the most interesting feature was the Post-War Committee on Architectural Practice. This very live committee is asking for opinions and seeking advice for architects throughout the country, to insure success of its efforts, to solve the questions vital not only to architects but to the world at large. "The individual," says the committee, "must appraise the value of the service he renders to his fellows, primarily through the measure by which the results achieved in the practice of his vocation are effective. Thus, as architects, we must ask ourselves these questions. Are we in right relations:

- I. With those whom we would serve—the public?
- II. With those with whom we would co-operate in the production of a building; with the engineering professions, the crafts, the industries and the trades organizations?
- III. With those who render the same service—our fellow architects, the students of architecture, the architectural schools, and, as professional men, with all those who render professional service?

The experience of the war has bared the weaknesses of long established methods of performance until institutions of every kind, hitherto thought to be effective, have been found wanting. The conditions affecting the

building arts, at this time, therefore not only suggest but demand, that they be given the same searching analysis that is being given to every human activity, in order to bring it into right relationship with the new world in which we are to live.

In order that we may get the facts on which to base a forward-looking program for our vocation, we ask every architect to co-operate with all his heart and soul, in the work of this committee. An outline of topics suggested from many sources is set forth with the idea of determining a direction along which lines of discussion should proceed. The committee assumes no responsibility for their validity in thus setting them forth, but wishes only to offer them as guides to discussion and investigation. What it does ask at the outset are hearty co-operation, candor of expression, self effacement and the avoidance of personalities. No matter what wrongs we may believe ourselves to have suffered at the hands of others we are now to turn the searchlight on ourselves—are we right?

Architects are already aroused to the necessity of co-operating with the committee and at a recent meeting of the Southern California Chapter of the American Institute of Architects the business of the evening was a discussion of architectural practice as it is being considered by the post-war committee of the Institute. The architects of the East have been considerably exercised by the lack of recognition accorded architects and the American Institute by the Government in the Federal building program during the war and the Post-War Committee is working to determine the cause and to secure suggestions for its correction from the various chapters. Mr. Bert L. Fenner, Executive Secretary of the Institute, was recently in California, on a tour of the country, and asked that the Western chapters consider the problem thoroughly under two divisions: "What is the matter with architectural practice?" and "Do the canons of ethics of the Institution need revision to be of more assistance to the architects?" The members of the Southern California Chapter are firmly of the opinion that the only way architects can secure better recognition is by rendering greater service. The most successful architect will be the one who renders the most efficient service. It was suggested that the architects should exercise particular care to see that plans and specifications were complete in every detail and not liable to misinterpretation. Also that the architects should pay closer attention to their work after the contracts

are let and assume a greater responsibility in the superintendence of the work.

Surely no profession today offers greater opportunity for service to mankind that does that of architecture. In the reconstruction of the world the architect must and will assume the place of first importance.

\* \* \*

#### DAWN OF A NEW ERA IN INDUSTRIAL ARTS FIELD.

A new era is dawning in the industrial arts field; war brought the opportunity. The war forced us to choose between aping Europe again now that the job over there is finished, or standing upon our own ability in the broad field of high class industrial art production and furnishing Europe from here. The schools must get to work in this serious business. The general schools must make their work in drawing useful; the schools for manual craftsmen must be busier and harder at work than ever; the schools for teaching designers have the greatest task for they must assure for us fine design for production on a large scale. And for this great work, which must be gotten under way immediately, our present schools are hopelessly insufficient in number and individually inadequate to the task. We have not a half dozen; we need a hundred even now.

Where are the great men who can see America's opportunities? Where are the educators that can lead and mould public opinion? Where are the long-headed manufacturers who have failed to regard schools as an asset yet who cry for designers now that Europe has called them back to defend the schools that trained them? Are there no giants among us who will insure the future of America in this field by acting at once? Let us have schools of industrial art, always more schools, and give them to us now!

RICHARD F. BACH,

\* \* \*

As a branch of the Own Your Home activities the salvaging of old houses is deemed important not only in its bearing on civic conditions, but in its power to arouse interest in new enterprises. In every community are old houses that have been permitted to run down until they have become eyesores. The big idea of one Kansas town was to salvage these houses by forming a fund with which to buy properties long neglected by owners and then to remodel the houses, making them modern and attractive in every respect. When fully restored the houses will be sold, thus one family obtains a home of which the city is proud and the whole community benefits.



## AMMORTIZATION WILL HELP THE BUILDING SITUATION

The Question of Loans Settled—Money Can Now Be Had—Build Now!

BY S. W. STRAUSS.

At the present time one hears much complaint about the unwillingness of financial interests to lend money for building projects. Among the various reasons put forward to account for the dullness in the building industry, has been that many lending institutions are not willing to make loans on real estate security. However much of truth there may be in such statements, no question has been raised as to the soundness of the real estate situation. Quite a number of lending organizations have declined to look with favor on building projects because of unstabilized conditions and the fact that higher prices prevail than existed heretofore. While building costs are higher now than they were before the war, materials used in this industry are low compared with the prices of food, clothing and commodities in general and there is no doubt in the minds of most men conversant with the situation, that we rapidly are reaching stabilized conditions.

During the four years prior to 1918 the average increase of wages in the construction industry in forty-one leading cities in the United States was 27.5 per cent., while the increase in commodities during the same period was 94 per cent. In addition to these basic facts no more direct recommendation of a specific class of loans ever was given official utterance than a statement given out recently by the United States Department of Labor, when, after investigation of the American realty market, it said:

"Investment in building always has been considered the safest for the individual."

Notwithstanding these conditions, there has been complaint from those engaged in the building industry that they could not secure adequate funds for carrying out their plans. Many of the large lending institutions, such as the insurance companies, trust companies, and savings banks have not been in a position where they could be of help in financing construction work due largely to the methods employed by them in making loans. It is gratifying to note that a widespread movement in mortgage reform has been inaugurated, however, and the situation should rapidly improve as a result of these remedial changes.

It is one of the lessons that should have been learned many years ago, but

it required the present readjustment period, with its manifold complications, to bring to light the defects of the old system and reveal the needs of radical mortgage reforms.

The situation may be briefly explained as follows: A great amount of capital available for building operations in former years is now tied up in Liberty Bonds. The life insurance companies have been drawn on very heavily as a result of the influenza epidemic which has necessitated the payment of an abnormal number of policies. The principal cause of the present lack of available funds at the hands of these organizations, however, is that they have been making loans without any adequate provision for their gradual reduction or amortization. That is, instead of loans being reduced by certain fixed amounts each year, they have been carried along from year to year with little, if any, payments on the principle. It is estimated that there are approximately \$10,000,000,000 in realty loans carried by all lenders on mortgage securities whether private or institutional, of which \$6,000,000,000 are held by savings banks, trust companies and insurance companies. The larger portion of these \$10,000,000,000 of securities based upon real estate in American cities and towns, carry no provision for gradual reduction. If these loans in the aggregate or to a great extent had been made on amortized mortgage security, there would be a vast sum of money flowing into the lending institutions each month which could immediately be applied in financing new projects.

It is in the widespread adoption of the principles of amortization in realty loans that the present reform movement consist and it is because of this fact that one is justified in making this statement that the amount of money available hereafter for building projects will be continually more plentiful as a result.

In applying these principles it must be remembered that a loan can not be amortized unless the property itself produces sufficient income so that the debt or a large part of it must be paid out of the income from the property. This is the only fair and scientific arrangement. There is no reason why the income from buildings should be diverted to other purposes, thus depriv-

ing the building industry of its own natural fruits.

With the application of amortization, the income from building goes toward the erection of other structures, thus creating a natural growth and upbuilding; thrift with both borrower and lender is promoted and the entire industry is stabilized because of the fact that its development is based on scientific principles. The general adoption of amortization will hurt the speculator—"the mushroom" promoter—but all worthy and legitimate building operations will be benefited.

That it rapidly is becoming accepted as the ideal method of making loans was shown recently when a canvas revealed that all but 18 per cent. of the leading financial institutions of the country were in favor of the application of the principles of amortization to the loans made by them.

Through the device of bond issues secured by a first mortgage on real estate the situation can be still further benefited, because bonds of this kind divided into popular denominations will furnish a medium by which the general investing public can give that degree of financial support to the building industry which is now so badly needed. The public long has financed railroads, public utilities and industrial corporations, but the realty market has very largely depended for its financial support on the large lending corporations. Since the greater part of building requirements consist of large projects running, in many instances, into hundreds and thousands of dollars, it would not be possible for the public to give any great amount of help to such financial tasks unless the mortgages on these constructions are made in the form of bond issues divided so that the individual investor can participate in them.

Thus the mortgage reform movement now going on will mean a great stimulation to the building operations of this country, although the financing of a very great percentage of all building operations of the future must be made with bond issues in order that the public may give its support to them.

Experience is teaching the popular investor the safety and desirability of these securities. Our Liberty Loan issues and our general practices of wartime thrift have created a tremendous new investing power in this country. The building industries are entitled to a full share of the support of this element and such support will contribute to the upbuilding of our American cities, afford the best possible outlet for the savings of our people and go far toward the encouragement of thrift among our people. National Builder



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Bank (add.)**, Front and Norris streets, Philadelphia. Architects, William Steele & Sons Co., Sixteenth and Arch streets, Philadelphia. Owners, Industrial Trust, Title & Savings Co., John G. Garruth, president, 1950 North Front street, Philadelphia. Marble, stone and brick. Plans in progress. Too early for details.

**Store and Dwelling**, Northeast Corner Eleventh and Bainbridge streets, \$5,000. Architect, private plans. Owner, Rachael Cohen, on premises. Brick, 3 stories, 18x20½ feet, 13x24 feet, slag roof, steam heating, electric lighting. Owner will build.

**Stores (4) and Apartments (alts.)**, Southeast Corner Broad and Wharton streets. Architect, Frank V. Nickels, 4400 Manayung avenue, Philadelphia. Owner, John Reale, Tenth and Filbert streets, Philadelphia. Brick, mill construction, 4 stories, 24x47 feet, slag and slate roof, hardwood and yellow pine floors, electric lighting, tile and marble work, stone foundations, iron work. Owner taking bids. Thomas C. Trafford, 1613 Sansom street, and Frank Lucci, 1603 Ellsworth street, are figuring.

**Factory**, Westmoreland and Salmon streets, Philadelphia. Architect, Frederick J. Wurster, 6145 Webster street, Philadelphia. Owner, Monarch Mfg. Co., on premises. Brick, 1 story, 30x34 feet, slag roof, plank floors, electric lighting, rolled steel sash, iron work (heating reserved). Architect taking bids.

**Synagogue**, West Rittenhouse street, Germantown, Philadelphia. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, Cong. Chavas Chesed, West Rittenhouse street, Germantown. Stone, 2 stories, 33x109 feet, slag roof, concrete and pine floors, stone foundations, electric lighting, hollow metal skylights (heating reserved). Architect taking bids due May 24th. John M. Yardley, 1716 Sansom street; Hogg Const. Co., Denckla Building; Frank K. Stahl, 2713 North Park avenue; William C. Wright, 22 Harvey street, and Wills-Ludwick Co., 1708 Sansom street; W. O. Springer, 1624 Latimer street; Thos. C. Trafford, 1613 Sansom street; E. E. Hollenback, Inc., 1804 Brandywine street, and Monaghan & Losse, Inc., 3016 Chestnut street, are figuring.

**Garage and Dance Hall**, Fortieth and Ludlow streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Charles J. Coll, Thirty-eighth and Market streets, Philadelphia. Brick and stone, 2 stories, 60x100 feet, slag roof, stone foundations, steam heating, combination lighting, cement and maple floors, metal lath, mill work, dampproofing, gasoline storage system. Architect taking bids due May 26th. J. Sims Wilson Co., 1125 Brown street; F. A. Havens Co., 845 North Nineteenth street, and Monaghan & Losse, Inc., 3016 Chestnut street, are figuring.

**Dwellings (23)**, Daggett, Haddington and Jefferson streets, \$104,100. Architect, private

plans. Owners, John H. McClatchey, Land Title Building, Philadelphia. Brick, 3 stories, 16x32 feet, slag roof, hot water heating, electric lighting, tile and marble work, oak and pine floors. Owner will build.

**Store Building (alts.)**, 2064 Indiana avenue, Philadelphia. Architect, Frank V. Nickels, 4400 Manayung avenue, Philadelphia. Owner, Paone Brothers, on premises. Brick, 1 story add. 12x15½ feet, slag roof, yellow pine floors, electric lighting, tile work. Plans in progress.

**Factory (alts. and add.)**, 231 Race street, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, Montague & Spyle, 535 North Lawrence street, Philadelphia. Steel and heavy timber, 4 stories, reinforced concrete work, slag roof, plank floors, steam heat, electric light, electric elevator, rolled steel sash, steel rolling doors, fire tower, wire work. Owner will be ready for bids in a few days.

**Bank (alt. and add.)**, Kensington and Allegheny avenues, Philadelphia. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Kensington Trust Co., care of John W. Kommer, assistant secretary, chairman of Building Committee, on premises. Brick and reinforced concrete, 1 story, 50x75 feet, and 3 stories, 50x15 feet, stone foundations, steam heat, electric light, tile and marble work, (2) galvanized iron skylights, ornamental iron work, tile roof, composition, tile, cement and maple floors, hollow tile, metal lath, elevators, roof ventilators, metal weather strips (interior wood trim, painting, glazing, leaded glass, bank fixtures and partitions, heating, wiring, fixtures and elevator reserved). Architect taking bids due May 28th. F. A. Havens Co., 845 North Nineteenth street; Roydhouse-Arey Co., 112 North Broad street; F. Crompton & Bro., 4614 Oakland street, Frankford; H. H. Brocklehurst, 512 West Norris street; A. R. Raff Cont. Co., 1635 Thompson street; William H. Eddleman & Son, 453 Green Lane; William Steel & Sons Co., Sixteenth and Parkway; H. H. Wehmeyer, 509 West Cumberland street; J. Charles Yundt, Tabor road, Olney, Philadelphia; Barclay White Co., 1713 Sansom street; Robert E. Lamb Co., 843 North Nineteenth street; F. B. Davis, 240 North Sixteenth street; J. Sims Wilson Co., 1125 Brown street, and Stewart Bros., 2526 North Orkney street, are figuring.

**Residences (12)**, 7249-7271 Limekiln pike, Philadelphia. Architect, private plans. Owner, Joseph B. Eisele, 7265 Limekiln pike, Philadelphia. Stone and brick, 2 stories, 16x62 feet, oak floors, tile roof, stone foundations, hot water heat, electric light, tile work, enclosed porches. Owner will build and is taking sub-bids.

**Home Buildings (alt.)**, Church lane and Chew streets, Germantown. Architect, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Jewish Foster Home, on

premises. General alterations. Too early for detail. Plans in progress.

**Residence (alts.)**, Camac and Cheltenham avenue, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, B. Strauss, 6430 North Thirteenth street, Philadelphia. General interior alterations. Preliminary plans in progress.

**Synagogue (add.)**, Thirty-second and Morse streets, Philadelphia. Architects, Greisler & Abramson Co., Lafayette Building, Philadelphia. Owner, Cong. of Herem Israel, D. Goldstein, secretary, 5126 Fontain street, Philadelphia. Stone, 40x60 feet add., slate roof, hardwood floors, electric lighting, steam heating extensions, leaded glass, cabinet work. Architects are sub-letting.

**Dwellings (6)**, Cottage street, South of Wakeling street, \$18,000. Architect, private plans. Owner, Harry Stocks, 5005 Cottage street, Philadelphia. Brick, 2 stories, 14½x22 feet, 11½x12 feet, slag roof, hot air heating. Owner will build.

**Dwellings (6)**, Bleigh street and Rising Sun avenue, \$18,000. Architect, private plans. Owner, William F. Koelle, Twenty-sixth and Oxford streets, Philadelphia. Brick, 2 stories, 15x41½ feet, slag roof, hot water heating. Owners will build.

**Street Sewer**, Baker street, Frankford Arsenal, Philadelphia. Architect, private plans. Owner, United States Government, Frankford Arsenal, Philadelphia. Concrete and stone, 265 feet long, wood pile foundations, reinforcing steel, iron ladders. Owners taking bids due May 24th at noon. William Steel & Sons Co., Sixteenth and Parkway; George E. Cantrell, Inc., Real Estate Trust Building; W. W. Anstine Co., 1218 Filbert street; Fred T. Buckius, Jr., Kensington avenue and Deal street, and D. H. Kyle, 727 East Cheltenham avenue, are figuring.

**Buildings (8)**, Manayunk, North Philadelphia, Germantown, West Philadelphia, South Philadelphia, (2) Darby, and North Central Philadelphia, \$124,700. Architect, not yet selected. Owner, Salvation Army, Broad and Fairmount avenue, Philadelphia. Work contemplated.

**Manufacturing Building**, Southeast Corner Fifteenth and Mt. Vernon streets. Architect, Le Roy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, J. C. Kahn, Morris Building, Philadelphia. Concrete and steel, 7 stories, 100x142 feet, slag roof, cement floors, stone and concrete foundations, steam heat, electric light, marble work, rolled steel sash, hollow metal skylights, roof ventilators, (2) elevators, pumps and sprinklers. Plans about completed. Architect will take bids in a few days.

**Hotel (Women's)**, Fairmount avenue, below Broad street, \$250,000. Architect, not yet selected. Owner, Salvation Army, care of Colonel Richard E. Holz, Provincial Officer, Broad and Fairmount avenue, Philadelphia.



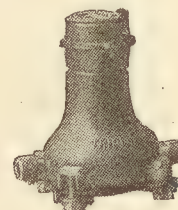
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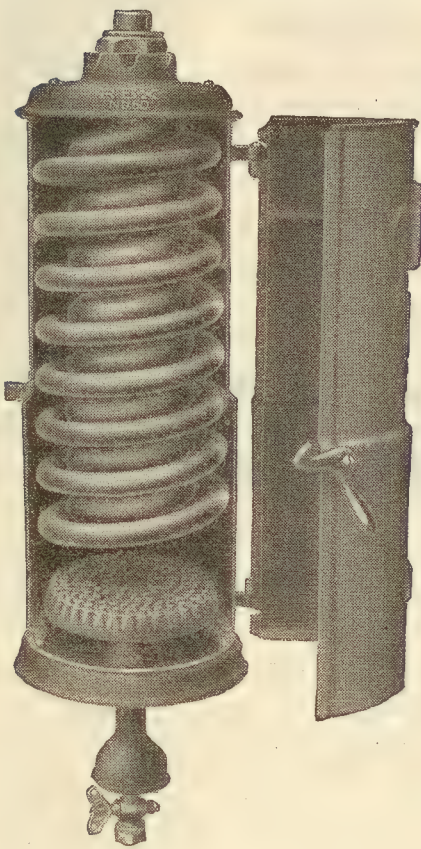
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**Hotel** (Men's), Eighth and Vine streets, Philadelphia, \$210,000. Architect, not selected. Owner, Salvation Army, care of Colonel R. E. Holz, Provincial Officer, Broad and Fairmount avenue. Limestone, brick, steel, fireproof, electric lighting, steam heat. Work contemplated.

**Residence** (alt. and add.), 1534 Point Breeze avenue, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, Morris Cohen, on premises. Brick, 2 stories, 17x34 feet, slag roof, hot air heat, electric light, plastering, mill work. Architect taking bids due May 22d. Ketcham & McQuade, 1029 Brown street, are figuring.

**Barracks** (extension), Frankford Arsenal, Philadelphia. Architect, private plans. Owner, United States Government, Frankford Arsenal, Philadelphia. Brick, 2 stories, 25x32 feet, slate roof, cement and yellow pine floors, concrete foundations, hot water heat, electric light, waterproofing, iron work, screens. Lowest bid submitted by Monaghan & Losse, Inc., 3016 Chestnut street, Philadelphia.

**Store and Storage Building** (alts.), 543-49 East Cambria street, \$5,000. Architect, private plans. Owner, Siezfrend & Fuld, on premises. Brick, 3 story add. 16x18 feet, slag roof, electric light. Owners will build.

**Dye House**, Emerald and York streets, Philadelphia. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owner, Firth & Woster, on premises. Brick and hollow tile, 1 story, 64x68 feet, slag roof, plank floors, hollow tile, hollow metal skylights, concrete foundation, iron work (heating, electric lighting and plumbing reserved). Architect taking bids due May 26th at noon. John



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R. Wiggins, Otis Building; Wark & Co., 1737 Filbert street; P. Haibach Cont. Co., Twenty-sixth and Thompson streets; J. Sims Wilson Co., 1125 Brown street; William R. Dougherty, 1610 Sansom street; A. R. Raff Const. Co., 1635 Thompson street; Ketcham & McQuade, 1029 Brown street, and H. E. Baton, 1713 Sansom street, are figuring.

**Building** (alts.), Southwest Corner Fifteenth and Market streets Philadelphia. Architects, Stewardson & Page, 316 Walnut street, Philadelphia. Owner, Harrison Building, Fifteenth and Market streets, Philadelphia. Stone and terra cotta, mill work, changing windows, etc., plastering (heating, plumbing and electric work reserved). Architects have received bids

**Apartments and Garage**, 3501 Powelton avenue, \$25,000. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Louis Magaziner, 603 Chestnut street, Philadelphia. Brick and stone. Plans in progress. Too early for details.

**Residence**, Seventh and Cheltenham avenue, Philadelphia. Architect, Alex. M. Adams, 1012 Walnut street, Philadelphia. Owner, W. J. Collins, Jr., Twelfth and Glenwood avenue, Philadelphia. Stone, 2½ stories, 31x44 feet, wing 13x15 feet, slate roof, oak floors, electric light, tile and marble work, stone foundations (heating and fixtures reserved. Owner taking bids, due May 23rd. C. E. Lloyd, Oak Lane, and F. E. Wallace, 1220 Chancellor street, are figuring.

**Moving Picture Theatre**, 2113-15-17-19 Germantown avenue. Architect, Wm. H. Wooters, 816 Allegheny avenue, Philadelphia. Owners, George W. Stewart & Co., on premises. Brick and terra cotta, 1 story, 70x125 feet, slag roof, cement floors, ornamental plastering, stone foundations, steam heat, electric light,

tile and marble work, fire doors, roof ventilators. Owner is taking bids.

**Stores and Apartments** (2), Central Philadelphia. Architect, J. E. Fieldstein, Penfield Building, Philadelphia. Brick, 4 stories, 22x110 feet, 2 stories, 18x110 feet, slag roof, steam heat, electric light, tile and marble work. Plans in progress.

**Synagogue**, Broad and Courtland streets, Philadelphia. Architect, J. E. Fieldstein, Penfield Building, Philadelphia. Owners, Beth Shalom Congregation, care of architect. Brick and stone, 80x110 feet, slag roof, steam heating, electric lighting. Plans completed. Will be ready for bids in a week.

**Factory**, Wissinoming, Philadelphia. Architect, David B. Bassett, Perry Building, Philadelphia. Owners, Quaker City Rubber Co., Chas. A. Daniel, 629 Market street. Brick and reinforced concrete, 2 stories, 160x140 feet, slag roof, cement and wood floors, hollow tile, metal lath, elevators, metal window guards, concrete foundations, steam heat, electric light, slate work, rolled steel sash and skylights, kalamein doors, iron stairs. Architect taking bids, due May 28th. Barelay White Co., 1713 Sansom street; Cramp & Co., Denckla Building; Turner Const. Co., 1713 Sansom st.; Wark & Co., 1737 Filbert street, and F. L. Hoover & Son, 1023 Cherry street, are figuring.

**Residence** (alts. and add.), 38 Summitt st., Chestnut Hill. Architect, R. B. Okie, 1420 Chestnut street, Philadelphia. Owner, I. Wistar Morris, on premises. Stone, 2½ stories, 25x35 feet, shingle roof, oak and pine floors, stone foundation, marble work, iron work, cut stone, mill work, plastering, hardware (plumbing, heating and electric work reserved). Architect taking bids, due May 26th. Wm. R. Dougherty, 1610 Sansom street;



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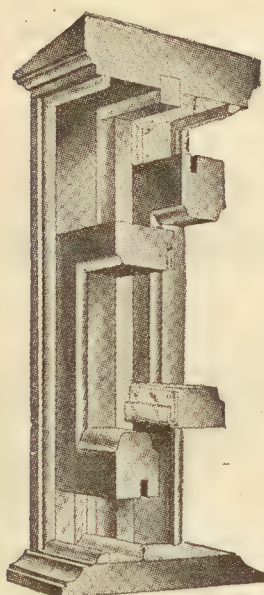
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R. C. Ballinger Co., 218 North Thirteenth st.; F. B. Davis, 240 North Sixteenth street; Wills-Ludwick Co., 1708 Sansom street, and Chas. Gilpin, Harrison Building, are figuring.

**Elevated Stations (4)**, Allegheny avenue and Somerset street. Architect, Department of City Transit, Mershon Building, Philadelphia. Owners, City of Philadelphia, care of Wm. S. Twining, Mershon Building, Philadelphia. Brick, steel and reinforced concrete, terra cotta, etc. Owner taking bids, due May 29th at noon. Former plans revised. Statement of quantities of material and work will be issued with plans and specifications.

**Dwellings (4)**, Lincoln Drive and Drinker street, \$30,000. Architect, private plans. Owner, John McClatchey, 848 Land Title Building, Philadelphia. Brick, 2 stories, 16x48

feet and 2½ stories, 27x35 feet, slate roof, hot water heating, electric lighting, tile and marble work, oak floors, cement work. Owner will build.

**Dwellings (27) and (1) Garage**, Tenth st., Loudon and Wyoming avenue, \$141,400. Architect, private plans. Owner, Isaac J. Miller, 1926 S. Colorado street, Philadelphia. Brick, 3 stories, 16½x53 feet, and 2 stories, 15½x33 feet, 12½x19 feet, slag roof, hot water heating, electric lighting, tile and marble work, oak floors. Owner will build.

**Garage**, Frankford, Philadelphia. Architect, J. Ethan Fieldstein, Penfield Building, Philadelphia. Owner's name withheld. Brick, 1 story, 12x41 feet, slag roof, cement floors. Plans in progress.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Factory (alt. and add.)**, Twentieth and Indiana avenue, Philadelphia. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owner, Wright Roller Bearing Co., on premises. Brick, 2 stories, 27x61 feet, slag roof, cement floors, rolled steel sash, steel doors, concrete foundations, iron work (electric wiring reserved). Contract awarded to John R. Wiggins Co., Otis Building, Philadelphia.

**Factory**, Tioga and C streets, Philadelphia. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Baxter, Kelley & Faust, on premises. Brick, 4 stories, 172x56 feet, slag roof, cement floors, terra cotta, concrete foundations, rolled steel sash, fire doors, steel and iron work (heating and lighting reserved). Contract awarded to H. H. Burrell, 206 South Quince street, Philadelphia.

**Church**, Second and Lippincott streets, Philadelphia, \$58,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owner, Palchorp Memorial Presbyterian Church, Second and Clearfield streets, Philadelphia. Stone, 1 and 2 stories, 59x104 feet, slate roof, steam heating, electric lighting, tile and mar-

ble work, oak floors. Architect will superintend construction.

**Dwellings (6)**, Sixtieth and Nassau streets, Philadelphia, \$41,000. Architect, private plans. Owner, C. W. Ferguson, 5913 Walton avenue, Philadelphia. Brick, 2 stories, 17½x48 feet, 22½x31 feet and 16x31 feet, 12 feet, 15 feet, slag roof, hot water heating, electric lighting, hot water heating, tile work, oak floors. Owner will build.

**Residence**, West side of Benn Grass road, North of Grant avenue, \$6,300. Architect, private plans. Owner, John Bromske, Bustleton, Pa. Frame, 3 stories, 28x30 feet, single roof, hot water heating, electric lighting, tile work, oak floors. Contract awarded to C. H. Weiss, 9512 Bustleton avenue.

**Garage**, 912 Wynnwood road, Philadelphia, \$1,100. Architect, private plans. Owner, H. B. Lockwood, on premises. Stone, 1 story, 15x22 feet, slag roof, stone foundation, hot water heat, electric light, cement floors. Contract awarded to George H. Evans Co., 45 North Thirteenth street, Philadelphia.

**Garage**, 6390 Drexel road, Philadelphia.

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Pennsylvania Building, Phila.

Architect, private plans. Owner, C. A. Barres, 6235 Christian street, Philadelphia. Brick, 1 story, 21½x24½ feet, slag roof, cement floor, electric lighting. Contract awarded to J. Sims Wilson Co., 1125 Brown street, Philadelphia.

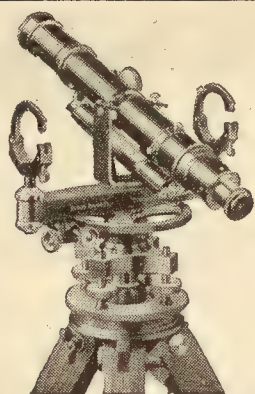
**Boiler House (alts.)**, Ninth and Westmoreland streets, Philadelphia. Architect, Walter Kidde Co., 140 Cedar street, New York City. Owner, Surpass Leather Co., Westmoreland and Ninth streets. Brick, 1 story, 50x70 feet, slate roof, rolled steel sash, iron work. Contract awarded to George Kessler Cont. Co., Drexel Building, Philadelphia.

**Stores and Dwellings (2)**, 5529-31 North Fifth street, \$10,000. Architect, private plans. Owner, Aaron Levin, 1622 Point Breeze avenue, Philadelphia. Brick, 2 stories, 15x45 feet, 12x25 feet, slag roof, hot water heating, electric lighting, plumbing, hardwood and pine floors. Contract awarded to Morris Levin, 1622 Point Breeze avenue.

**Dwelling**, Fairhill and Cheltenham avenue, \$8,000. Architect, private plans. Owner, Henry C. Robinson, on premises. Stone, 2 stories, 25x39 feet, slate roof, hot air heating, electric lighting, tile and marble work, oak floors. Contract awarded to C. E. Lloyd, Jr., 6600 North Eighth street, Philadelphia.

**Dwellings (8)**, 2513-27 Edgemont street, \$12,500. Architect, private plans. Owner, C. E. Drehmann, 2828 Girard avenue, Philadelphia. Brick, 2 stories, 16x24 feet 9 inches x19 feet and 14x49 feet 9 inches x24 feet, slag roof, hot air heating, pine floors. Contract awarded to J. C. H. Danehl, 2622 Parrish street.

**Residence**, Overbrook, Philadelphia. Architect, Frank Seeburger, Weightman Building, Philadelphia. Owner, James D. C. Henderson, 20 South Front street, Philadelphia. Stone and brick, 2½ stories, 32x94 feet, garage,



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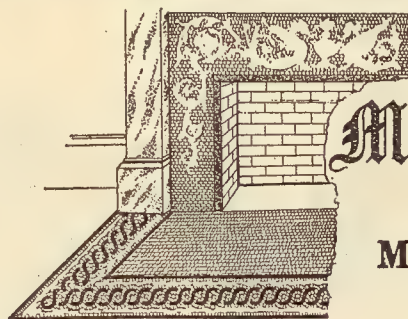
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2 stories, 23x39 feet, slate roof, oak and pine floors, cement floors, tile work, stone foundations (heating, plumbing, fixtures, weather strips, screens and papering reserved). Contract awarded to Milton W. Young, Overbrook, Philadelphia.

**Factory**, Twenty-third and Sedgley avenue, Philadelphia. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, Tasty Baking Co., on premises. Brick and terra cotta, 2 stories, 28x100 feet, wing 23x32 feet, slag roof, pine floors, stone foundations (heating, lighting and elevator reserved), rolled steel skylights, fire doors, metal lath. Contract awarded to John M. Yardley, 1716 Sansom street, Philadelphia.

**Factory**, Church lane, East of Lena street, \$56,000. Architect, private plans. Owner, Hammill Spinning Co., on premises. Brick, 2 stories, 43x176 feet, slag roof, steam heating, electric lighting, pine and cement floors. Contract awarded to R. M. Peterson, 5114 Germantown avenue.

**Stores and Dwellings (7)**, 427-29-31-33-35-45-47 South Sixtieth street, \$19,600. Architect, private plans. Owner, Max B. Willig, Lincoln Building, Philadelphia. Brick, 2 stories, add. 9x14½ feet, slag roof, hot water heat. Contract awarded to M. Kirschner, 421 Snyder avenue, Philadelphia.

**Sales Service Building**, 1408-10 N. Broad street, Philadelphia. Architect, Le Roy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, Joseph J. Greenberg, Morris Building, Philadelphia. Concrete and steel, 2 stories, 62x200 feet, slag roof, cement floors, steam heat, electric light, tile and cement floors, hollow metal sash and skylights. Contract awarded to Wark & Co., 1737 Filbert street.

**Manufacturing Building (alts. and add.)**, American and Willow streets, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, C. J. Matthews & Co., on premises. Steel work, slag roof, 21x82 feet, hollow metal skylights (heat-

ing, electric work reserved). Contract awarded to F. B. Davis, 240 North Sixteenth street, Philadelphia.

**Residence**, Green Hill Farms, Overbrook, Philadelphia. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, Morris Estate, care of Morris Wood, Sixty-fourth and City Line. Stone, 2½ stories, 29x50 feet, 17x20 feet, slate roof, oak floors, hot water heat, electric lighting, tile and marble work. Contract awarded to Alfred James, Bala, Pa.

**Store Building, fire repairs**, 1207-09 Chestnut street, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Oppenheim & Collins Co., Harrison K. Caner, Fourth and Arch streets. Brick and hollow tile, 7 stories, slag roof, pine floors, hollow tile, elevators, electric light, steel and iron work, millwork, plastering, heating renovation, painting, slate work. Contract awarded to John R. Wiggins Co., Otis Building, Philadelphia.

**Factory Building (alts.)**, southwest corner of Thirteenth and Buttonwood streets, \$3,000. Architect, private plans. Owner, Joseph Hoover, on premises. Mansard, fourth floor, 15x40 feet. Contract awarded to F. L. Hoover & Sons, 1023 Cherry street.

**Garage**, Kater street, west of Alder street, \$4,000. Architect, private plans. Owner, H. S. Soslovitz, 136 Chestnut street, Philadelphia. Brick, 1 story, 32x61 feet, slag roof, electric lighting, cement work. Contract awarded to E. R. Hall, 34 South Seventeenth street, Philadelphia.

**Factory**, 3360 Frankford avenue, Philadelphia. Architect, J. Frank Clark, 4253 Griscom street, Philadelphia. Owner's name withheld. Brick and concrete, 2 stories, 50x300 feet, slag roof, pine and maple floor, rolled steel sash, stone foundations (heat, light and plumbing reserved). Lowest bidder, Robbins Cont. Co., Lafayette Building, Philadelphia. Contract will be awarded in about two weeks.

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### PENNSYLVANIA Construction News

**Residence**, Cynwyd, Pa. Architect, J. Fletcher Street, 129 South Fifth street, Philadelphia. Owner, George A. Beatty, Jr., care of architect. Stone and plaster, 2 stories, 33x28 feet, wing 10x15 feet, shingle roof, oak and pine floors, hollow tile, stone foundations, hot water heat, electric light, tile and marble work. Revised plans in progress.

**Community Building**, Hamburg, Pa. Architects, Horace W. Castor, Stephen Girard Building, Philadelphia. Owner, State of Pennsylvania, Department of Health, Harrisburg, Pa. Frame and stucco, 1 and 2 stories. Owners taking bids, due May 24th. H. E. Baton, 1713 Sansom street; J. Sims Wilson Co., 1125 Brown street; Ketcham & McQuade, 1029 Brown street; F. A. Havens Co., 845 North Nineteenth street; William Steele & Sons Co., Sixteenth and Parkway; Wills-Ludwick Co., 1708 Sansom street, Philadelphia; Central Const. Co., Harrisburg, Pa.; Beard Const. Co., Reading, Pa.; Butz & Clader, Allentown, Pa., and Connors Brothers, 64 West Eighty-eighth street, New York City, additional bidders.

**Sanitarium Buildings**, near Cresson, Pa. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owner, State of Pennsylvania, Department of Health, Harrisburg, Pa. Frame, stucco and stone, 1 story. Owners taking bids, due May 24th. H. E. Baton, 1713 Sansom street; Ketcham & McQuade, 1029 Brown street; F. A. Havens Co., 845 North Nineteenth street; William Steele & Sons Co., Sixteenth and Parkway; Wills-Ludwick Co., 1708 Sansom street; Central Const. Co., Harrisburg, Pa., and Connors Brothers Co., 64 West Eighty-eighth street, New York City, additional bidders.

**State Sanitarium**, Mont Alto, Pa. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, State of Pennsylvania, Department of Health, Harrisburg, Pa. Frame, asbestos, shingle and concrete, 1 and 2 stories. Owners taking bids, due May 24th. H. E. Baton, 1713 Sansom street; F. A. Havens Co., 845 North Nineteenth street; William Steele & Sons Co., Sixteenth and Parkway; Wills-Ludwick Co., 1708 Sansom street; Central Const. Co., Harrisburg, Pa., and Connors Brothers Co., 64 West Eighty-eighth street, New York City, additional bidders.

**Fire House and Hall Building**, Rutledge, Pa. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, Borough of Rutledge, Rutledge, Pa. Stone, mill work and ornamental iron work. Architect is sub-letting contracts.

**Residence**, Merion, Pa., \$20,000. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, Nevin Carson, care of E. J. Hedden, Finance Building, Philadelphia. Brick and stucco and DeLac Tile, 2½ stories, 30x58 feet, shingle roof, hot water heat, electric light, tile and marble work, oak floors. Architect will be ready for bids in two weeks.

**Stable (add.)**, Norristown, Pa. Architect, Harry Gordon McMurtrie, 1012 Walnut street,

Philadelphia. Owner, Montgomery Riding Academy, Norristown, Pa. Frame, 1 story, riding ring, inside measurement, 53x95 feet, stable wing 30x75 feet, office wing 20x40 feet, shingle roof, wood floors, electric light, plumbing. Architect taking bids due May 21st. George L. Croll, Eagleville, Pa.; Frank R. Heavner, Norristown, Pa.; H. P. Friend, Norristown, Pa., and Charles F. Whitman, Schwenkville, Pa., are figuring.

**Bungalow**, Elkins Park, Pa. Architect, Andrew J. Sauer, 908 Chestnut street, Philadelphia. Owner, Gustave A. F. Gentzsch, Elkins Park, Pa. Hollow tile and stucco, 1½ stories, 20x60 feet, wing 12x14 feet, shingle roof, yellow pine floors, vapor vacuum heating, electric lighting, tile work (lighting fixtures reserved). Architect taking bids due May 23d. F. B. Davis, 240 North Sixteenth street; Specht & Sperry, Heed Building; Bowden Const. Co., 1713 Sansom street; J. E. Kearney, 327 North Sixty-third street, and W. John Stevens, Inc., Wyncote, Pa., are figuring.

**Residence**, Springfield, Delaware County, Pa. Architects, Duhring & Ziegler, Stephen Girard Building, Philadelphia. Owner, J. W. Powell, care of architects. Frame (wide clapboard), 2½ stories, 30x50 feet, shingle roof, stone foundation, hot air heat, electric light, tile and marble work, oak floors. Architects taking bids. J. Howard Roberts, Lansdowne, Pa.; W. Percival Johnson, 4039 Lancaster avenue; F. B. Davis, 240 North Sixteenth street; R. C. Ballinger & Co., 218 North Thirteenth street, and A. L. Fretz, Heed Building, are figuring.

**Residence**, Drexel Hill, Pa. Architect, private plans. Owner, Mrs. G. Walter Preston, Parper and Huey avenue, Drexel Hill. Stone, 2 stories, 43x49 feet, slate roof, oak and parquet floors, stone foundations, hot water heat, electric light, tile work, iron work. Owner has received bids.

**Residence (alts. and add.)**, Cedar road, near Elkins Park, Pa. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, W. A. Longshore, care of architect. Stone, 3 stories, general alterations and additions, hot water heating, electric lighting, tile and marble work, (4) bathrooms, plumbing, oak floors, painting. Architect taking bids due as soon as possible. J. Sims Wilson Co., 1125 Brown street; A. R. Raff Cont. Co., 1635 Thompson street, and E. Allen Reeves, Ambler, Pa., are figuring.

**Residence**, Sunbury, Pa. Architect, W. H. Lee, Dime Savings Bank Building, Shamokin, Pa. Owner, Mr. Ed. Rohrback, Sunbury, Pa. Brick, 2 stories, 35x45 feet, concrete foundations, tile roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

**Duplex Building**, Washington avenue, Scranton, Pa., \$10,000. Architect, E. H. Davy, Coal Exchange Building, Scranton Pa. Owner, S. M. Snook, 1500 Capouse street, Scranton, Pa. Frame, 2 stories, 30x48 feet, concrete founda-

tions, shingle roof, steam heat, electric light, pine floors, tile work. Owner will take sub-bids.

**Church**, Plymouth, Pa., \$60,000. Architects, Morris & McHale, Burr Building, Scranton, Pa. Owner, St. Mary's Church, care of Rev. S. A. Drew, on premises. Stone and concrete, 1 story and basement, 50x125 feet, asbestos roof, vapor vacuum heat, electric light, fire-proof floors, metal lath, marble and terrazzo work. Architect taking bids due May 27th.

**Store and Office**, Hazelton, Pa. Architect, George Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, name withheld. Brick, 2 stories, 25x100 feet, slag roof, electric light, steam heat, pine floors, tile and marble work, rolled steel sash, roof ventilators. Plans in progress.

**Office Building**, Hazelton, Pa., \$25,000. Architect, George Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, name withheld. Brick, 3 stories, 25x75 feet, slag roof, steam heat, electric light, pine floors, tile and marble work, roof ventilators. Plans in progress.

**Apartment (6 family)**, Carbondale, Pa., \$12,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, M. Yerkes, Pike street, Carbondale, Pa. Brick, 3 stories and basement, 36x74 feet, slag roof, hardwood floors, electric light. Plans in progress.

**Church**, Gouldsborough, Pa., \$5,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Rev. D. J. Kane, Moccow, Pa. Frame, 1 story, 30x64 feet, asbestos roof, pine floors, electric light. Plans in progress.

**Garage**, Montrose. Architect, Edward Longley, Scranton Life Insurance Building, Scranton, Pa. Owner, Glen L. Voss, Montrose, Pa. Brick and stone, 1 story, 60x74 feet, stone foundations, slag roof, concrete floors, electric light, rolled steel sash. Plans in progress. Architect will take bids in two weeks.

**Church (add.)**, Hazelton, Pa. Architect, A. J. Praivdzik, Scranton Life Insurance Building, Scranton, Pa. Owner, Father A. Novak, Carson and Ith streets, Hazelton, Pa. Frame, 1 story and basement, 50x50 feet, slate roof, wood floors, electric light, cement floors, tile, marble and terrazzo work, roll steel sash. Owner will take bids in two weeks.

**Apartment and Garage**, Washington ave. Scranton, Pa. Architect, L. J. Reisman, Miller Building, Scranton, Pa. Owner, M. Mintz, 520 South Washington street, Scranton Pa. Brick, 3 stories, 54x42 feet, stone foundations, slag roof, hardwood floors, steam heat, electric and gas light. Architect will take bids due June 1st.

**Storage House**, South Cary street, Wilkes-Barre, Pa., \$15,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Maloney Oil & Manufacturing Co., on premises. Hollow tile, concrete and brick, 1 story and basement, 36x76 feet, concrete floors, driveway, concrete or asphalt, rolled steel sash. Architect will take bids in one week.

**School**, Borough of Miners Mills, Pa. Architect, Austin L. Reilly, Bennett Building, Wilkes-Barre, Pa. Owner, Miners Mills Borough School District, Miners Mills, Pa. Brick, 2 stories, 106 feet 8 inches x 73 feet 10



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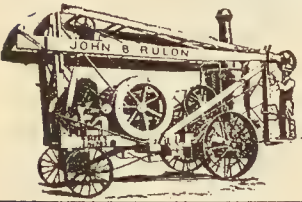
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inches, stone foundations, pine and concrete floors, electric light, marble work, rolled steel skylights, composition roof, cement and concrete work, window screens. Architect taking bids.

**Hotel to Store and Apartment**, Washington street, Wilkes-Barre, Pa. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, G. Weaver Estate, Wilkes-Barre, Pa. Brick, 3 stories, hardwood floors, tile and marble work, general interior alterations, fire escapes. Owner taking bids due May 22d.

**Fire Station**, New Cumberland, Pa. Architect, private plans. Owner, United States Government, care of R. S. George, Administration Office, United States Army Reserve Depot, New Cumberland, Pa. Tile, 2 stories. Plans and specifications may be secured from R. H. George, Administration Office, United States Army Reserve Depot.

**Memorial Hospital**, East Third street, Williamsport, Pa., \$150,000. Architect, F. A. Rianhard, Masonic Temple, Williamsport, Pa. Owner, care of architect. Brick, stone and fireproof terra cotta, 3 stories and basement, irregular size, steam heat, electric and gas light, tile, marble and terrazzo work, elevators, roof ventilators. Plans in progress.

**School (repairs)**, Newport Township, Pa., \$15,000. Architect, R. M. Herr, Simon Long Building. Owner, Newport Township, Wilkes-Barre, Pa., School District. Retaining walls, concrete sidewalks, interior work, iron fences, grading. Plans in progress. Owners will take bids in three weeks.

**Residence (alt. and add.)**, Dalton, Pa., \$15,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, J. J. Casey, on premises. Frame, 3 stories, 40x60 feet, colored slate roof, parquet floors, fireplaces, tile and marble work, interior alterations, porch, papering, painting and decorating. Architect taking sub-bids.

**Residence**, 1639 Monroe avenue, Dunmore, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, M. J. Murray Estate, on premises. Frame, interior alterations, parquet floors, electric light, tile and marble work. Architect taking bids due May 29th.

**Residences (2)**, Drexel Hill, Pa. Architects, MacKenzie & Wiley, Liberty Building, Philadelphia. Owner, H. W. Rickabaugh, 5313 Girard avenue, Philadelphia. Stone and hollow tile; 2½ stories, 23x40 feet, slate roof, oak floors, hot water heating, electric lighting, tile work. Owner will take sub-bids in a week.

**Warehouse and Garage**, Ogontz, Pa. Architect, F. Ferdinand Durang, 1225 Locust

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street, Philadelphia. Owner, Commissioners of Cheltenham Township, Ogontz, Pa. Brick, 1 story, 30x84 feet, slag roof, stone foundations, concrete floors, electric lighting, roof ventilators, structural steel and iron work. Architect taking bids. William R. Dougherty, 1610 Sansom street; John McShain, 1610 North street, and Rogers Atkinson, Builders' Exchange, are figuring. (Plans may be secured from architect.)

**Power House**, Carlisle, Pa. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owner, E. C. Beeten & Sons, Carlisle, Pa. Brick and terra cotta, 1 story, 46x46 feet, slag roof, concrete foundations, fire doors, steel sash, iron work. Architect taking bids due May 26th at 10 A. M. H. H. Burrell, 206 South Quince street; Roydhouse-Arey Co., 112 North Broad street; F. A. Havens Co., 845 North Nineteenth street; H. E. Baton, 1713 Sansom street; Wills-Ludwick Co., 1708 Sansom street; Hughes-Foulkrod Co., Commonwealth Building, Philadelphia; C. O. Copenhaver, Harrisburg, Pa.; Hemminge Brothers, James Porter, and Harry A. Lackey, all of Carlisle, Pa., are figuring.

**Residence and Garage**, Coatesville, Pa. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, A. F. Huston, Graystone, Coatesville, Pa. Stone, hollow tile and plaster, 2½ stories, 30x113 feet, garage, 2 stories, 25x70 feet, slate roof, oak and cement floors, stone foundations, hot air heat, electric light, tile and marble work. Plans in progress. Will take bids in one week.

**Residence and Garage**, Latham Park, Pa.

Architect, Conrad F. Neff, Otis Building, Philadelphia. Owner, John G. Williamson, Ogontz, Pa. Stone, 2½ stories, 70x35 feet, and 2 stories, 33x23 feet, slate roof, cement and oak floors, hollow tile, stone foundations, tile and marble work, dampproofing, iron work (electric work, heating and plumbing reserved). Architect taking bids due June 2nd. A. L. Fretz & Son, Heed Building; William J. Gruhler Co., 219 East High street; P. Haibach Cont. Co., Twenty-sixth and Thompson streets, are figuring.

**Residence (alts. and add.)**, Wynnewood, Pa. Architect, William H. Wooters, 816 Allegheny avenue, Philadelphia. Owner, F. B. Carrigan, care of architect. New bath room, slag roof, electric work, heating extension, changing doors, pine floors. H. P. Werner, 3240 Germantown avenue, is taking sub-bids due June 2nd.

**School**, Downingtown, Pa. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, Friends' School, care of J. G. McIlvaine, Fifty-eighth and Woodland avenue, Philadelphia, Pa. Frame, 1 story, 38x40 feet, slate roof, stone foundations, hot water heat, electric light, wood floors. Owner will build.

**Residence**, Kennett Square, Pa. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, John H. Voorhees, Kennett Square, Pa. Stone, 2½ stories, 30x43 feet, shingle roof, oak floors, stone foundations, hot water heat, electric light, tile work. H. W. Worrell, Kennett Square, Pa., taking sub-bids.

## PENNSYLVANIA

### Contracts Awarded

**Factory and Power House**, Milton, Pa., \$400,000. Architect, private plans. Owner, Susquehanna Silk Mills, Milton, Pa. Reinforced concrete and brick, 3 and 1 stories, 100x400 feet and 50x100 feet, slag roof, maple floors, concrete foundations, steam heat, electric light, rolled steel sash. Contract awarded to Turner Const. Co., 1713 Sansom street, Philadelphia.

**Factory**, North Third street, Williamsport, Pa. Architect, A. F. Rianhart, Masonic Temple, Williamsport, Pa. Owner, J. K. Rishel Co., on premises. Brick, 5 stories, 85x185

feet, electric light, plumbing, rolled steel sash, elevators. Contract awarded to S. Larivee, Walnut street, Williamsport, Pa.

**Mill (add.)**, Chester, Pa. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, Aberfoyle Mfg. Co., Chester, Pa. Concrete and steel, 3 stories, 51x121 feet, composition roof, composition floors, concrete foundations, vacuum heating, rolled steel sash, electric lighting. Contract awarded to William Provost, Jr., Chester, Pa.

**School**, Prospect avenue, Scranton, Pa. Architect, A. J. Prawdozia, Scranton Life In-

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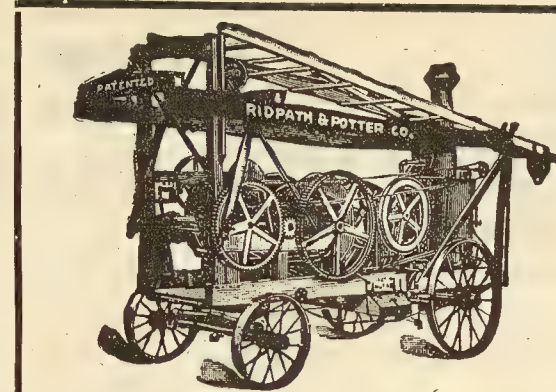
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Insurance Building, Scranton, Pa. Owner, Sacred Heart of Jesus and Mary Parish, care of Rev. Andrew Zeychowic, on premises. Hollow tile and brick, 2½ stories, 73x98 feet, stone foundations, slag and slate roof, wood floors, electric light, reinforced concrete, rolled steel sash, roof ventilators. Contract awarded to Hagan Lumber Co., Scranton, Pa.

**Ice Cream Factory**, Shamokin, Pa. Architect, W. H. Lee, Dime Savings Bank Building, Shamokin, Pa. Owner, McClew Ice Cream Co., Congress and Shamokin streets, Shamokin, Pa. Steel frame and brick, 3 stories, 50x150 feet, concrete foundations, carey roof, concrete floors, steam heat, electric light, roll-



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ed steel sash, rolled steel skylights. Contract awarded to Shamokin Lumber Const. Co., Shamokin, Pa.

**Residence**, Glenside, Pa. Architects, Seeburger & Rabenold, Weightman Building, Philadelphia. Owner, W. A. Brecht, Glenside, Pa. Stone, 2½ stories, 32x56 feet, wing 20x26 feet, slate and slag roof, stone foundations, hot water heat, electric light, tile work, iron work. Contract awarded to Albert Zellfelder, 151 South Broad street, Philadelphia.

**Residence (alts. and add.)**, Cedar Road, near Elkins Park, Pa. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, W. A. Longshore, care of architect. Stone, 3 stories, general alterations and add., hot water heat, electric light, tile and marble work, plumbing, oak floors. Contract awarded to E. Allen Reeves, Abington, Pa.

**Garage**, Protectory Station, P. R. R., Pa., \$10,000. Architect, Paul Monaghan, 1218 Chestnut street, Philadelphia. Owner, Philadelphia Catholic Protectory for Boys, Norristown Branch, Pa. Brick, 1 story, 25x33 feet, slate, slag or tile roof, cement floors. Contract awarded to James Johnston, 1721 Ludlow street, Philadelphia.

early for details.

**College Building**, State and Carroll streets, Trenton, N. J. Architect, William Slock, St. Regis Theatre Building, Trenton, N. J. Owner, Rider-Moore and Stewart School, Trenton, N. J. Brick, stone, steel and concrete, 3 stories, 60x100 feet, slag roofing, steam heating, electric lighting, concrete and wood floors, tile and marble work, wood sash, rolled steel skylights, roof ventilators. Architect taking bids due May 28th.

**School (add.)**, Bridgeboro, N. J. Architect, William Klemann, First National Bank Building, Trenton, N. J. Owner, Delau Township School Board, Burlington, N. J. Brick, 1 story, 40x48 feet, slag roof, maple floors, steam heating, roof ventilators. Architect has received bids.

**Residence**, Bridgeton, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, Burnett Stewart, Merchantville, N. J. Frame and stucco, 2 stories, 27x50 feet, shingle roof, oak floors, hot water heat, electric light.

**Drying Oven (alt.)**, Trenton, N. J., \$5,000. Architect, private plans. Owner, J. A. Roebbing Sons Co., Trenton, N. J. Brick, 1 story, 54x34 feet, concrete foundations, corrugated iron roof. Owner will build.

**College Building**, State and Carroll streets, Trenton, N. J. Architect, William Slock, St. Regis Theatre Building, Trenton, N. J. Owner, Rider-Moore and Stewart School, Trenton, N. J. Brick, stone, steel and concrete, 3 stories, 60x100 feet, slag roof, steam heat, electric light, concrete and wood floors, tile and marble work, wood sash, rolled steel skylights, roof ventilators. Architect ready for bids due May 28th.

**Store Building**, N. Broad st., Trenton, N. J. Architect, William Kleman, First National Bank Building, Trenton, N. J. Owner, William E. Green, North Broad street, Trenton, N. J. Brick, 2 stories, 93x28 feet, stone foundations, electric light. Architect taking bids due May 21st. Smith & Co., S. W. Mathes & Son, Burton & Burton, and J. H. Morris, all of Trenton, N. J., are figuring.

**Building (alt.) to Store and (4) Apartments**, Bordentown, N. J. Architects, Bowler & Deaman, Broad Street Bank Building, Trenton, N. J. Owner, James Popkin, Bordentown, N. J. Brick, 3 stories, pine floors, steam heat, tile work, painting, plumbing and interior alterations. Lowest bidder, A. Mitchell, Bordentown, N. J.

**Store and Dwelling**, 339 Reservoir street, Trenton, N. J. Architect, R. A. Schuman, 932 Lambert street, Trenton, N. J. Owner, H. Michaels, 339 Reservoir street, Trenton, N. J. Brick, 2 stories, 75x18 feet, slag roof, electric light. Plans in progress. Owners taking sub-bids.

**Bungalow**, Nuttingham and Camp streets, Trenton, N. J. Architect, R. A. Schuman,

## NEW JERSEY Construction News

**Fuel, Diesel and Gasoline Oil Storage**, Spec. 3721, Cape May, N. J. Architect, private plans. Owner, United States Government, care of Bureau of Yards and Docks, Navy Department, Washington, D. C. Reinforced concrete, 1 story, 49x93 feet, wing 20x28 feet, slag roof, concrete floors, timber piles, steam heat, electric light, rolled steel sash, fire doors, waterproofing. Owners taking bids due June 4th. Thomas Reilly, 1616 Thompson street; Cramp & Co., Denekla Building, and Hughes-Foulkrod Co., Commonwealth Building, are figuring. (Deposit of \$10.00 required.)

**Department Store**, Broadway and Chestnut streets, Camden, N. J. Architect, Reuben Beard, 1311 Commonwealth Building, Philadelphia. Owner, M. Bertowitz, care of architect. Brick, 3 stories, 26x104 feet, slag roof, pine floors, stone foundations, hot water heat, electric light, tile work, iron work. Architect has received bids.

**Store and Apartments**, Broadway and Mt. Vernon streets, Camden, N. J. Architect, private plans. Owner, name withheld. Brick, 3 stories, 20x95 feet, slag roof, oak floors, stone foundations, hot water heat, electric light, tile and marble work, iron work. Potts

Brothers & Cooperson, 1026 Wood street, Philadelphia, taking sub-bids.

**Signal Tower and Battery House**, Glenmore Middle, N. J. Architect, Chief Engineer, Reading Terminal, Philadelphia. Owner, Philadelphia and Reading R. R. Co., Twelfth and Market streets, Philadelphia. Brick and terra cotta, 2 and 1 stories, 20x15 feet, 35x13 feet, asbestos and slate roof, cement floors, concrete foundations, hot water heating, electric light, hollow metal, cement floors, roof ventilators, structural steel and iron work. Owners taking bids due May 29th. F. W. Van Loon, Denekla Building; Pringle Borthwick, 8018 Germantown avenue; Roydhouse-Arey Co., 112 North Broad street; William Steele & Sons Co., Sixteenth and Parkway, and Robert E. Lamb Co., 843 North Nineteenth street, are figuring.

**Residence**, Moorestown, N. J. Architect, W. W. Sharpley, 1713 Sansom street, Philadelphia. Owner, Samuel M. Goucher, Moorestown, N. J. General alterations and addition. Plans in progress.

**Residence**, Haddonfield, N. J. Architect, W. W. Sharpley, 1713 Sansom street, Philadelphia. Owner, name withheld. Stone and stucco, 2½ stories, 27x45 feet, shingle roof, electric lighting. Plans in progress. Too

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932 Lamberton street, Trenton, N. J. Owner, Frank Stein. Brick, 1½ stories, 28x22 feet, concrete foundations, slate roof, pine floors, pipeless heating, electric lighting. Plans about completed. Owner-taking bids.

**Store (add.)**, Camden, N. J., Broadway and Pine streets. Architect, Thomas Stephen, Camden, N. J., Temple Building. Owner, Hurley Store, Broadway and Pine streets, Camden, N. J. Brick, 2 stories, 50x60 feet, stone foundations, slag roof, maple floors, electric light (heating reserved). Architect has received bids.

**Hospital (add.)**, State Insane Asylum, Trenton, N. J., \$350,000. Architect, F. H. Bnet, State Capital Building, Trenton, N. J. Owner, State of New Jersey, care of S. F. Atchley, Trenton Insane Asylum, Trenton, N. J. Stone, 4 stories and basement, 94x45 feet and 30 feet court, stone foundations, fireproof floors, electric light, tile and terrazzo work, elevators, roof ventilators, metal window guards, hollow metal skylights. Plans in progress. Will take bids in ten days.

**Garage**, East Lafayette street, Trenton, N. J., \$15,000. Architect, William Klemann, First National Bank Building, Trenton, N. J. Owner, Alex. Klinkowstein, South Broad street, Trenton, N. J. Brick, 2 stories, 64x75 feet, stone foundation, slag roof, steam heat, electric light, cement floors. Plans in progress.

**Hospital**, near Titusville, N. J., \$200,000. Architect, not yet selected. Owner, Board of Freeholders of Mercer County, N. J. Brick, irregular size, stone foundations, electric light. Competitive plans being drawn. Architect will be selected on May 22nd.

**Community House**, Crossvick, N. J. Architect, R. A. Schuman, 932 Lambert street, Trenton, N. J. Owner, Borough of Crossvick, N. J. Stucco, 1½ stories, 80x30 feet, tile roof, wood floors, steam heat, electric light, tile work. Gymnasium and auditorium in building. Plans in progress.

**Cow Barn (add.)**, Vineland, N. J. Architect, F. H. Bent, State Capitol Building, Trenton, N. J. Owner, Institution for the Feeble Minded Women, care of Dr. Hallowell. Hollow tile and stucco, 1 story, 36x82 feet, concrete foundations, slate roof, cement floors, electric light, roof ventilators. Plans in progress. Ready for bids.

**Manufacturing Building**, Enterprise avenue, Trenton, N. J., \$100,000. Architect, J. Osborne Hunt, 114 North Montgomery street, Trenton, N. J. Owners, Atlas Tire & Rubber Company, care of Henry Ludeke, president, West State street, Trenton, N. J. Brick and concrete, 2 and 1 stories, 90x250 feet, slag roof, concrete floors, steam heat, electric light, hollow tile, metal lath, elevators, safety treads, roof ventilators, metal ceilings, fire escapes, iron stairs, rolled steel sash, fire doors (machinery reserved). Contract awarded to A. K. Bugbee Co., Trenton, N. J.

**House (alt.)**, 312 Chestnut street, Trenton, N. J. Architect, William Klemann, First National Bank Building, Trenton, N. J. Owner, H. D. Lewitt, on premises. Stone and wood, glass porch. Contract awarded to Burton & Burton, American Mechanics' Bank Building, Trenton, N. J.

**Garages (2)**, Cooper street, Trenton, N. J., \$7,000. Architect, private plans. Owner, Samuel Lavin, Trenton, N. J. Cement block, 1 story, 20x118 feet, slag roof, concrete floors. Contract awarded to Ernest Klemann, Trenton, N. J.

**Manufacturing Building (add.)**, New York

avenue, Trenton, N. J., \$3,000. Architect, private plans. Owner, Trenton Bone Fertilizer Co., on premises. Frame, 1 story, 40x108 feet, concrete foundations, slag roof. Contract awarded to Hiram Hughes, Trenton, N. J.

**Bakery**, 305 Hudson street, Trenton, N. J., \$4,000. Architect, private plans. Owner, Colonial Baking Co., Trenton, N. J. Brick, 1 story, 65x75 feet, stone foundations, slag roof. Contract awarded to Felice Tummello, 746 Roebling street, Trenton, N. J.

## New Jersey Contracts Awarded

**Parochial School**, Broadway and Ferry avenue, Camden, N. J., \$80,000. Architects, Berry & Cummiskey, Real Estate Trust Building, Philadelphia. Owners, Sacred Heart R. C. Church, care of Rev. J. B. McCloskey, on premises. Concrete, brick and cut stone, 2 stories and basement, 123½x123½ feet, copper roof, concrete foundations, terrazzo, reinforced concrete and wood floors, electric lighting, double hung sash, kalamein doors, roof ventilators, metal lath, hollow tile, waterproofing, iron stairs, reinforcing steel, structural steel and iron work. Contract awarded to Melody & Keating, 1322 Race street, Philadelphia.

**Factory**, Grafton avenue and Oraton street, Newark, N. J., \$60,000. Architect, Frederick P. Platt & Brother, 1123 Broadway, New York City. Owner, Newark Pipe Bending Co., Newark, N. J. Brick and concrete, 1 story, 97x194 feet, wing 35x41 feet, slag roof, concrete floors, concrete foundations, steam heat, electric light, rolled steel sash, metal skylights, kalamein doors, iron stairs, hollow tile, roof ventilators, dampproofing, steel and iron work. Contract awarded to Charles Gilpin, Harrison Builing, Philadelphia.

## Miscellaneous Construction News

**Manufacturing Building (alts. and add.)**, Prospect and Milton avenue, New York City. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, F. Bischoff, on premises. Concrete, steel and brick. Plans in progress. Too early for details.

**Foundry Building**, Parkersburg, W. Va. Engineers, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owner, name withheld. Brick, concrete and steel, 1 story, 100x220 feet, gypsum slab roof, rolled steel sash, electric lighting. Plans in progress. Engineers will be ready for bids in two weeks.

**Community Mausoleum**, Newark, Ohio. Architect, W. H. Lee, Dime Savings Bank Building, Shamokin, Pa. Owner, Muskingum Co., Zanesville, Ohio. Granite, concrete and marble, bronze work, 114x42 feet, tile work. Plans in progress.

**Community Mausoleum**, Boonesboro, Md. Architect, W. H. Lee, Dime Savings Bank Building, Shamokin, Pa. Owner, Central Monument Co., Carlisle, Pa. Granite, concrete, marble and bronze, 42x60 feet, tile roof. Plans in progress.

**Residence**, Bordman, Youngstown, Ohio. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Mrs. George D.

Wick, Bordman, Youngstown, O. Hollow tile, 2½ stories, 35x80 feet, 20x40 feet, slate and tile roof, oak and composition floors, stone foundations, vapor heat, electric light, tile and marble work. Architect taking bids due May 26th. Heller Brothers Co., Frank Vogelberger, and Wilbur Young, all of Youngstown, O.; Samuel Amble, R. F. D. Boardman, Youngstown, O.; Henry Shenk Co., Erie, Pa., and D. L. Swearingen, Sewickley, Pa., figuring.

## Maryland Construction News

**Factory Building**, Oak street and North avenue, Baltimore, Md. Architect, Le Roy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, Oakland Car, Reinhard Motor Car Co., Baltimore, Md. Steel frame and frame, 4 stories, 40x110 feet, slag roof, tile floors, steam heating, electric lighting, (1) elevator. Architect will take bids in two weeks.

**Garage (add.)**, East Mt. Royal avenue, near Charles street, Baltimore, Md. Architect, E. H. Glidden, American Building, Baltimore. Associate architect, Theo. W. Pietsch, American Building, Baltimore. Brick and reinforced concrete, 3 stories, 60x70 feet, slag roof, steam heat, electric light, steel sash and ventilators, fireproofing, dampproofing, hollow tile, plastering, painting, plumbing, metal doors, copper work. Plans completed. Architects will take bids in a few days.

**Y. M. C. A. Building (alts.)**, Charles and Saratoga streets, Baltimore, Md. Architect, George R. Morris, Title Building, Baltimore. Owner, Apartment Corp., Title Building, Baltimore. Altering building into office building, steam heat, electric light, electric elevators, steel and iron work, fire escapes, metal doors, bronze and copper work, hollow metal skylights, roof ventilators, concrete work, fireproofing, dampproofing, hollow tile, terra cotta, terrazzo, tile and marble work, hardwood floors, dumb waiters. Owners taking bids.

**Bungalows (5)**, Forest Park, Md. Architect, private plans. Owner, C. W. Littleton & Sons, 4313 Liberty Heights avenue, Baltimore. Frame, 2½ stories, slate and asphalt shingle roof, hot air or hot water heating, electric lighting, tile work, hardwood floors. Owners will build and are taking sub-bids.

**Factory**, Oliver street, near Fruilford avenue, Baltimore, Md., \$75,000. Architect, not yet selected. Owner, M. & S. Shoe Co., ¾ Muskin, 500 East Lombard street, Baltimore, Md. Work contemplated.

**Residence (alts.) to Apartments**, 459 Gay street, Baltimore, Md. Architect, John Freund, 16 East Biddle street, Baltimore. Owner, David Kramer, on premises. Changing present second and third floors to apartments, slag roof, hot water heat, electric lighting, skylights, tile work, dumb waiters, plumbing, skylights. Plans in progress.

**Bank**, Berlin, Md. Architects, Owens & Sisco, Continental Building, Baltimore. Owner, Calvin B. Taylor, Berlin, Md. Brick, 1 story, 30x50 feet, slate roof, ornamental iron work, vault. Plans in progress. Too early for details.

**Bank**, West North avenue, near Charles street, Baltimore. Architect, Joseph Evans Sperry, Calvert Building, Baltimore. Owner, Security Storage & Trust Co., H. S. King,

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president, on premises. Brick, steel and stone. Plans in progress. Too early for details.

**Bank**, Pratt and Payson streets, Baltimore, Md. Architect, Josias Pennington, 330 North Charles street, Baltimore. Owner, West Baltimore Bank, on premises. Brick and stone, 1 story, 36x100 feet, slag roof, steam heat, electric light, ornamental iron work, metal doors, copper and bronze work, vault, reinforced concrete work, metal lath, fireproofing, dampproofing, tile, marble and terrazzo work, hardwood floors, plumbing. Plans in progress.

**Club House**, East side of Eutaw Place, between Brooks lane and Chauncey avenue, Baltimore, Md. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, Hebrew Club, care of Alex. Lumberg, 225 West Baltimore street, \$100,000. Brick and stone, 4 stories. Plans in progress. Too early for details.

**Dwelling**, Charles street, near Twenty-ninth street, Baltimore, Md. Architect, Clyde N. Friz, Munsey Building, Baltimore, Md. Owner, P. W. Knafely, 5 East Pratt street, Baltimore. Brick, 2½ stories, marble trim, slate or tile roof, hot water heat, electric light, ornamental iron work, hollow tile, plumbing, tile work, hardwood floors, vacuum cleaning system, refrigerators. Plans in progress.

**Dwellings (13)**, Gorsuch avenue, near Tinges lane, Baltimore, Md. Architect, John R. Forsythe, 232 St. Paul street, Baltimore. Owners, Patterson & Gilbert, Munsey Building, Baltimore, Md. Brick, 2 stories, 19x32 feet, stone trim, composition roof, pipeless heater, electric lighting, skylights, ventilators, plastering, plumbing, tile work, painting. Plans in progress.

**Garage**, Fulton and Pennsylvania avenues, Baltimore, Md. Architects, George R. Callis, Jr., Melvin avenue, Catonsville, Md. Owner, Universal Garage Co., care of architect. Brick, 1 story, 98x350 feet, slag roof, stone trim, steam heat, electric light, steel and iron work, metal doors, skylights, ventilators, fireproofing, dampproofing, hollow tile, painting, plastering, composition floors. Plans completed. Architect will take bids in ten days.

**Theatre**, Fayette street and Philadelphia avenue, Baltimore, Md. Architect, W. O. Sparklin, Fidelity Building, Baltimore. Consulting Engineer, W. C. Schnabel, 3016 Harford road, Baltimore. Brick, 1 story, 75x150 feet, slag roof, steam heat, electric lighting, ventilators, plastering, plumbing, ornamental plastering. Plans completed.

**Apartment House**, Thirty-fourth street, Charles and St. Paul streets, Baltimore, Md. Architect, Francis White, Washington, D. C. Owner, name withheld. Brick, marble and stone trim, slag roof, 6 stories, 100x277 feet, steam heat, electric light, electric elevators, steel and iron work, ornamental iron work, fire escapes, bronze work, metal doors, copper work, skylights, ventilators, dampproofing, fireproofing, terra cotta, hollow tile, metal lath, plumbing, tile, marble, slate and terrazzo work, hardwood floors, dumb waiters, vacuum cleaning system, refrigerators (380 rooms, 170 baths). Abell Building & Const. Co., 763 Calvert Building, Baltimore, will build and are taking sub-bids on all lines.

**Amusement Park**, Gittings Estate, Park Heights avenue, Baltimore, Md. Architect, private plans. Owner, John J. Carlin, 11 East Lexington street, Baltimore, Md. Bathing beach, swimming pool, dance hall, moving picture theatre, racer dips, 50 acres. Owner taking sub-bids in all lines.

**Bank**, Aberdeen, Md. Architect, Henry P. Hopkins, Union Trust Building, Baltimore, Md. Owner, First National Bank of Aberdeen, Aberdeen, Md. Brick, stone trim, 2½ stories, slate roof, hot water heat, electric light, steel and iron work, bronze and copper work, skylights, ventilators, vault, reinforced concrete, fireproofing, dampproofing, hollow tile, plastering, metal lath, tile, marble and terrazzo work, composition and hardwood floors. Architect taking bids due May 28th. H. D. Watts & Co., E. G. Turner Co., the John Waters Building, Baltimore; C. C. Smith, and Northeastern Const. Co., both of Aberdeen, Md., are figuring.

**Boiler Shop**, Sparrows Point, Md. Architect, private plans. Owner, Bethlehem Shipbuilding Corp., Sparrows Point, Md. Brick, 20x60 feet, slag roof, cement floors, electric light, metal doors, steel sash, skylights, ventilators, reinforced concrete, fireproofing, dampproofing. Owners taking bids, due May 23rd. Singer-Pentz Co., Baltimore, Md., are figuring.

**College Building**, Carnegie Hall, Hillen road, Baltimore, Md. Architect, E. L. Tilton and A. M. Githens, Assoc., 52 Vanderbilt avenue, Baltimore. Stone and brick, 3½ stories, slate roof, steam heat, electric light, steel and iron work, metal doors, skylights, ventilators, concrete work, fireproofing, dampproofing, hollow tile, tile, terrazzo work, painting and plumbing. Owners taking bids.

**Dwelling**, Berlin, Md. Architects, Ownes & Sisco, Continental Building, Baltimore. Owner, A. H. Hardesty, Berlin, Md. Frame, 2½ stories, shingle roof, vapor heat, electric lighting, metal lath, tile work, hardwood floors. Architect has received bids.

**Factory (add.)**, Barney and St. Peter streets, Baltimore, Md. Architect, Joseph H. Steinacker, 28 Sanford road, Catonsville, Md. Owner, H. S. Wampole, 761 Columbia avenue, Baltimore, Md. Brick, iron and steel, 4 stories, 25x30 feet, slag roof, electric work, elevator, plumbing. Architect taking bids. B. F. Bennett Bldg. G. Walter Tovell, Cogswell-Koether Co., and C. L. Stockhausen, all of Baltimore, Md., and Rhodes & Billops, 611 Haywood street, Arlington, Md., are figuring.

**Garage**, Gilton street, South of Edmondson avenue, Baltimore, Md. Architect, F. E. Beall, 1335 North Gilmore street, Baltimore. Owner, James Keelty, 1123 Poplar Grove street, Baltimore. Stone and brick, 2 stories, 50x100 feet, slag roof, steam heat, electric light, metal doors, skylights, ventilators, hollow tile, dampproofing, fireproofing. Owner will take sub-bids.

**Warehouse**, Russell near Ostend street, Baltimore, Md., \$35,000. Architects, Callis & Callis, 2055 Kennedy avenue, Baltimore. Owner, Samuel Cooper, 2036 Brookfield avenue, Baltimore. Brick, mill construction, 80x155 feet, slag roof, steam heat, steel beams and columns, cement floors. Revised plans about completed. Owner is ready for bids.

## Maryland

### Contracts Awarded

**Building (alts.)**, 338 North Charles street, Baltimore. Architects, Blanke & Zink, 213 North Calvert street, Baltimore. Owner, A. & B. Chemical Co., Scranton, Pa. Interior alterations, heating, electric lighting, plastering, mill work, hardwood floors, tile work. Contract awarded to Frank Herbert, 1109 Madison avenue, Baltimore.

**Apartments**, Lake Drive, Md. Architect, Edw. L. Palmer, Jr., 513 North Charles street, Baltimore. Owner, A. T. Carrozza, 2340 Mt. Royal Terrace, Baltimore. Brick, steel frame, stone trim, 8 stories, 80x130 feet, tile roof, steam heat, electric light, (2) electric elevators, steel and iron work, fire escapes, copper work, ventilators, fireproofing, dampproofing, terra cotta, hollow tile, plastering, tile, marble and terrazzo work, composition floors, hardwood floors, dumb waiters, vacuum cleaning system, refrigerators. Contract awarded to H. D. Watts Co., Garrett Building, Baltimore.

**Dwellings (20)**, Presbury street, Baltimore, Md., \$50,000. Architect, W. Sparklin, Fidelity Building, Baltimore. Owner, Jack Burk, 1643 Appleton street, Baltimore, Md. Brick, 2 stories, 22x34 feet, slag roof, hot air heating. Contract awarded to McIver Const. Co., Fidelity Building, Baltimore.

**Pump House**, Sparrows Point, Md. Architect, Edw. L. Palmer, Jr., 513 North Charles street, Baltimore. Owner, Bethlehem Steel Co., Sparrows Point, Md. Brick and stone, 1 story, 50x80 feet, slate roof, steam heat, electric light, steel and iron work, steel sash, metal doors, skylights, ventilators, concrete work, dampproofing, painting, plumbing, composition floors. Contract awarded to Gladfelter & Chambers, 932 West Thirty-sixth street, Baltimore.

**School and Gymnasium**, Hamilton, Md. Architect, A. C. Leach, 323 North Charles street, Baltimore, Md. Owner, St. Dominic's R. C. Church, care of Rev. J. B. Manly, on premises. Stone and brick, 3 stories, 60x110 feet, slate roof, hot water heat, electric light, steel and iron work, ventilators, skylights, dampproofing, fireproofing, hollow tile, tile, slate and terrazzo work, hardwood floors. Contract awarded to J. J. O'Connor, Knickerbocker Building, Baltimore.

**Signal Tower**, Sparrows Point, Md. Architect, private plans. Owner, United Railways & Electric Co., Continental Building, Baltimore. Reinforced concrete, 2 stories, 12x12 feet, tile roof, ornamental iron work, ventilators, metal lath, plastering, painting, plumbing. Contract awarded to Price Const. Co., Maryland Trust Building, Baltimore.

## Proposals

### INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 5, 1919. SEALED PROPOSALS will be opened in this office at 3 P. M., June 2, 1919, for the installation complete of a hoistway and electric dumb waiter in the United States Post Office and Court House at Pittsburgh, Pa., in accordance with the drawing and specification, copies of which may be had at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

You owe it to yourself to keep in touch with what is going on in the trade, and you can do this only by becoming a subscriber to and regular reader of your trade paper. If you are not a regular reader of the Builder's Guide you should be. The cost is not excessive. A five-spot insures it fifty-two times in the course of a year.

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# Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

## Philadelphia

Garage, 535 Cypress street, \$600. L. Walton (O), 336 Spruce street. Brick, 1 story, 16x16 feet. H. Blumenthal (C), 313 Spruce street.

Garage, 2918 Melvale street, \$800. Dr. M. B. Brenner (O), 2919 Richmond street. Brick, 1 story, 16x20 feet. H. C. Kooker (C), 3049 North Fifth street.

Garage, Northeast Corner Kip and Tioga streets, \$400. Ernest Tither (O), 236 East Tioga street. Brick, 1 story, 16x18 feet. William Tithe r (C), 651 East Allegheny avenue.

Garage, Gerritt street, east of Thirteenth street, \$4,000. Guiseppi Caruso (O), 1238 Reed street. Brick, 2 stories, 40x28 feet, slag roof. Nicola D'Amico (C), 1022 South Eighth street.

Garage, Eleanor street, West of A street, \$3,500. James J. Gallagher (O and C), 108 East Rockland street. Brick, 1 story, 54x112 feet.

Garage, Northeast Corner McCallum and Lincoln Drive, \$2,500. J. A. Jalett (O), Pulaski and Wyoming avenues. Stone, 1 story, 16x24 feet. R. M. Peterson (C), 5114 Germantown avenue.

Garage, 7209 Hegerman street, \$300. George W. Snyder (O and C), on premises.

Garage, Logan street, East of Morris street, \$600. B. Springthorp (O), on premises. Brick, 1 story, 12x17 feet. Edw. Clifford (C), 107 Queen street, Germantown, Pa.

Garage, 1000 South Colorado street, \$300. W. J. Jones (O), 1012 South Colorado street. Brick, 1 story, 8x16 feet. H. C. Harris (C), 1623 Carpenter street.

Garage, Southwest Corner Lindenwood and Race streets, \$750. M. Kline (O), 5230 Race street. Brick, 1 story, 11x17 feet 10 inches. Edw. Holland (C), 1037 South Fifty-fourth street.

Church, Second and Lipscomb streets, \$58,000. Palethorpe Memorial Presbyterian Church (O), Second and Clearfield streets. Stone, 1 and 2 stories, 104x59 feet, slag roof, steam heating. George E. Savage (C), Witherspoon Building.

Dwellings (6), Sixtieth and Nassau streets, Philadelphia, \$41,000. C. W. Ferguson, 5913 Walton street (O and C). Brick, 2 stories, 17½x48 feet, 22½x31 feet, 16x31 feet, 12 feet, 15 feet, slag roof, hot water heat, electric light, tile work, oak floors.

Residence, Benn Grass road, North of Grant avenue, \$6,300. John Bowinski (O), Bustleton, Pa. Frame, 3 stories, 28x30 feet, shingle roof, hot water heat. C. H. Weiss (C), 9512 Bustleton avenue.

Garage, 731 East Tioga street, \$550. Joseph Sutcliffe (O), on premises. Brick, 1 story, 14 feet 10 inches x16 feet. Liberty Const. Co. (C), Ruscomb and Fairhill streets.

Garage, 5334 Ridge avenue, \$500. Edw. Earnshaw (O), on premises. Brick, 1 story, 16x20 feet. H. Andrews (C), 243 Louriston street.

Garage, Wayne avenue and Coulter street, \$1,600. Raymond Leopold (O), on premises. Brick, 1 story, 16x20 feet. B. J. Campbell (C), 1530 Edgewood street.

Garage, North side Courtland street, East

of Ella street, \$500. Walter C. Johnson (O and C), 4601 Ella street. Concrete, 1 story, 25 feet 4 inches x15 feet 11 inches.

Garage, 912 Wynnewood road, \$1,100. H. B. Lickwood (O), on premises. Stone, 1 story, 15x22 feet. George H. Evans (C), 45 North Thirteenth street.

Garage, 2655 South Camac street, \$950. Raymond Kilpatrick (O), 1523 Snyder avenue. Brick, 1 story, 9 feet 6 inches x16 feet. Raith Const. Co. (C), 302 West Master street.

Dwelling, Southwest Corner State Road and Arendel street, \$1,000. Frame, 2 stories, 14x22 feet. Thomas H. Davenport (O and C), State Road, North of Linden avenue.

Office, Southwest Corner Buckius and Richmond streets, \$1,200. Henry Hitner, Sr., Co. (O), on premises. Frame, 1 story, 18x32 feet 4 inches. Harry Brocklehurst (C), 512 West Norris street.

Garage, 1216 East Berks street, \$1,700. Emma Daniels (O), on premises. Brick, 1 story, 18x54 feet. Paul Wenke (C), 6510 State Road.

Garage, 5317 North Twelfth street, \$380. A. C. Werner (O), 3525 York road. Iron on iron, 1 story, 12x18 feet. Asbestos Concrete Co. (C), 1927 Market street.

Garage, 3126-28 Kensington avenue, \$1,500. Brick, 1 story, 32x40 feet. Richard B. Wallace (C), 3146 Potter street.

Garage, Southwest Corner Kirkbride and Melvale streets, \$2,300. Pillman Boyer (O), 4747 Richmond street. Brick, 1 story, 58x18 feet 6 inches, 10x18 feet. Birkelbach Co. (C), 4608 Richmond street.

Garage, 6510 North Eleventh street, \$1,000. William L. Ridpath (O), on premises. Stone, 1 story, 21x24 feet. C. E. Lloyd (C), 6600 North Eighth street.

Garage, 5234 North Mascher street, \$500. Walter Webb (O), on premises. Brick, 1 story, 9 feet 6 inches x16 feet. John H. Cloak (C), 5421 North Fifth street.

Store and Dwelling, Southeast Corner Seventeenth and Montrose streets, \$33,892. Walter W. H. Cassell (O), 917 South Seventeenth street. Stone and brick, 3 stories, 48x30 feet, 32x44 feet, 16x9 feet, slag roof, hot water heat. Joseph F. Trent (C), 2041 Master street.

Dwelling, Fairhill street, South of Cheltenham avenue, \$8,000. Henry C. Robinson (O), on premises. Stone, 2 stories, 25x39 feet, slate roof, hot air heat. C. E. Lloyd, Jr., 6600 North Eighth street (C).

Dwelling, 2513 Edgemont street, \$2,000. C. E. Drehmann (O), 2828 Girard avenue. Brick, 2 stories, 16 feet 3 inches x24 feet and 9x19 feet 3 inches, slag roof, hot air heat. J. H. C. Danehl (C), 2622 Parrish street.

Dwellings (7), 2515-27 Edgemont street, \$10,500. C. E. Drehmann (O), 2828 Girard avenue. Brick, 2 stories, 14 feet 2 inches x49 feet and 9x24 feet, slag roof, hot air heat. J. C. H. Danehl (C), 2622 Parrish street.

Stores and Dwellings (2), 5529-31 North Fifth street, \$10,000. Aaron Levin (O), 1622 Point Breeze avenue. Brick, 2 stories, 15x45 feet and 12x25 feet, slag roof, hot water heat. Morris Levin (C), 1622 Point Breeze

avenue.

Dwellings (23), Daggett, Haddington and Jefferson streets, \$104,100. John H. McClatchy (O and C), 848 Land Title Building. Brick, 3 stories, 16x32 feet, slag roof, hot water heating, electric lighting, tile and marble work, oak and pine floors.

Store and Dwelling, Northeast Corner Eleventh and Bainbridge streets, \$5,000. Rachael Cohen (O and C), on premises. Brick, 3 stories, 18x20 feet 5 inches and 13x24 feet, slag roof, steam heat.

Garage, 6390 Drexel Road, \$1,500. C. A. Barnes (O), 6235 Christian street. Brick, 1 story, 21 feet 8 inches x24 feet 8 inches. J. Sims Wilson Co. (C), 1125 Brown street.

Storage Building, 2131 North Orkney street, \$1,500. Frank Tamenir (O), 432 West Norris street. Brick, 2 stories, 15x29 feet. D. Nick Tauro (C), 2031 North Fourth street.

Dwellings (6), Cottage street, South of Wakeling street, \$18,000. Harry Stocks (O and C), 5005 Cottage street. Brick, 2 stories, 14 feet 6 inches x22 feet and 11 feet 6 inches x16 feet, hot air heating.

Dwellings (6), North side Bleigh street, East of Rising Sun avenue, \$18,000. William F. Koelle (O and C), 2601 West Oxford street. Brick, 2 stories, 15x41 feet 5 inches, hot water heating.

Factory, Church Lane, East of Lena street, \$56,000. Hamill Spice Co. (O), on premises. Brick, 2 stories, 43x176 feet, slag roof, steam heat. R. M. Peterson (C), 5114 Germantown avenue.

Garage, East side Forty-first street, South Haverford avenue, \$1,500. James Kershaw (O), on premises. Brick, 1 story, 50x22 feet. George C. Williams (C), 1555 North Peach street.

Shelter Shed, Washington avenue, West of Broad street, \$850. Pennsylvania Railroad (O and C), Broad Street Station. 1 story, 14x5 feet.

Armory, Thirty-second and Lancaster avenue, \$230,000. State of Pennsylvania (O). Brick and steel, 1 story, 155x282 feet. George F. Pawling Co. (C), 1432 South Penn Square.

## Alterations and Additions

Store and Dwelling, 2208 North Front street, \$800. R. C. Knabel (O), on premises. Brick, 1 story, 12x4 feet. M. Morrison (C), 2322 Howard street.

Store and Dwelling, 733 Snyder avenue, \$375. M. Gold (O), on premises. Flush bulk. Frank & Kaiser (C), 1522 South Sixth street.

Garage, 1667 Foulkrod street, \$650. Tom Cave (O), 4910 Penn street. Brick, 1 story, 64x19 feet 6 inches. John C. Bower (C), 4734 Mulberry street.

Store and Dwelling, Fifty-seventh and Chester avenue, \$1,500. Sam Cohen (O), 1641 N. Thirty-third street. Brick, 1 story, 31x24 feet 6 inches, 19x17 feet, slag roof. Sol Shistack (C), 322 Dickinson street.

Dwelling, 1653 Wakeling street, \$500. John F. Stokes (O), on premises. Frame, second story. George R. Osborne (C), 5017 Duffield street.

Dwelling, 605 Morris street, \$800. S. Svilikovsky (O and C), 603 Morris street. Brick, 1 story, 12x12 feet, slag roof.

Dwelling, 157 North Fifty-eighth street, \$600. I. C. Shalkop (O), 1212 Ridge avenue. George Gemunder (C), 1644 North Perth st.

Store and Dwelling, 2157 Ridge ave., \$300.

Our specialty is Portland Cement that will stick and pass the City Department. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



Nathan Snyderman (O), 2162 Ridge avenue. American Store Co. (C), Fourth and Noble streets.

Store, 917-919 Arch street, \$2,500. Asam Bros. (O), on premises. Wm. Steele & Sons Co. (C), 1600 Arch street.

Store and Dwelling, 700 North Forty-second street, \$633. J. A. Harder (O), on premises. Harry G. Warner (C), 4119 Haverford avenue.

Store and Dwelling, Tenth and Columbia avenue, \$350. Timothy Mohoney (O), on premises. O. P. Stroup (C), 1723 North Tenth street.

Bakery, Broad and Butler streets, \$500. Kolb's Bakery (O and C), on premises.

Store, 1211-17 Arch street, \$2,000. Boyertown Burial Casket Co. (O and C), on premises.

Dwelling, 2351 East Sargeant street, \$400. Emily J. Mlyszak (O), 2351 East Sargeant street. Henry A. Hobert (C), 2620 East Cumberland street.

Garage, 2541 Huntingdon street, \$800. John P. Maher (O and C), 2733 West Lehigh ave.

Office, Broad and Chestnut streets, \$500. Mezzanine floor. Real Estate Trust Co. (O), on premises. P. M. Cohen (C), 3133 West Norris street.

Shop, northeast corner of Opal and Reed streets, \$2,000. David McAllister (O), 1935 South Twentieth street. Brick, 2 stories, 65x18 feet, slag roof, maple floors. Concrete Construction Co. (C), 1618 Thompson street.

Beef Cooler, Moore street, west of Second street. M. L. Shoemaker & Co. (O and C), Delaware avenue and Venango street. Brick, 2 stories, 26x50 feet, \$10,000.

Dwelling, Reese and Luzerne streets, \$500. J. F. Nevitt (O and C), 4000 North Reese street. Brick, 1 story, 15x8 feet 10 inches, slag roof.

Laboratory, Twenty-sixth and Point Breeze avenue, \$485. W. E. Clute (O and C), 2426 Mifflin street. Iron on iron, 1 story, 16x32 feet.

Dwelling, 2637 Cabot street, \$550. Mrs. August Eigerianer (O), on premises. Brick, 2 stories, 16x20 feet, tin roof. George Stewart (C), 1603 North Marston street.

Dwelling, 724 S. Rosewood street, \$400. John Nong (O), 2200 South Sixty-third street. M. Stackhouse Co. (C), 6070 Reinhart street.

Store and Dwelling, 2117 Ridge avenue, \$675. Isadore Weiss (O), on premises. Brick, 1 story, 4x27 feet. Max Rosenheck (C), 722 Parrish street.

Dwelling, 1824 South Camac street, \$300. G. Vadola (O and C), on premises. Brick, 1 story, 14x12 feet.

Dwelling, 2926 Wharton street, \$300. Pasquale Martino (O), on premises. Olindo Tzzo (C), 740 Fitzwater street. Brick, 1 story, 14x13 feet.

Lumber Shed, 504-6 Poplar street, \$1,000. M. Zussman (O and C), 876 North Fifth street.

Dwelling, 5321 Girard avenue, \$800. Nathan Statnekov (O and C), on premises. Brick, 2 stories, 14x24 feet, tin roof.

Dwelling, Twenty-second and Susquehanna avenue, \$1,145. Fred C. Cramer (O), 2133 W. Susquehanna avenue. F. I. Winitz (C), 1618 North Twenty-seventh street.

Store and Dwelling, 5902 North Park avenue, \$850. Wm. Adler (O), on premises. Brick, 1 story, 16x7 feet, flush bulk. Frank K. Stahl (C), 2713 North Park avenue.

Stable, Merion avenue, south of Girard avenue, \$15,000. Supplee, Wills, Jones Co. (O), Twenty-sixth and Jefferson streets. Brick, sec-

ond story, 112x50 feet. George Kessler Cont. Co. (C), 911 Drexel Building.

Store, 1728 Market street, \$3,000. Albert M. Grenfield (O), Thirteenth and Chestnut streets. Brick, 1 story, 27x30 feet. Benj. Bornstein (C), 1510 Franklin street.

Dwelling, 1221 West Cambria street. Frederick Noll (O), 1221 West Cambria street. Brick, 1 story, 18x8 feet. Frank K. Stahl (C), 2713 North Park avenue.

Dwelling, 5915 Pulaski avenue. Charles H. Holson (O), on premises. W. S. Oberholtzer (C), 5524 Pulaski avenue. \$800.

Garage, 6212 Boynton street, \$2,200. Wm. H. Nice (O), on premises. Brick, 1 story, 17 feet 10 inchesx55 feet 2 inches, slag roof. W. S. Oberholtzer (C), 5524 Pulaski avenue.

Garage and Office, 1226 Belmont avenue, \$2,000. Wilson Magazine Co. (O), 4434 Lancaster avenue. Brick, second story, 20x20 feet. R. F. Goy (C), 3923 Fairmount avenue.

Garage, 1924 East Dauphin street, \$900. A. A. Frankel (O), Front and Dauphin streets. M. Morrison (C), 2322 Howard street.

Store and Dwelling, Snyder avenue and Hancock street, \$750. Charles Foren (O), on premises. W. Siszik (C), Fifth and Ritner streets. Flush bulk.

Dwelling, 2539 North Thirty-third street, \$1,200. M. Pant (O), 1254 South Eighteenth street. Brick, 1 story, 6 feet 6 inchesx12 feet. Max Cotler (C), 1220 North Forty-second street.

Store and Dwelling, 1717 South street, \$800. N. Niskoff (O), 1725 South street. Flush bulk. Max Cotler (C), 1220 North Forty-second street.

Dwelling, 1536 South Thirteenth street, \$500. Gartano Seccia (O), on premises. Brick, third story, 14x20 feet. Paolo Di Guiseppe (C), 2038 South Bouvier street.

Dwelling, 108 South Sixty-second street, \$310. Mr. Yates (O and C), 2445 South Woodstock street. Brick, 2 stories, 7x12 feet.

Dwelling, Fifty-eighth and Chestnut sts., \$1,200. Morris Burson (O), 5701 Walnut st. Max Lesetsky (C), 1924 North Patton street.

Dwelling, 2448 South Second street, \$600. Louis Kie (O), on premises. Brick, 1 story, 14x6 feet, slag roof, flush bulk. Joe Tactor (C), 412 Tree street.

Dwelling, 5900 Chestnut street, \$435. H. Pearl (O), on premises. Store in basement. Max Lessitsky (C), 1924 North Patton street.

Store, 1013-15-17 West Montgomery avenue, \$300. Searl & Shoemaker (O), on premises. Fireproof partitions. Marshall Kolb (C), 27 North Juniper street.

Factory, 3434 Market street, \$10,000. Hurlock Bros. (O), on premises. Repair fire damage. Frank G. English (C), 1608 North Carlisle street.

Store, 3148-50 Richmond street, \$500. J. Percarsky (O), 3149 Richmond street. Take out party will. B. Bonitebus (C), 2029 East Somerset street.

Shop and Office, Berks street, west of Ninth street, \$20,000. Montgomery Iron and Steel Co. (O), 932 North Ninth street. Brick, 2 stories, 22x122 feet. Owner will build.

Store, Dwelling and Shop, 6006 Lansdown avenue, \$12,000. John Schmelshoff (O), on premises. Brick, 2 stories, 21 feet 3 inchesx18 feet 6 inches, 16x20 feet, 16x31 feet, slag roof. Herman Voigt (C), 1252 North Twenty-ninth street.

Office, McKean street, east of Vandalia st., \$1,500. E. E. Brown (O), on premises. Concrete, second story, 19 feet 6 inchesx16 feet,

12 feet 9 inchesx23 feet, hot water heat. Doyle & Co. (C), 1519 Sansom street.

Church, Frankford avenue and Ontario st., \$635. St. John's Reformed Church (O), on premises. Novelty Pipeless Furnace. Albert F. Yahn (C), 3439 Emerald street.

Dwelling, 1814 North Broad street, \$1,650. Helen Snider (O), on premises. Flush bulk. Barkin Bros. (C), 926 Snyder avenue.

Store and Dwelling, Titan and Point Breeze avenue, \$1,000. Herman Goldberg (O), on premises. Flush bulks. Max Belinsky (C), 2504 South Sixth street.

Dwelling, Pulaski and Queen street, \$2,000. Michael Hammer (O), on premises. Brick, 1 story, 14x29 feet, slag roofing. Frederick Elvidge (C), 5522 Germantown avenue.

Dwelling to Tenement, 3741 Walnut street, \$2,500. Ethel M Mackie (O and C), on premises.

Dwelling, 742 Snyder avenue, \$350. Samuel Joseph (O), on premises. Brick, 1 story, 15x14 feet, slag roof. George Sutton (C), 510 Cantrell street.

Garage, 5367 Pulaski avenue, \$1,500. Herbert Wignall (O), Forty-second and Queen Lane. Brick, 1 story, 38x40 feet. E. Carmel (C), 350 Queen Lane.

Dwelling, 4413 Brown street, \$300. Fannie Armstrong (O), on premises. Brick, 1 story, 11x8 feet. Warren E. Biscoe (C), 3954 Ludlow street.

Factory, 2466 Amber street, \$800. Boyer & Co. (O), on premises. Wm. E. Stowe (C), 2069 East Dauphin street.

Factory, 235 South American street, \$500. S. C. Roop (O), 240 South Second street. Brick, 1 story, 10x40 feet. H. Blumenthal (C), 313 Spruce street.

Dwelling, 911 South Thirteenth street, \$400. Louis Gendel (O and C), on premises. Brick, 2 stories, 18x20 feet.

Store and Storage, 1013 Market street, \$26,000. E. Chas. H. Stone (O), Eighteenth and Market streets. Flush bulk, elevator enclosures. B. Bornstein (C), 1510 North Franklin street.

Store and Dwelling, 3402 Market street, \$3,500. B. Rohn (O), 3342 Market street. Brick, 1 story, 12x20 feet and 16x12 feet. F. Quate (C), 1323 Snyder avenue.

Store and Offices, Point Breeze avenue and Moore street. Charles A. Shetzline (O), Broad and McKean streets. Studded partitions on all floors for office purposes, \$2,000. H. F. Dinkelacker (C), 1612 Mewean street.

Garage, Seventh and Bristol streets, \$3,200. Charles Goetz (O and C), 4265 North Seventh street. Brick, 1 story, 17x92 feet.

Shop, Allen street, east of Front street, \$3,000. The Ajax Metal Co. (O), 46 Richmond street. New brick party wall and foundations. M. Ward Easby, Inc. (C), 1420 Chestnut street.

Dwelling, McCallum and Lincoln Drive, \$2,500. L. A. Jellett (O), Pulaski and Wyoming avenues. Stone, 1 story, 17 feet 9 inchesx28 feet 8 inches. R. M. Peterson & Son (C), 5114 Germantown avenue.

Dwelling to Store, Ruby and Warrington streets, \$550. Preston Ivins (O), on premises. Frank Mugnier (C), 2100 Christian street.

Shop, 1328 Mt. Vernon street, \$600. George Davis (O), on premises. Brick, 1 story, 18x30 feet, slag roof. Sutton & Stephenson (C), 1713-19 Washington avenue.

Offices, Sixteenth and Spruce streets, \$1,000. T. E. Mutton (O), on premises. Repairs. Frank E. Wallace (C), 1220 Chancellor street.



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Face, Etc.).

O. W. Ketcham.....Builders' Exchange, Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.  
Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.

Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.

Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Contractors' Equipment.

Service Equipment Co.....Bourse Bldg., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.

General Fireproofing Co. 512 Bulletin Bldg., Phila.

Henry S. Harris.....Land Title Bldg., Phila.

Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.

McCalla Co., The Harold....531 N. 4th st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.

Truscon Steel Co.....Commonwealth Bldg., Phila.

## Floor Plates.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co. 1332 Arch st., Phila.

## Gas Water Heaters.

Apeldorn & Beatty Co....155 N. 9th st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.

Fleck Bros. Co.....44 N. 5th st., Phila.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

Richardson and Boynton Co. 1332 Arch st., Phila.

## Insurance.

Harris J. Latta.....Pennsylvania Bldg., Phila.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.

Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Iron and Steel Bars and Plates.

McCalla Co., The Harold....531 N. 4th st., Phila.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Levels.

Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

## Light Iron Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lumber.

Wm. Lloyd Co.....29th and Ridge ave., Phila.

James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.

Italian Marble Mosaic Co...433 Spruce st., Phila.

Roman-Cianci Co., Inc...3428 Warren st., Phila.

## Metal Lath.

Audubon Wire Cloth Co., Inc.....Audubon, N. J.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.

General Fireproofing Co. 512 Bulletin Bldg., Phila.

McCalla Co., The Harold....531 N. 4th st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.

Truscon Steel Co.....Commonwealth Bldg., Phila.

## Metal Lath Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Metal Tiles and Shingles.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Meters.

Philadelphia Meter Co.,  
Real Estate Trust Bldg., Phila.

## Mill Supplies.

The Fairbanks Co.....7th and Arch sts., Phila.

## Paints and Varnishes.

The Barrett Company,  
New York and Philadelphia.

French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

## Pipe Fittings and Valves.

The Fairbanks Co.....7th and Arch sts., Phila.

## Plumbing Fixtures.

Fleck Bros. Co.....44 N. 5th st., Phila.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Preservatives (Wood and Concrete).

The Barrett Co.....New York City and Phila.

## Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.

Henry M. Miller.....46-48-50 N. 2d st., Phila.

Richardson and Boynton Co. 1332 Arch st., Phila.

## Refrigerators.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.

## Reinforcing Bars.

Morris Wheeler & Co. 30th and Locust sts., Phila.

Truscon Steel Co.....Commonwealth Bldg., Phila.

## Roofing.

The Barrett Co.....New York City and Phila.

## Roofing Tile.

O. W. Ketcham.....Builders' Exchange, Phila.

William Moore Co.....1506 Sansom st., Phila.

## Roofing Tin.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Roofing Slate.

William Moore Co.....1506 Sansom st., Phila.

## Safety Guards.

Audubon Wire Cloth Co., Inc.....Audubon, N. J.

Kensington Metal Co.....1612 N. 2nd st., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

## Screens.

Thos. J. Malia.....141 Wentz st., Phila.

## Steam Specialties.

Apeldorn & Beatty Co.....155 N. 9th st., Phila.

## Slate.

William Moore Co.....1506 Sansom st., Phila.

## Soundings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co.....Bourse Bldg., Phila.

John B. Rulon.....1355 Colwyn st., Phila.

## Structural Slate.

William Moore Co.....1506 Sansom st., Phila.

## Structural Steel.

McCalla Co., The Harold....531 N. 4th st., Phila.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Surety Bonds.

Harris J. Latta.....Pennsylvania Bldg., Phila.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.

Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

McCalla Co., The Harold....531 N. 4th st., Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co.....Bourse Bldg., Phila.

John B. Rulon.....1355 Colwyn st., Phila.

## Tile and Terrazzo Work.

Belfi Bros. & Co.....1923 Market st., Phila.

French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

Italian Marble Mosaic Co...433 Spruce st., Phila.

Roman-Cianci Co., Inc...3428 Warren st., Phila.

William Moore Co.....1506 Sansom st., Phila.

## Tiling.

William Moore Co.....1506 Sansom st., Phila.

## Transits.

Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

## Ventilators.

Merchant & Evans Co.,  
2035 Washington ave.

## Water Paint.

Wm. B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Waterproofing.

The Barrett Co.....New York City and Phila.

## Water Supply.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Weather Strip (Metal).

American Metal Weather Strip,  
2118 Diamond st., Phila.

Thos. J. Malia.....141 Wentz st., Phila.

## Wheelbarrows.

The Fairbanks Co.....7th and Arch sts., Phila.

## Wire Work.

Audubon Wire Cloth Co., Inc.....Audubon, N. J.

Kensington Metal Co.....1612 N. 2nd st., Phila.



1792

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1919



## Insurance Company of NORTH AMERICA PHILADELPHIA

### ASSETS

|                                      |                        |
|--------------------------------------|------------------------|
| Bonds and Stocks.....                | \$24,280,745.19        |
| Cash in Banks.....                   | 2,395,335.33           |
| Premiums in course of transmission.. | 3,203,681.96           |
| All other Assets.....                | 921,650.92             |
| <b>Total .....</b>                   | <b>\$30,801,413.40</b> |

### LIABILITIES

|                                |                        |
|--------------------------------|------------------------|
| Capital .....                  | \$ 4,000,000.00        |
| Reserve for Reinsurance.....   | 12,217,808.92          |
| Reserve for Unpaid Losses..... | 4,594,236.33           |
| Reserve for Taxes.....         | 1,030,000.00           |
| Surplus .....                  | 8,922,516.93           |
| All other Liabilities.....     | 36,851.22              |
| <b>Total Liabilities .....</b> | <b>\$30,801,413.40</b> |

Surplus to Policyholders..... \$ 12,922,516.93  
Losses paid since organization 203,147,689.78

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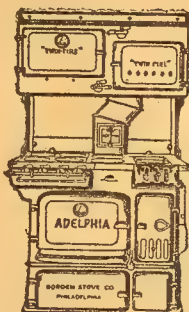
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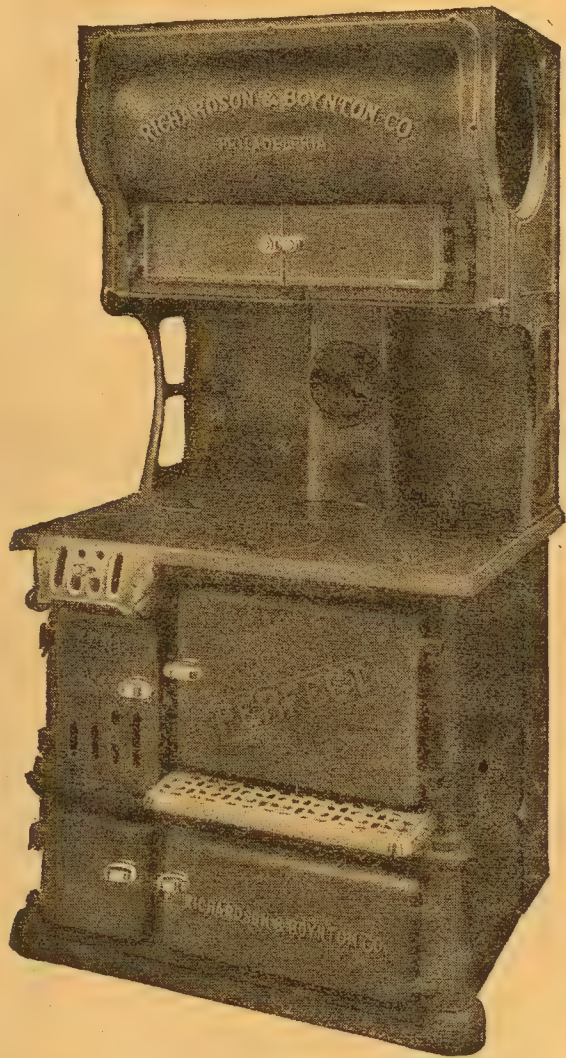
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 22  
May 28, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

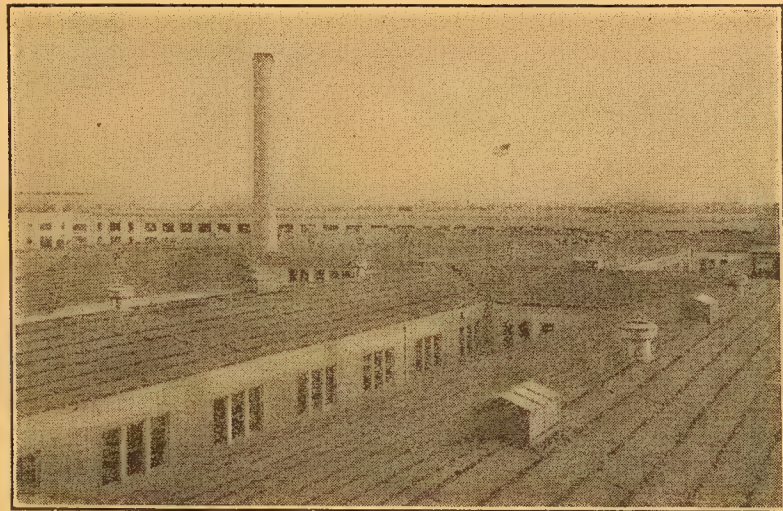
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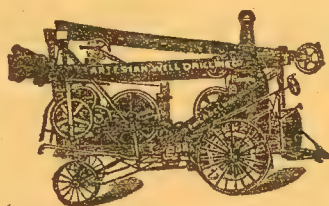
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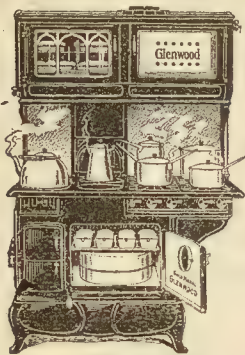
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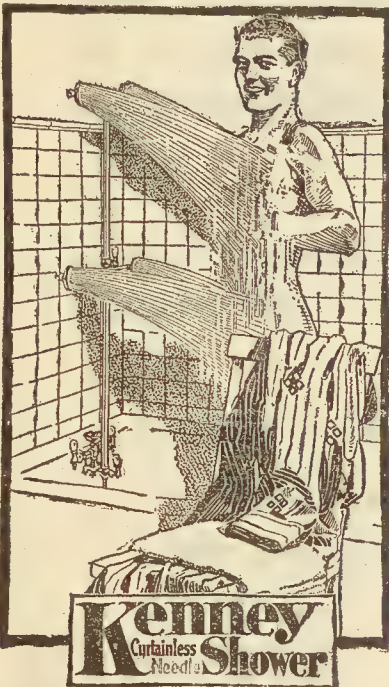


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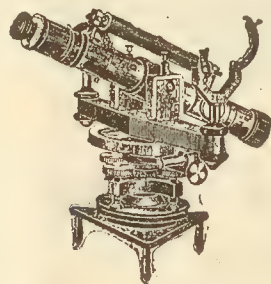
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 22

PHILADELPHIA  
May 28, 1919

## BUILDERS' GUIDE

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## As The Editor Sees It



**T**HAT the high prices brought about by the war are here for a somewhat protracted stay, must at last be admitted by the most unwilling mind. Industry has been greatly retarded because of the reluctance of the public to accept conditions and make the best of them. Some very interesting views on this vital subject are given in the *American Contractor* by John J. Arnold, Vice-President First National Bank of Chicago.

"That the United States of America ranks as one of the leading creditor nations," says Mr. Arnold, "if not the leading creditor nation of the world, is admitted by economists the world over. This position was thrust upon us with a suddenness which is almost startling. We are now trying to find our equilibrium. In our confusion many have come to the conclusion that we at the same time have come into the position of the world's banker.

From this attitude I personally dissent. The fact of the matter is we have come into the place of a creditor nation through a process which, if not unnatural, nevertheless must be considered as abnormal.

The United States prior to the outbreak of the war was a debtor nation to the extent of approximately six billion dollars. The accumulation of this obligation, however, covered a long period and, in fact, had its beginning from the early days of our independence.

When a nation imports more merchan-

dise than it exports, the difference between the two must be settled for from time to time either by the shipment of gold and silver or the giving of a promise to pay at a future date. These obligations or promises were represented by a mortgage on our farms and real estate and stocks and bonds against our industries.

Because the process was a gradual one European financiers and bankers found it possible to develop an investment clientele, which with us in our present condition, is almost entirely lacking, and until such a market has been created we cannot consider ourselves as ranking as the world's banker.

The situation which confronts us is serious, and it may be necessary that our Government accept from the European governments further government bonds or promises to pay for the interest which will be due from year to year.

It is desirable from every viewpoint that government financing should be discontinued at the earliest possible moment. Private enterprise should be stimulated by private financing, which will most quickly bring about deflation.

The high cost of commodities and labor, of course, is partly due to the increased demand for raw materials and the curtailment of production for peace purposes.

The world today is glutted with government securities, which include both bonds and the medium of circulation

known as currency, and the sooner we begin the process of reducing both the sooner can we figure on a lower cost of living.

From the standpoint of the student of economics, it is absolutely futile for peace industry to wait longer for pre-war commodity prices, and everything should be done to encourage the resumption of peace business, which alone can accomplish what we all desire.

In other words, the production of new wealth is absolutely essential for the reduction of costs. The normal way to reduce the price of wheat is through the farms producing a large quantity. That is to say, we must place the emphasis upon a greater production rather than upon consumption of commodities while in the field of governmental securities the opposite is the end to be accomplished.

Bankers, quite naturally, are interested in the growth of their deposits, and so long as such growth represents actual deposits the condition is a healthy one. Deposits, however, which are created through the making of loans cannot be considered of this character.

If a customer borrows \$100,000 from his bank and the amount is immediately placed to his credit, both the loans and the deposits of the institution have been increased an equal amount, but such a transaction does not represent added strength to the institution and if carried to the extreme may even prove disastrous. This is merely an illustration of

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what has taken place through the world in government financing.

The note of the borrower represents an obligation to make repayment at some future date against which he has been given a credit balance upon which to draw for present use. Such a transaction is perfectly legitimate, and when carried on within the limits of power to pay should not be considered dangerous. In the present world situation, however, government obligations or promises to pay have been created beyond the point of ability to reimburse within a stated period. Refunding, therefore, is but a natural consequence.

Aside from this, we must not forget the distinction between borrowing for constructive purposes and borrowing for purposes of destruction. When the customer of a bank borrows the \$100,000 he is doing so for the purpose of creating new assets, while most funds raised by government borrowing during the war have been expended for destructive purposes. In other words, the materials used for the carrying on of our war are largely of no real monetary value now.

The development of the natural resources of countries such as Russia, China, and the Americas, will make it possible for industrial countries, such as England, France and Germany to have a normal and healthy growth. Economy and savings will have to make proportionate contributions. This condition, however, is likely to follow as a natural result of taxation and the high cost of living.

These conditions forced upon the laboring classes or wage earners might, naturally, create a revulsion of feeling toward any one living in affluence and wealth or practicing extravagances. If, on the other hand, those who are the possessors of large private fortunes use the power which wealth has given them for the good of others this feeling naturally becomes modified. Under such circumstances riches do not necessarily become a curse. This applies to nations as well.

For America to serve as the world's leading creditor nation carries with it elements of great responsibility, as well as elements of great danger. The attitude of the outside world toward us is dependent largely upon how our power will be made use of.

The fundamental principle of democracy is to aid the other fellow, which will naturally react in benefits to the one who furnishes the aid. It should, therefore, be our aim to help rehabilitate the old world and put the devastated countries on their feet. It is estimated that the European nations will be called upon to pay us annually in-

terest amounting to approximately five hundred million dollars.

In my judgment, the United States could well afford to say to the European powers that this amount should be paid into a fund in Europe which we would expend for the rehabilitation of the devastated sections of the continent. This would mean that for the period of time required for the rebuilding of Europe we would be loaning our funds without interest.

I think it is generally admitted that the greatest investment which we as a country have ever made was when we remitted to China the amount of the Boxer indemnity. This has brought about an understanding between China and America and a relation of friendship which could not have been accomplished in so short a time in any other way.

A contribution such as I am suggesting would forever eliminate the charge of "dollar diplomacy" in our international life, but even aside from the harvest which we would be likely to reap in the spirit of friendship which would thus be created, I am confident that in the long run it would prove profitable even in dollars and cents.

\* \* \*

THE arguments set forth by Mr. Arnold apply very specially to the construction industries. No industry has been more curtailed by the war than that of building; and, as has been repeatedly demonstrated, curtailment of building at one period in the growth of a nation necessitates a great speeding up at some future time to overcome the deficiency of dwellings, factories, etc. High prices now prevailing in real estate are a direct result of this existing deficiency in homes.

Mr. Arnold points out the difference between expenditure for destructive and constructive purposes. Just as war is the foremost example of expenditure for destructive purposes, so agriculture and building stand first in the field as examples of constructive industry.

"Any practical builder," says Allen E. Beals in the *National Builder*, "should be an optimist today!

His profession has risen in importance. It has become a concern of the Government, and competes with agriculture as a necessity of life.

National authority is perplexed to find 600,000 homes this year, on a conservative estimate, for America's inhabitants.

Up to November 11, 1918, just five months ago, construction was almost completely barred. Only \$300,000,000 worth of building was allowed to proceed, outside of that required for war purposes. This \$300,000,000 worth of building for the entire country in eleven

months is equal to the construction work in a single large city for one year in normal times.

Since then up to April 1, construction has gone ahead, with projects amounting to \$250,000,000, indicating a total of \$600,000,000 worth of building work—supposing no further monthly gains are made.

But gains must be made for there is urgent need for three times that annual expenditure.

Pessimism must be banished by the builder himself. He must realize that the entire country is rising to meet the need for building—rising in even mightier power than it rose to meet the power of the Hun.

We are the richest people in the world today. We have to readjust things a little, and we are readjusting them rapidly. Prices and credit—money—have kept us thinking at cross purposes.

The trouble now is that instead of the fear that prices will go down in a few years and not leave the value in a building equal to that which was put into it, that prices will go up before projects can be started.

This sharp turn in the mental attitude of prospective builders has been met by the voluntary guarantee of manufacturers and material men that prices will not be advanced for a year.

The long-awaited for stabilization is here!

The builder's customer must be shown. He needs to learn from you the national demand that keeps the cost up where it is. He sees your estimate and then decides to wait. For what? Does he imagine that by waiting he will gain? If so he is unprofitably advised, unless he is prepared to wait for at least five years. He needs to know that immigration will be stopped, and that the labor that is leaving the country will keep costs up even more than the war itself.

But the big view—the one in which the Government is most concerned—is that which is presented by industry. A myriad mills are closed, and each day their doors and gates are locked labor has to be distributed elsewhere. This distribution is invariably toward the great cities. The greatest menace to building is in this condition; not from political sources, but from the increasing cost to the mill men to produce that which builders use in assembling structures. The exodus from mill centers puts a premium on the services of the men who stay and thus the figures of manufacturing costs show that the reduction in prices hoped for by the builder's customer cannot be realized for a long, long time—when everything else has come down also.

Opportunity is here! The builder need



not hesitate. National statistics prove that building is unleashed and is gaining headway for one of the most prosperous eras America has ever known.

It is up to the builder to take hold of the opportunity. To know it and—to realize it—and then go out and show his customer where he can turn his money faster in construction than by holding it in futile hopes of lower cost.

Prices have now been stabilized at rock-bottom figures."

\* \* \*

#### ARCHITECTURAL ETHICS.

The following code of ethics was adopted recently by the Federal Council of the Australian Institute of Architects, and is now being considered by the various State Institutes:

Clause 1. No member shall enter into partnership, in any form or degree, with any builder or contractor.

Clause 2. A member having any ownership or beneficiary interest in any building material, device, or invention proposed to be used on work for which he is architect, shall inform his employer of the fact of such ownership.

Clause 3. No member shall be a party to a building contract except as "architect" or "proprietor."

Clause 4. No member should guarantee an estimate or contract by personal bond.

Clause 5. It is unprofessional to advertise other than when changing address, and then for not more than six insertions, in any particular paper, giving name, address, profession, office hours, and special branch of practice desired.

The Institute does not object to members exhibiting the name and address of architect on a building in course of erection, providing that space occupied by name and address does not exceed five feet super.

Clause 6. It is unprofessional to solicit work or attempt to supplant an architect, after definite steps have been taken towards his employment.

Clause 7. It is unprofessional for a member to criticise in the public prints the professional conduct or work of another member, except over his own name, or under the authority of a professional journal.

Clause 8. It is unprofessional to furnish designs in competition for private or public work, unless for proper compensation, or to take part in any competition as to which the Council have declared by resolution that members shall not take part, because the conditions are not in accordance with the published "Suggestions for the conduct of Architectural Competitions," prepared by the Federal Council of the Australian Institute of Architects."

Clause 9. No member should submit drawings, except as an original contribution any duly instituted competition, or attempt to secure work for which such a competition remains undecided.

Clause 10. The scale of professional charges prepared by the Federal Council of the Australian Institutes of Architects, and adopted by the Institutes, represents minimum rates for competent service.

Clause 11. No member shall compete in amount of commission or offer to work for less than the scale of charges provided in Clause 10.

Clause 12. It is unprofessional to practice with an architect who has been expelled from, or who is not a member of a recognized Institute of Architects.

Clause 13. Members are not permitted to accept any trade or other discounts or give or accept any illicit or surreptitious commissions or emoluments in connection with any works the execution of which they may be engaged to superintend, or on which they may be employed in any capacity.

Clause 14. A member should so conduct his practice as to forward the cause of professional education and render all possible help to juniors, draughtsmen, and students.

—*The Architect and Engineer.*

\* \* \*

An experiment made by an Ohio city proves what an effect a model house may have on a local "Own-Your-Own-Home" campaign. The real estate board of the city selected a most attractive plan. This was quite out of the ordinary, in colonial style, the entrance being at the side through a portico, while the wide porch extended across one end, the outside chimney going up through it and affording an opportunity for an outside as well as an inside fireplace.

Most of the contractors and material men worked at cost. A number of builders and merchants made substantial donations. When the house was finished \$400 was spent in advertising, and one afternoon 5,000 persons went through the house, while as many more stopped to admire it from the outside. It was sold at a reasonable price, but at a profit, and, as a result of the demonstration in home building, many persons were interested to the point of taking steps to own their own homes.

This model house idea is suggested as a first-rate method of centering interest in a local campaign, for it affords a means of showing exactly what construction at present-day prices of material and labor, costs in a special place, and the house, inevitably much advertised, is readily sold.

—Ex.

#### PERSONAL NOTES

W. P. Cameron, for five years New Jersey sales agent for the Belmont Iron Works, and subsequently purchasing assistant for hull steel for the Emergency Fleet at Washington, upon discharge from the United States Navy, has opened offices in the Witherspoon Building, Philadelphia. Mr. Cameron is president of the W. P. Cameron Engineering Co., contractors and engineers for structural steel bridges and buildings, ornamental iron and steel of all descriptions.

Contractors should be prepared hereafter to offer bids on hangars, just as they would on ordinary garages. Some weeks ago ground was broken at the Ashburn Flying Field in Chicago for the hangars to serve as a receiving station for the Chicago-New York aerial mail, and to house the airplanes to be used in the service. With the return of the aerial forces from Europe the airplane will come into greatly increased use in both public and private service.

—Ex.

When you stop to consider that the Guide reaches every week and is read by architects, builders, building owners, contractors and sub-bidders in every branch of building construction, you must perceive its unique importance as a medium for advertising with an appeal to that class. Every copy reaches a live prospect.

#### Proposals

##### INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 21, 1919.—Sealed proposals will be opened in this office at 3 P. M. June 18, 1919, for furnishing and delivering at the site the materials required for the construction of the United States Post Office building at Clinton S. C., including materials for concrete, reinforced concrete, stone, granite, brick, structural terra cotta, structural steel, miscellaneous iron and steel work, composition roofing, slate roofing, sheet metal work, skylights, plastering, interior marble, sanitary slate, lumber, millwork, painting, glazing, hardware, plumbing, heating, electric work, etc. Bills of quantities and specifications may be obtained from the custodian of the site at Clinton, S. C., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., May 21, 1919.—Sealed proposals will be opened in this office at 3 P. M. June 18, 1919, for furnishing the labor required in the construction complete, with materials that will be furnished by the Government, of the United States Post Office Building at Clinton, S. C. Drawings and specifications may be obtained from the custodian of the site at Clinton, S. C., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Store and Apartments**, northeast corner of Fifty-second and Girard avenue, Philadelphia. Architects, Greisler Abramson Co., Inc., Lafayette Building, Philadelphia. Owner, Harry Lieberman, Colonial Trust Building, Philadelphia. Brick, 3 stories, 21x90 feet, slag roof, stone foundations, hot water heating, electric light, tile work. Plans in progress. Will take bids in about ten days.

**Manufacturing Building**, southeast corner of Fifteenth and Mt. Vernon streets. Architect, Le Roy B. Rothschild, 1225 Sansom st., Philadelphia. Owner, J. C. Kahn, Morris Building. Concrete and steel, 7 stories, 100x142 feet, slag roof, cement floors, stone and concrete foundations, steam heat, electric light, marble work, rolled steel sash, hollow metal skylights, roof ventilators, 2 elevators, pumps and sprinklers. Architect taking bids, due May 29th. A. R. Raff Cont. Co., 1635 Thompson street; Wm. R. Dougherty, 1610 Sansom street; John N. Gill & Co., Otis Building; Ketcham & McQuade, 1029 Brown street; Melody & Keating, 1322 Race street; Standard Const. Co., 1713 Sansom street; Hughes-Foulkrod Co., Commonwealth Building; Wark & Co., 1737 Filbert street, and Turner Const. Co., 1713 Sansom street, are figuring.

**Restaurant Building**, 116-118-120 South Thirtieth street, Philadelphia. Architect, Henry P. Schneider, 3713 Old York Road, Philadelphia. Owners, Boothby Hotel Co., 1225 Chestnut street, Philadelphia. Steel and brick (fireproof), 4 stories, tile and slag roof, cork tile floors, tile and marble work, gypsum tile, metal lath, 2 electric elevators, waterproofing, dampproofing, metal bulks, folding doors, hollow metal sash, mill work, steam heat, electric light, stone foundations (equipment reserved). Plans in progress. Architect will be ready for sub-bids about June 1st.

**Apartment House**, Forty-fourth and Walnut streets, Philadelphia. Architect, D. Knickerbacker Boyd, Otis Building, Phila. Owner, P. Teti, Tenth and Catherine streets. Brick, 3 stories, slag roof, pine floors, stone foundations, hot water heat, electric light, tile and marble work. Architect has received bids.

**Store and Apartments (alts.)**, 9 South Sixteenth street, Philadelphia. Architect, Robt. W. Pollock, 1802 Chestnut street, Philadelphia. Owner, Frank L. Tartaglia, on premises. Terra cotta and brick, general alterations, 9 bath rooms, steam heat, electric lighting. Plans in progress. Will be ready for bids in one week.

**Residences and Garages (8)**, Lincoln Drive and McCallum street, Germantown. Architect, private plans. Owner, James N. Mitchell, Forty-sixth and Market streets, Philadelphia. Stone, 3 stories, slate roof, oak floors, stone foundations, hot water heat, electric light, tile and marble work. Work contemplated. Approximate sub-bids will be taken.

**Residences (52)**, 2700-2752 and 2701-2753 South Cleveland avenue, \$114,400. Architect,

private plans. Owner, Frederick S. Park, 230 South Forty-sixth street, Philadelphia. Brick, 2 stories, 15½x39 feet, 11x11 feet and 15½x40 feet, slag roof, hot air heat, pine floors. Owner will build.

**Residences (27)**, Eighth and Ruscomb sts., \$108,500. Architect, private plans. Owners, Klauss & Baxter, 5715 Ashland street, Philadelphia. Brick, (1) 15x41½ feet and (26) 15x26 feet, 12½x17 feet, slag roof, hot water heating, pine floors and oak floors. Owner will build.

**Dwellings (10)**, Oakley street, south of Princeton street, \$42,000. Architect, private plans. Owner, J. Charles Yundt, 301 Tabor Road. Brick, 2 stories, 20x26 feet, slag roof, hot water heating. Owner will build.

**Garages**, Budd and Westminster avenue, \$3,000. Architect, private plans. Owner, J. Sostman, 526 South street, Philadelphia. Brick, 1 story, 17x18 feet, slag roof, cement floor. Owner will build.

**Residence and Garage**, Wakeling and Oakland streets. Architects, Lachman & Murphy, Drexel Building, Philadelphia. Owner, Chas. Stewart, Frankford, Philadelphia. Brick and stone, 2 and 1 stories, 18x57 feet and 16x20 feet, slate roof, pine floors, stone foundations, hot air heating, electric lighting, tile work. Architects taking bids, due May 29th. Hogg Const. Co., 1634 Sansom street; Rush Bros., 1100 Fillmore street; West & Co., Frankford, Philadelphia; John Davies, 1021 Herbert st., and George Osborne, 5071 Duffield street, are figuring.

**Convent and School (alts. and add.)**, 334 Haines street, Germantown. Architect, H. G. Hammer, 808 North Seventeenth street, Philadelphia. Owner, Our Lady of the Rosary Italian R. C. Church, care of Rev. Peter Montieni, on premises. Brick, three-story addition, 26x28 feet, slag roof, yellow pine floors, stone foundations, electric light, plumbing, changing partitions. Architect will build and is taking sub-bids.

**Garage**, 4377 Manayunk avenue, Philadelphia. Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, John Regetta, on premises. Brick, 1 story, 28x32 feet, slag roof, cement floors, stone foundations, steam heat, electric light. Architect will take bids in a few days.

**Dwellings (12)**, between Divinity and Fifty-first street on Springfield avenue, \$74,000. Architect, private plans. Owners, Steltz & Maloney, 1208 Chestnut street, Philadelphia. Brick, 2 stories, 16x40 feet, 13x15 feet, 16x55 feet, slag roof, hot water heat, electric lighting, tile work, oak and pine floors. Owners will build.

**Dwellings (39)**, Tioga and F streets, Philadelphia, \$129,200. Architect, private plans. Owner, Samuel J. Kennedy, 3105 F street, Philadelphia. Brick, 15x42 feet and 15x30 feet, 12x12 feet, slag roof, hot water heating, electric lighting. Owner will build.

**Office Building (alts. and add.)**, 204-06-08 South Fifth street, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Home Life Insurance Co., on premises. Architects taking bids, due May 29th at noon. Henry C. Dahle, 231 South Eighth street; E. E. Hollenback, Inc., 1804 Brandywine street; F. D. Davis, 240 North Sixteenth street; Robert E. Lamb Co., 843 North Nineteenth street; Sutton & Stephenson, 1317 Washington avenue; Ketcham & McQuade, 1029 Brown street, and Wm. J. Gruhler Co., 219 High street, are figuring.

**Forge Shop**, 1624-30 North Ninth street, Philadelphia. Architect, private plans. Owner, P. H. McGookin, 1630 North Ninth street. Brick and steel, 1 story, 90x90 feet, composition roof, pine floors, stone foundations. Owner has received bids.

**Dwellings (19)**, Church lane, Lambert street, Twenty-first street, \$61,500. Architect, private plans. Owners, Ira K. Davis, Twentieth and Spencer streets, Philadelphia. Brick, 2 stories, 29x30 feet, 16x45 feet, 9x11 feet, 16x30 feet, 10x13 feet, 33x43 feet, 22½x16½ feet, 16x22½ feet, 16x30 feet, 10x13 feet, slag roof, hot water heat, electric lighting, pine and oak floors. Owner will build.

**Elevated Stations (4)**, Somerset street and Allegheny avenue, Frankford Elevated. Architect, private plans. Owner, City of Philadelphia, Department of City Transit, Merishon Building. Brick, steel and reinforced concrete, terra cotta, etc. Owners taking bids due May 29th at noon. Bowden Const. Co., 1713 Sansom street; William R. Dougherty, 1610 Sansom street; Standard Const. Co., 1713 Sansom street, are figuring.

**Dwellings (12)**, Friendship street, West of Rising Sun lane (8), St. Vincent street, West of Oakley street (4), Philadelphia, \$38,000. Architect, private plans. Owner, Michael Stevens, 916 St. Vincent street. Brick, 2 stories, 14½x22 feet, 11½x18 feet and 15½x40 feet, slag roof, hot water heating, electric lighting. Owner will build.

**Residence (alts.)**, 2017 Walnut street, Philadelphia. Architect, Alfred Lewis Ward, Stephen Girard Building, Philadelphia. Owner, name withheld. Brick, 2 stories, plastering, mill work, glazing, painting. Architect has received bids.

**Store**, Ambler, Pa. Architect, Edwin G. Brumbaugh, Real Estate Trust Building, Philadelphia, Pa. Owner's name withheld. Brick and limestone, 2 stories, 22½x55 feet, slag roof, pine floors, steam heat, electric light. Plans in progress.

**Garage (add.)**, 942 Porter street, \$4,000. Architect, private plans. Owner, A. Kaplan, 4860 Parkside avenue, Philadelphia. Brick, 1 story, 60x93 feet, slag roof, cement floor, electric light. Owner will build.

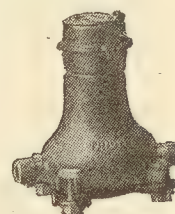
**Dwellings (10)**, 7000-7018 Elmwood avenue, \$67,000. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner,



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PHILADELPHIA

Daniel E. Hogan, 6043 Columbia avenue. Brick, 2 stories, 16x47 feet, 12x12 feet, slag roof, hot water heating, hardwood floors, tile work. Owner will build.

**Residences (18)**, South side of Nassau street, West of Sixtieth street, \$94,400. Architect, private plans. Owner, James N. Mitchell, Forty-sixth and Market streets, Philadelphia. Brick, 2 stories, 16x45 feet (garages in basements), slag roof, hardwood floors, hot water heating, combination lighting, tile and marble work. Owner will build.

**Sub-basement and Basement**, Philadelphia Art Museum, Parkway, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Commissioners of Fairmount Park, 127 City Hall. Concrete and steel, irregular size, 500 feet long, excavation, grading, concrete and steel work, waterproofing, reinforced steel. Owners are taking bids due June 4th at noon. I. K. Davis, Church and Woodstock streets; Warren-Moore Co., Colonial Trust Building; Edw. Fay & Son, 2 South Mole street, and Standard Const. Co., 1713 Sansom street, are figuring.

**Garage and Apartments (alts.)**, 1414 North Fifteenth street. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Dr. J. L. Manasses, 1534 North Fifteenth street, Philadelphia. Brick, 2 and 1 stories, 17x44 feet, composition roof, oak floors, electric light, tile work, stone foundations. Architect taking bids due May 31st at 11 A. M. J. Sims Wilson Co., 1125 Brown street; B. Bornstein, 1510 North Franklin street; E. E. Hollenback, Inc., 1804 Brandywine street; F. B. Davis, 240 North Sixteenth street; Smith-Hardican Co., 1606 Cherry street, are figuring.

**Schools (14) (alts.)**, various locations, Philadelphia. Architect, private plans. Owner, Board of Education, care of W. H. Cassell, Superintendent of Building Com., Nineteenth, above Chestnut street, Philadelphia. Mill work, enlarging windows, iron work, hollow tile, cut stone, plastering, pine floors. Owners taking bids due June 4th. E. C. Durell, 1615 North Twenty-fourth street; Mitchell Bros., 2125 Race street; Bowden Cons. Co., 1713 Sansom street; J. H. Jordan, Thirty-first and Oxford streets, are figuring.

**Residences (73)**, Sixteenth to Seventeenth

and Moyamensing avenue, Philadelphia. Architect, private plans. Owner, C. M. Weild, 2316 South Broad street, Philadelphia. Brick, 2 stories, 15x50 feet, slag roof, stone foundations, hot water heat, electric light, tile work. Owner is taking sub-bids.

**Residences (120)**, Twentieth to Twenty-first streets, Snyder to Passyunk avenues. Architect, private plans. Owner, Burton C. Simon, Nineteenth and Jackson streets, Philadelphia. Brick, 2 stories, 15½x55 feet, slag roof, stone foundations, hot water heat, electric light, tile and marble work, parquet floors. Owner will build.

**Storage and Loading Building**, Tioga and Belgrade streets, Philadelphia. Owner, William T. Gould, 2814 Belgrade street, Philadelphia. Architects, Tunis & Genther, Real Estate Trust Building, Philadelphia. Concrete, 2 stories, 48x80 feet, electric lighting, metal lath, rolled steel sash, dampproofing, iron work, concrete foundations (heating and roofing reserved). Architects taking bids due June 2nd. E. C. Durell, 1713 North Twenty-fourth street; A. R. Raff Cont. Co., 1635 Thompson street; J. Sims Wilson Co., 1125 Brown street; Golove & Lewis, Real Estate Trust Building, are figuring.

**Residence**, Fifty-fourth and Sherwood road, Philadelphia. Architect, Frank Seeburger, Weightman Building, Philadelphia. Owner, Clayton M. Hunsicker, 469 State road, Wynnefield, Philadelphia. Stone, 2½ stories, 27x54 feet, slate roof, oak floors, vapor heat, electric light, tile work (lighting fixtures reserved). Architect taking bids due May 31st. Wills-Ludwick Co., 1708 Sansom street; E. J. Hedden, Finance Building; J. E. Kearney, 34 South Seventeenth street; M. W. Young, Overbrook, Pa., and J. Howard Roberts, Lansdowne, Pa., are figuring.

**Residence**, Germantown, Philadelphia. Architects, Mellor, Meigs & Howe, 249 South Juniper street, Philadelphia. Owner, R. C. McCracken, Morris Building, Philadelphia. Stone, 2½ stories, 30x50 feet, shingle roof, oak floors, hot air heat, electric light, tile and marble work. Owner taking bid from R. C. Ballinger & Co., 218 North Thirteenth street (only bidder).

**Residence and Garage**, Fifty-second and

Overbrook avenue, Wynnefield, Philadelphia. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, Frank B. Heyburn, 5902 Carpenter street, Philadelphia. Stone, 2½ stories, 31x44 feet, wing 16x21 feet, garage, 1½ stories, 23x29 feet, slate roof, hot water heating, electric lighting, tile and marble work, oak floors, cement work. Architect taking bids due June 2nd at noon. H. E. Grau Co., 1707 Sansom street; R. C. Ballinger, 218 North Thirteenth street; I. A. Dunkelberger, 71 East Herman street; Winfield Baxter, 1509 North Fifteenth street; J. E. Kearney, 34 South Seventeenth street; John T. Myers, Jr., & Co., 2137 Ridge avenue, and William C. Wright, 22 Harvey street, are figuring.

**Residence (alts. and add.)**, 1809-11 Spruce street, Philadelphia, \$20,000. Architects, De Armond, Ashmead & Bickley, Franklin Bank Building. Owner's name withheld. Brick, 3 stories, slag roof, oak floors, hot water heat, electric light, tile and marble work, fire escapes. Plans in progress. Architects will sub-let.

**Parsonage**, Wissinoming, Philadelphia. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owner, Wissinoming M. E. Church, care of Rev. George Warner, 3216 Benner street, Wissinoming, Philadelphia. Stone, 3 stories, 26x50 feet, slate roof, pine floors, stone foundations, steam heat, electric light, tile and marble work. Architect taking bids, due June 9th. Calvin Kahler, Edw. T. Benner, Torresdale avenue; Antone Ahlers, 3425 Howell street; Samuel S. Wilmer, 3211 Comley street, all of Wissinoming, Philadelphia, and Rush Bros., 1100½ Fillmore street, Frankford, Philadelphia, are figuring.

**Residences (24)**, Fifty-third and Warrington avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Chas. E. Biddle, 1105 Real Estate Trust Building, Philadelphia. Brick, 2 stories, 15x42 feet (garages in basement), slag roof, oak and cement floor, hot water heat, combination light, tile work. Owners are ready for sub-bids.

**Stores and Dwellings (3) and Store and Office Building (1)**, northwest corner of Second and South streets, Philadelphia. Architect, E.



# Elevator Enclosures

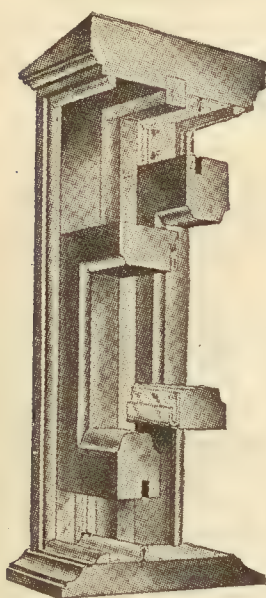
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Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, I. Milgram, Commonwealth Building, Philadelphia. Brick, 3 stories, 20x60 feet, slag roof, pine floors, hot water heat, electric light. Owner will be ready for sub-bids in a few days.

Residences (2), alts. to Apartments, 6133-35 Germantown avenue. Architect, private plans. Owner, John F. Conlin, 5340 Germantown avenue. Stone, 3 stories, 20x70 feet, slag roof, pine floors, stone foundations, hot water heat, electric lighting. Owner taking sub-bids, due May 31st.

Tunnel for Pipe, Spec. 3879, Navy Yard, Philadelphia. Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Navy Department Washington, D. C. Reinforced concrete, 8x8 feet, 1485 feet long, electric light, waterproofing, steel and iron

work. Lowest bid submitted by E. C. Fish Co., Real Estate Trust Building, \$90,275, 120 days.

Residence, Lincoln Drive and Carpenter st., \$20,000. Architect, Paul L. Kamper, Widener Building, Philadelphia. Owner's name withheld. Stone, 2½ stories, 40x64 feet, slate roof, oak floors, stone foundations, hot water heat, electric light, tile and marble work. Architect will take sub-bids.

Residences (25), Sixty-fifth and Kingsessing avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Geo. C. Allen & H. C. Reed, Crozer Building, Philadelphia. Brick, 2 stories, 16x39 feet, slag roof, oak floors, hot water heat, combination light, tile work. Owners taking sub-bids.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Manufacturing Building, 1220-22-24 Sansom street, \$230,000. Engineer, P. M. Sax, Franklin Bank Building, Philadelphia. Owners, Bailey, Banks & Biddle, 1218 Chestnut street, Philadelphia. Reinforced concrete, brick and steel, 12 stories, 43x80 feet, slag roof, rolled steel sash, cement floors, slate toilets, (2) elevators (steam heat, electric light and plumbing, separate bids). Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Factory (alt. and add.), 114 North Front street, \$12,000. Architect, private plans. Owner, G. E. Wetherill Paint Co., on premises. Brick, 30x65 feet, 20x70 feet, 6x15 feet and 19x72 feet, third, first and second floor add., composition roof, pine floors, rolled steel sash and skylights, fire doors, fire towers, iron work (heat and light reserved). Contract awarded to H. H. Wehmeyer, 509 West Cumberland street.

Residence, Overbrook avenue, West of Fifty-eighth street, Philadelphia, \$7,500. Architect, private plans. Owner, Charles P. Vaughn,

230 West Susquehanna avenue, Philadelphia. Brick and hollow tile, 2 stories, 28x30 feet, slate roof, hot air heating, electric lighting, tile work, oak floors. Contract awarded to Alfred James, Bala, Pa.

Store (alts.), 1522 Chestnut street, Philadelphia, \$4,000. Architect, private plans. Owners, Kayser & Allman, on premises. General interior alterations, mill work, partitions, etc. Contract awarded to John N. Gill & Co., Otis Building, Philadelphia.

Store (alts.), 110 South Fifty-second street, Philadelphia, \$3,300. Architects, Greisler & Abramson, Lafayette Building, Philadelphia. Owner, Harry Rosen, care of architect. Contract awarded to J. Gorehov, 4116 Girard avenue.

Dwellings (2), Tyson street and Ditman street, \$6,000. Architect, private plans. Owner, T. W. South, City Hall, Philadelphia. Brick, 2 stories, 16½x42 feet, slag roof, hot air heating. Contract awarded to J. Edwin Mattis, 4412 Wingohocking street.

Residence, Oxford pike, North of Harrison

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# HEATING

## BOWERS BROS. & CO.

1629 Ludlow Street

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street, \$10,000. Architect, private plans. Owner, William G. Diamond, 3600 Frankford avenue, Philadelphia. Brick, 2 stories, 20x53 feet, hot water heating, electric lighting, oak floors, tile work. Contract awarded to D. W. O'Dea, 5227 North Fifth street, Philadelphia.

**Garage**, Musgrave and Maryland streets, \$6,000. Architect, private plans. Owner, Theo. Ulmer, 500 East Washington lane. Brick, 2 story, 23x100 feet, slag roof, cement floor, for (8) cars. Contract awarded to Samuel Harting, 20 East Johnson street, Germantown.

**Store Building (alts.)**, 2315 Walnut street, \$2,000. Architect, Le Roy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, J. J. Greenberg, Morris Building, Philadelphia. Tile and marble work, hardwood floors, hot water heat, plumbing. Contract awarded to S. Yellin, 3125 Montgomery avenue, Philadelphia.

**Garage**, Mt. Airy, Philadelphia, \$3,000. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, Herbert T. Morris, 385 Gowen avenue, Mt. Airy. Stone, 1½ stories, 18x22 feet, slate roof, cement drive, electric lighting, plumbing. Contract awarded to Joseph F. Myers, Jr., Co., 1237 Ridge avenue.

**Building (alts.)**, 1030 Chestnut street, Philadelphia, \$4,000. Architects, Hoffman Co., Finance Building, Philadelphia. Mill work, electric lighting, painting, glazing. Contract awarded to Ketcham & McQuade, 1029 Brown street. Owner, W. S. Harris, care of architect.

**Store and Garage**, 2212 Market street, \$7,500. Architect, private plans. Owner, Oelschlager & Kraft, 2230 Market street, Philadelphia. Brick, front 2 stories, 14x47 feet, rear 1 story, 14x49 feet, slag roof. Contract awarded to Edw. Cunningham, 2214 Chestnut street, Philadelphia.

**Greenhouse and Garage**, Wissahickon avenue and Hortter street, \$4,000. Architects, Rankin, Kellogg & Crane, 1012 Walnut street, Philadelphia. Owner, John Bromley, on premises. Brick, 1 story, 14x20 feet and 23x28 feet, slate roof, cement work, stone foundations, hot water heat, electric light. Contract awarded to F. A. Havens Co., 845 North Nineteenth street, Philadelphia.

**Garage**, 1518-20-22 Cayuga street, Philadelphia, \$17,000. Architect, private plans. Owner, Sadie Leubarsky, 2015 North Fifth street, Philadelphia. Brick, 1 story, 50x200 feet, slag roof, cement floor, electric lighting, steam heating. Contract awarded to Fox Bros., 4814 North Broad street, Philadelphia.

**Dwelling**, Fairhill street, South of Sixty-fourth avenue, \$7,500. Architect, private plans. Owner, G. W. Grove, 600 North Eighth street, Philadelphia. Brick, 2 stories, 25x39 feet, slag roof, hot air heating, electric lighting, tile work, oak floors. Contract awarded to C. E. Lloyd, Jr., 6600 North Eighth street, Philadelphia.

**Barracks (Extension)**, Frankford Arsenal, Philadelphia. Architect, private plans. Owners, U. S. Government, Frankford Arsenal, Philadelphia. Brick, 2 stories, 25x32 feet, slate roof, cement and yellow pine floors, concrete foundations, hot water heat, electric light, waterproofing, iron work, screens. Contract awarded to Monaghan & Losse, Inc., 3026 Chestnut street.

**Synagogue**, Larchwood and Salford street, Philadelphia, \$30,000. Architect, J. E. Fieldstein, Penfield Building, Philadelphia. Owner, Congregation of Chevreh Lenas Hazedeck, care of A. Wernick, Bailey Building. Brick and stone, 1 story, 65x80 feet, stone foundations, slag roof, composition and cement floors, steam heat, electric light, metal lath, art stone. Contract awarded to E. E. Hollenback, Inc., 1804 Brandywine street.

**Building (alts.)**, southwest corner of Fifteenth and Market streets. Architects, Stew-

ardson & Page, 316 Walnut street, Philadelphia. Owner, Harrison Building, Fifteenth and Market streets. Stone and terra cotta, mill work (heat, light and plumbing reserved). Contract awarded to Hogg Const. Co., Denckla Building, Philadelphia.

**Stores and Residences (8)**, 427-35 South Sixtieth street, \$6,000 each. Architect, F. E. Fieldstein, Penfield Building. Owner's name withheld. Brick, 2 stories, 18x55 feet, slag roof, electric light, general alterations. Contract awarded to A. Sonnenfeld, 287 South Sixty-third street, Philadelphia.

**Warehouse**, 1016-18 North Marshall street, Philadelphia, \$26,000. Architect, private plans. Owners, Stern & Rosenberg, Marshall and Girard avenue. Brick, 4 stories, 36x87½ feet, slag roof, steam heat, electric light, pine floors, metal lath. Contract awarded to H. W. & M. A. Green, 990 North Marshall street.

## PENNSYLVANIA

## Construction News

**Residence (alts.) to Apartments**, Lansdowne, Pa. Architect, R. Brognard Okie, Crozer Building, Philadelphia. Owner, H. A. Bauer, 18 South Lansdowne avenue, Lansdowne, Pa. Changing residence into apartments. Plans completed. Owner will take bids.

**Residence**, Drexel Hill, Pa. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, Herbert Collier, Drexel Hill, Pa. Timber and rough cast (2 family), 36x43 feet, asbestos shingle or green slate roof, stone foundation, hot water heat, electric light, tile work, oak floors. Owner taking bids. R. C. Ballinger, 218 North Thirteenth street, and Winfield Baxter, 1509 North Fifteenth street, are figuring.

**Residence**, Swarthmore avenue, Ridley Park, Pa. Architect, private plans. Owner, William Wright, care of builder. Stone and plaster, 2½ stories, 37x39 feet, shingle roof, oak and pine floors, stone foundations, hot water heat, electric light, tile work, metal lath, iron work. John M. Yardley, 1716 Sansom street, is taking sub-bids.

**Residence**, Brookline, Pa. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, Louis Fretz, care of architects. Frame and stucco, 2½ stories, 30x40 feet, shingle roof, oak floors, stone foundations, hot water heating, electric lighting, tile work. Architect taking bids due June 5th at noon. Eugene Tourison, 20 Westview street; Warren E. Biscoe, Fortieth and Ludlow streets; E. F. Bahls, Inc., 1707 North Thirteenth street,

Philadelphia, and Joseph E. Schuele, Brookline, Pa., are figuring.

**Residence (alts. and add.)**, Lansdowne, Pa. Architect, Jesse T. Hoekstra, 430 Walnut street. Owner, Ayres McKissick, Lansdowne, Pa. Stucco and cut stone, 2 stories, 16x35 feet, shingle roof, pine floors, electric lighting, tile work, mill work, iron work (heating, plumbing and lighting fixtures reserved). Architect taking bid from Wills Ludwick Co., 1708 Sansom street, due as soon as possible.

**Residence and Garage**, Latham Park, Pa. Architect, Conrad F. Neff, Otis Building, Philadelphia. Owner, John G. Williamson, Ogontz, Pa. Stone, 2½ stories, 35x70 feet, garage, 2 stories, 23x33 feet. Architect taking bids due June 2nd. W. John Stevens, Inc., Wyncote, Pa.; Specht & Sperry, Heed Building; E. R. Hall, 34 South Seventeenth street; John N. Gill Co., Otis Building; William J. Gruhler & Co., 219 High street; P. Haibach Cont. Co., Twenty-sixth and Thompson streets, and William Steele & Sons Co., Sixteenth and Parkway, additional bidders.

**House (alt.) to Apt.**, 842 Green street, Reading, Pa. Architect, C. Young, 520 Washington street, Reading, Pa. Owner, M. Sehniederma, on premises. Brick, 3 stories, general interior alterations. Owner will take general bids.

**Residence**, Strausstown, Pa. Architect, C. Young, 520 Washington street, Reading, Pa. Owner, G. C. Hicks, Strausstown, Pa. Stone, 2½ stories, 36x36 feet, slate roof, hardwood



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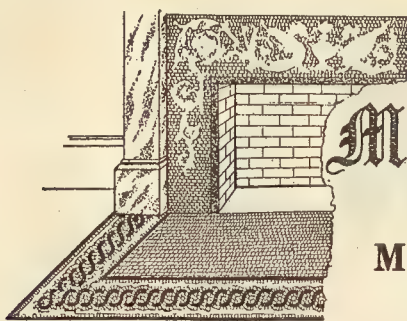
floors, hot water heat, electric light. Owner is taking sub-bids.

**Residence**, Strausstown, Pa., \$8,000. Architect, C. Young, 520 Washington street, Reading, Pa. Owner, H. W. Anthony, Strausstown, Pa. Stone, 2½ stories, 36x36 feet, asbestos shingle roof, hardwood floors, hot water heat, electric light, tile work. Owner taking sub-bids.

**Residences (2)**, Reading, Pa., \$25,000. Architect, E. Z. Scholl, 136 Robinson street, Reading, Pa. Owner, Milton Hollis, Franklin street, Reading, Pa. Brick, 2½ stories, 35x53 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Owner is taking bids.

**Apartment House (alt.)**, 702 North Fifth street, Reading, Pa. Architect, C. Young, 520 Washington street, Reading, Pa. Owner, Mrs. G. H. Yocam, 702 North Fifth street, Reading, Pa. Brick and stone, 3 stories, general interior alterations. Owner has received bids.

**Fernwood Mansion (alts.)**, Fernwood, Pa.



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Architect, Jesse T. Hoekstra, 430 Walnut street, Philadelphia. Owner, William Lipkin, 1209 Arch street, Philadelphia. Brick and stucco, 3 stories, tile roof, pine floors, electric lighting, tile work, metal ceilings, fire escapes, steel and iron work (plumbing and heating reserved). Architect has received bids.

**Church (alt.)**, Ninth street, near Walnut street, Reading, Pa. Architect, Muhlenberg Brothers, 511 Penn street, Reading, Pa. Owner, St. Paul's Church, care of Rev. Morris Borneman, Reading, Pa. New front office, vestibule, interior alterations, tile and marble work. Architect taking bids due May 29th. D. H. Hunter, C. D. Schegal, Beard Const. Co. and Sharp Const. Co., Reading, Pa., are figuring.

**School (alt. and add.)**, Lebanon, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Lebanon School District, Lebanon, Pa. Brick, 2 stories, slate roof, pine floors, hot air heat, plumbing. Architect has received bids.

**Bank**, Teesport, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, First National Bank, care of Samuel Deck, Teesport, Pa. Brick and limestone, 1 story, 32x60 feet, slag roof, tile and maple floors, vapor heat, electric light, marble work, metal window guards, bank fixtures. Board taking bids due June 2nd. H. A. Foelt & Son, Beard Const. Co., Reading, Pa.; Gordon Nadle, Pottsville; W. J. Elliott, Coatesville, and Charles Schlegal, Reading, Pa., are figuring.

**Church, Sunday School and Parsonage**, Juniata, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, St. John's Lutheran Church, care of Rev. E. R. Hauser, on premises. Brick and Indiana limestone, 1 story and basement, 76x79 feet, parsonage, 2½ stories, 26x38 feet, concrete foundations, slate roof, yellow pine floors, vapor heat, electric light. Plans about completed. Owner will take bids.

**Grade Schools (2)**, Williamsport, Pa., \$300,000. Architect, E. E. Joralemon, Buffalo, N. Y. Owner, Williamsport Board of Education, care of Edward L. Taylor, president, Fourth and William streets, Williamsport, Pa. Plans in progress. Will take bids about June 15th.

**Residence**, West Reading, Pa. (4). Architect, E. Z. Scholl, 136 Robinson street, Reading, Pa. Owner, Mr. Ed. Ruth, Sixth and Penn streets, Reading, Pa. Brick, 2½ stories, stone foundations, slate roof, wood floors, hot water heat, electric light. Plans in progress.

**Apartment (alt.)**, Reading, Pa. Architect, E. Z. Scholl, 136 Robinson street, Reading,

Pa. Owner, Parris Hildebrant, Madison street, Reading, Pa. General interior alterations. Plans in progress.

**Factory**, Slatington, Pa. Architect, E. Z. Scholl, 136 Robinson street, Reading, Pa. Owner, name withheld. Reinforced concrete, 1 story, 50x260 feet, composition roof, reinforced concrete floors, electric light, hollow metal sash, metal window frames. Plans in progress.

**Barn**, Hellertown, Pa. Architect, private plans. Owner, Louis Gross, R. F. D. No. 2, South Bethlehem, Pa. Stone, 1 story, 38x84 feet, stone foundations. Owner will take bids in a few days.

**Store**, Fifth and Penn streets, Reading, Pa., \$4,000. Architect, C. Young, 542 Washington street, Reading, Pa. Owner, American Cigar Store Co., on premises. New store front, plate glass and interior alterations. Architect taking bids. Beard Const. Co., D. H. Hunter, W. A. Shoppes, L. H. Foelt & Son, all of Reading, are figuring.

**Garage**, 419 Spring street, Reading, Pa. Architect, C. Young, 542 Washington street, Reading, Pa. Owner, A. W. McKently, 916 North Fifth street, Reading, Pa. Brick and stucco, 1 story, 22x40 feet, stone foundations, slag roof, concrete floors, electric light. Owner will take bids.

**Residence (alt.) to Auto Room and (2) Apts.**, Chester, Pa. Architect, C. B. Deer, Crozer Building, Chester, Pa. Owner, care of architect. Brick, 3 stories, interior alterations, plumbing, new plate glass front, tile work. Plans in progress.

**House**, Parkside, Chester, Pa. Architect, C. B. Deer, Crozer Building, Chester, Pa. Owner, William F. Schwalen, Chester, Pa. Frame, 2 stories, 26x29 feet, shingle roof, hardwood floors, pipeless heating, electric lighting. Plans in progress.

**Bungalow**, Parkside, Chester, Pa. Architect, C. B. Deer, Crozer Building, Chester, Pa. Owner, Mr. F. W. Reed, 605 Crozer Building, Chester, Pa. Frame, 2 stories, irregular size, shingle roof, hardwood floors, pipeless heating, electric lighting. Plans in progress.

**Knights of Columbus Building**, Ninth and Welsh streets, Chester, Pa., \$75,000. Architect, Clarence Brazer, Crozer Building, Chester, Pa. Owner, care of architect. Stone, 3 stories, 60x60 feet, stone foundations, tile roof, electric light. Plans in progress. Will take bids in ten days.

**Club House**, 511 Welsh street, Chester, Pa., \$200,000. Architect, C. Brazer, Crozer Building, Chester, Pa. Owner, T. Wallison, 12 East Fifth street Philadelphia. Brick, 4 stories, 67x111 feet, 1 story, marble, tile roof,

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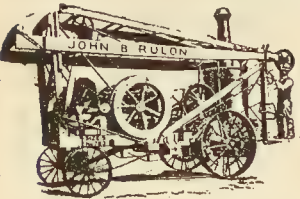
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**Garage**, Fourteenth and Howard streets, Harrisburg, Pa. Architect, not yet selected. Owner, Overland-Harrisburg Co., Harrisburg, Pa. Brick and concrete, 1 story, 140x212 feet, slag roof, cement floors, electric lighting. Work contemplated.

**Bungalow**, Oakmont, Delaware County, Pa. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, name withheld. Hollow tile and stucco, 1½ stories, 30x50 feet, shingle roof, pine and oak floors, tile foundations, hot water heat, electric lighting, tile work. Architects will take bids in ten days.

**Residence**, Glenside, Pa. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, Joseph Titherington, Godfrey and Lambert streets. Stucco, 2½ stories, 24x36 feet, shingle roof, pine floors, hollow tile, stone foundations, hot water heat, electric light. Architect taking approximate bids due as soon as possible from Wills-Ludwick Co., 1708 Sansom street, and M. E. Hauser, Glenside, Pa.

**Garage (alts.)**, Elkins Park, Pa. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owner, Louis Wolf, Elkins Park, Pa. Mill work, sheet metal work, plumbing, hardware, plastering, painting, slate roof, pine and canvas floors. Architects taking bids.

**Warehouse and Garage**, Ogontz, Pa. Architect, F. Ferdinand Durang, 1225 Locust street, Philadelphia. Owner, Commissioners of Cheltenham Township, Ogontz, Pa. Architect taking bids due June 2nd. Raith Const. Co., 304 Master street; Conneen Const. Co., 1737 Filbert street; E. Allen Reeves, Abington, Pa.; Pringle Borthwick, 8018 Germantown avenue, Philadelphia; J. M. Yardley, 1716 Sansom st., additional bidders.

**Residence**, Sedgwick Farms, Pa. Architect, Ashton S. Tourison, 7014 Boyer street, Germantown. Owner, D. W. Bond, 325 High street, Germantown. Stone, 3 stories, 27x43 feet, slate roof, oak floors, stone foundations, hot water heat, electric lighting, tile and marble work. Owner has received bids.

**T. N. T. Plant**, Fort Mifflin, Pa., Spec. 3866. Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Stucco, concrete foundation, (12) 1 story buildings, Wash House and Lunch Room, 88½x36½x11 feet; Boiler House, 70x17x13 feet, wing 22x23 feet; Melting and Cooling Building, 61x59 feet; Drill House, 51x51 feet; Fusing House, 30x23 feet; Finishing House, 50x21 feet (2) Fuse and

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**House**, Morrisville, Pa. Architect, Walter Hankin, 239 South Warren street, Trenton, N. J. Owner, Mrs. Ivins, 26 General Green avenue, Trenton, N. J. Hollow tile and stucco, 2½ stories, 34x34 feet, slate roof, hardwood floors, hot water heat, electric light. Plans in progress.

**Bungalows (Twin)**, Highland Park, Delaware County, Pa. Architect, Paul L. Kamper, Widener Building, Philadelphia. Owner Raymond Henning, 5835 Windsor avenue, Philadelphia. Frame, 1½ stories, 22x28 feet, shingle roof, pine floors, pipeless heaters, electric lighting. Architect will sub-let.

**Residence (alts. and add.)**, Jenkintown, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Louis B. Fortner, 235 Dock street, Philadelphia. Hollow tile, 2½ stories, 20x20 feet, slate or shingle roof, oak floors, hollow tile, electric light, tile work. Plans in progress. Architect will take bids in one week.

## Pennsylvania Contracts Awarded

**Bank**, Essington, Pa. Architect, C. B. Deer, Crozer Building, Chester, Pa. Owner, Tinicum Bank, Essington, Pa. Brick, 1 story, 30x40 feet, concrete foundations, slag roof, cement floors, electric light. Contract awarded to Zimmerman Const. Co., Crozer Building, Chester, Pa.

**Houses (4)**, Lynwood Heights, Pa., \$16,000. Architect, C. B. Deer, Crozer Building, Chester, Pa. Owner, Zimmerman Const. Co., Crozer Building, Chester, Pa. Brick, 2 stories, 23x18 feet, slag roof, hardwood floors, pipeless heating, electric lighting. Owner will build.

**Residence (alt. and add.)**, 420 Allen lane, Mt. Airy, Pa., \$7,000. Architect, H. J. Wetherill, Allen lane, Mt. Airy, Pa. Owner, Herbert J. Wetherill, 7312 Bryan street, Mt. Airy, Pa. Stucco and brick, 3 stories, 20x68 feet, shingle roof, pine and oak floors, stone foundations, metal lath, iron work. Contract awarded to William C. Wright, 22 Harvey street, Philadelphia.

**Chapel**, Drexel Hill, Pa. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owner, Chapel of the Incarnation, Drexel Hill, Pa. Stone, 2 stories, 48x80 feet, slate roof, stone foundations, steam heating, electric lighting, wood floors. Contract awarded to Bowden Const. Co., 1713 Sansom street.

**Hotel and Bank Building (alt. and add.)**, Shenandoah, Pa., \$90,000. Architect, E. Z. Scholl, 136 Robinson street, Reading, Pa. Owner, name withheld. Brick, 4 stories, 60x50 feet, composition roof, wood floors, new plumbing and heating, tile and marble work, elevators, bank fixtures, vault. Contract awarded to A. J. Fink, 658 Penn street, Reading, Pa.

**Garage**, 1374 Perkiomen avenue, Reading, Pa., \$27,000. Architect, C. Young, 520 Washington street, Reading, Pa. Owner, C. E. Kirlin, on premises. Reinforced concrete, 1 story, 16x32 feet, slag roof, concrete floors, hot water heat, electric light. Contract awarded to C. H. Schegal, Reading, Pa.

**Residence**, West Lawn street, Reading, Pa., \$5,000. Architect, C. Young, 520 Washington street, Reading, Pa. Owner, W. A. Miller, Shillington, Pa. Brick, 2½ stories, 28x36 feet, shingle roof, pine floors, hot water heating, electric lighting. Contract awarded to Stumpf, Adams & Gutshall, Reading, Pa.

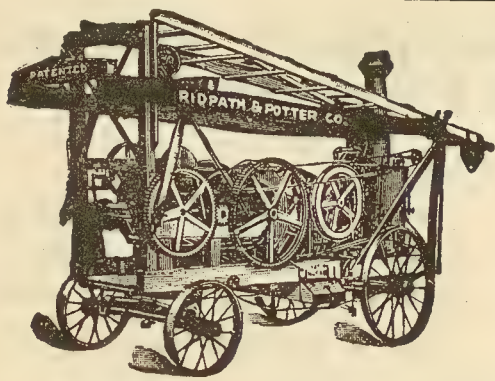
**School**, Boyertown, Pa., \$75,000. Architect, E. Z. Scholl, 136 Robinson street, Reading, Pa. Owner, Boyertown School District, Boyertown, Pa. Brick, 2 stories and ground floor, 140x80 feet, composition roof, gum wood floors, electric light, roof ventilators. Contract awarded to M. Elliott, Coatesville, Pa.

**Garage**, Fairview avenue, Wyoming, Pa. Architect, Muhlenberg Bros., 511 Penn street, Reading, Pa. Owner, Ferdinand Thun, on premises. Brick, 26x32 feet, concrete foundations, slag roofing. Contract awarded to R. J. Randenbach, Reading, Pa.

**Gardener's Cottage**, Paoli, Pa. Architects, Tilden & Register, Franklin Bank Building, Philadelphia. Owner, Mrs. S. Boyer Davis, Paoli, Pa. Stone, 2 stories, 24x28 feet, shingle roof, stone foundations, hot air heat, electric light. Contract awarded to A. M. Hall, Paoli, Pa.

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## New Jersey Construction News

**Manufacturing Building**, Twenty-first and Federal streets, Camden, N. J. Architect, private plans. Owner, name withheld. Brick and concrete, 1 story, 82x97 feet, concrete foundations, slag roof, concrete floors, electric lighting, roof ventilators, rolled steel skylights, iron work. Mockett Const. Co., Market street, Camden, N. J., are figuring and taking sub-bids.

**Foundry (add.)**, Twenty-first and Hayes streets, Camden, N. J. Architect, private plans. Owner, Lutz Co., Inc., on premises. Brick, 1 story, 50x68 feet, slag roof, wood block floors. Mockett Const. Co., Market street, Camden, N. J., is figuring and taking sub-bids.

**College Building**, State and Carroll streets, Trenton, N. J. Architect, William Slaek & Son, St. Regis Theatre Building, Trenton, N. J. Owner, Rider-Moore and Stewart School, Trenton, N. J. Brick, stone, steel and concrete, 3 stories, 60x100 feet, slag roof, concrete and wood floors, steam heating, electric lighting, tile and marble work, mill work, rolled steel skylights, roof ventilators. Architect taking bids due May 29th. S. W. Mather & Sons, New Trenton Building, Trenton, N. J.; Thomas M. Day, 1109 Greenwood avenue, Trenton; Charles H. Smith, Trenton; Newton A. M. Bugbee & Co., 206 East Hanover street, Trenton, N. J.; Charles R. Randall, 43 North Hermitage street, Trenton, N. J.; Edward D. Karue, 53 South Hermitage street, Trenton, N. J.; Fred R. Parker, 327 Calhoun street, Trenton, N. J.; I. H. Clayton, American Me-

chanics' Building, Trenton; Charles Barlow, 255 Bellevue street, Trenton, and Standard Const. Co., Presser Building, Philadelphia, are figuring.

**Coast Guard Station (alts.)**, No. 128, Corson Inlet, N. J. Architect, private plans. Owner, United States Government, Commodore Commandant, Guard Bond Building, Washington, D. C. General improvements and alterations. Owners taking bids due June 5th at 2 P. M. Plans may be secured from Superintendent of Fifth District Coast Guard, Asbury Park, N. J., or Washington, D. C.

**Office Building**, near Trenton, N. J. Architect, E. H. Yardley, 1713 Sansom street, Philadelphia. Owner, name withheld. Brick, 1 story, 25x50 feet, slag roof. Plans in progress. Architect will be ready for bids in two weeks.

**Bungalow**, Woodbury, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, Charles Lawrence, 3rd, care of architect. Frame, 2 stories, 29x60 feet, shingle roof, stone foundations, pipeless heater, electric lighting. Plans in progress. Will take bids in a week.

**Junior High School**, New Brunswick, N. J. Architect, Alex. M. Merchant, 363 George street, New Brunswick. Owner, Board of Education, New Brunswick, N. J. Brick and terra cotta, 3 stories, 164x183 feet, slag roof, maple floors, concrete foundations, steam heat, electric light, tile, marble and terrazzo work, rolled steel sash, metal lath, wire window guards, waterproofing, steel and iron work. Architect taking bids due June 2nd. Hughes-Foulkrod Co., Commonwealth Building, Philadelphia, are figuring.

**Theatre (add. and remodeling)**, Woodbury, N. J., \$20,000. Architect, Paul J. Henon, Jr., 10 South Eighteenth street, Philadelphia. Owners, Woodbury Amusement Co., Woodbury, N. J. Brick, 1 story and balcony, 46x143 feet, tin roof, cement floor, steam heat, electric light, tile and marble work. Architect taking revised bids from Joseph B. Best, Woodbury, due as soon as possible.

**Relief Building**, Phillipsburg, N. J. Architect, Muhlenberg Brothers, Reading, Pa. Owner, Cannister Co., on premises. Brick, 2 stories, 36x82 feet, concrete foundations, composition roof, concrete floors, tile work. Architect taking bids due May 31st. Foelt Const. Co., Reading, Pa., are figuring.

**Dwelling**, Garfield avenue, Trenton, N. J., \$4,000. Architect, private plans. Owner, Samuel Wyers, Trenton, N. J. Frame, 2½ stories, 22x28 feet, slate roof, hardwood floors, electric light. Owner will build.

**Residence**, Woodbury Heights, N. J. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owner, name withheld. Hollow tile, stucco and terra cotta, 2½ stories, 35x50 feet, asbestos shingle roof, concrete foundations, electric light, hot water

heat, tile work, oak floors. Plans in progress. Architect will be ready for bids in two weeks.

**Residence**, Cambridge street, Atlantic City, N. J. Architect, Seward Dobbins, 18 South Virginia avenue, Atlantic City, N. J. Owner, George W. McKinny, 10 South Cambridge street, Atlantic City, N. J. Brick and frame, 2 stories, 26x46 feet, slate roof, hardwood floors, hot water heating, electric light, tile work. Plans in progress. Architect ready for bids due June 11th.

**House (alt.)**, Rhode Island avenue, Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City, N. J. Owner, name withheld. Brick, 4 stories, general interior alterations, fire escapes. Plans in progress.

**School**, Mizpah, N. J. Architect, W. B. Reibenack, Guarantee Trust Building, Atlantic City, N. J. Owner, Board of Education, Hamilton Township, N. J. Brick and terra cotta, 1 story, 33x64 feet, slate roof, pine floors, concrete foundations, hot air heat. Plans in progress. Will take bids in one week.

**House and Garage**, Absecon, N. J. Architect, private plans. Owner, Lewis-Clark, Absecon, N. J. Hollow tile and stucco, 2 stories, 70x30 feet and 60x28 feet, tile work, tile roof, hardwood floors, hot water heat, electric light. E. M. Woolon, 9 North Stanton avenue, Atlantic City, taking sub-bids.

**House**, Austin avenue, Ventnor, N. J. Architect, W. B. Reibenack, Guarantee Trust Building, Atlantic City. Owner, Mr. G. R. Ryan, Philadelphia. Frame, 2 stories, asbestos shingle roof, pine floors, hot water heat, electric light, tile work. Plans in progress.

**Garage**, rear Derby street and Atlantic avenue, Atlantic City, N. J. Architect, W. B. Smith, Guardian Trust Building, Atlantic City, N. J. Owner, C. M. Koury, care of architect. Hollow tile and stucco, 1 story, 16x20 feet, slate roof, cement floor, electric light. Architect ready for bids due June 3rd.

**Residence**, Derby street and Atlantic avenue, Atlantic City, N. J. Architect, W. B. Smith, Guardian Trust Building, Atlantic City. Owner, C. M. Koury, care of architect. Hollow tile and stucco, 3 stories and basement, 26x40 feet, concrete foundations, slate roof, hardwood floors, hot water heating, electric lighting, tile and marble work. Architect ready for bids due June 3rd.

**School**, Ventnor, N. J., \$85,000. Architects, J. F. Mathes and V. B. Smith, Guarantee Trust Building. Owners, Ventnor School Board, care of Mr. Zimmerman, Guarantee Trust Building. Brick, 2 stories and basement, 65x104 feet, concrete foundations, slag roofing, maple floors, electric light, tile work, hollow tile, metal lath, rolled steel skylights, kalamein doors, metal lath, roof ventilators, waterproofing. Architect will take bids due May 28th. Standard Construction Co. and Bowden Const. Co., Philadelphia; Sherman S. Sharp, Cape May, N. J.; W. Beaumont, S. Hadley, P. J. Hannunn and A. B. Bowen, of Atlantic City, are figuring.

**Residence**, South La Clade Place, Atlantic City, N. J. Architect, V. B. Smith, Guardian Trust Building, Atlantic City, N. J. Owner, H. L. Godshall, Guardian Trust Building, Atlantic City. Hollow tile and stucco, 3 stories, 26x40 feet, concrete foundations, slate roof, hardwood floors, hot water heating, electric light, tile and marble work. Architect has received bids.

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**School**, Stephens, N. J. Architect, W. Kleman, First National Bank Building, Trenton, N. J. Owners, Board of Education, Burlington Township, N. J. Brick, 1 story, 63x39 feet, slate roof, pine floors, stoves, electric light. Plans in progress.

**Store (alts.)**, State and Willow streets, Trenton, N. J. Architect, J. O. Hunt, 114 West Montgomery avenue, Trenton, N. J. Owners, Sarah, Jay & Petrit Express Storage Co., on premises. Plate glass, painting, electric lighting. (Steel and stone work reserved.) Architect taking bids, due May 28th. Charles Barbour, Seigel & Sons, and S. Miller, Trenton, N. J., are figuring.

**Residence**, Parkway and Garden street, Trenton, N. J. Architect, J. O. Hunt, 114 West Montgomery avenue, Trenton, N. J. Owner, Mrs. M. I. A. Delaney, Trenton, N. J. Frame, 2½ stories, 32x32 feet, stone foundations, slate and tin roof, hardwood floors, electric light, tile work. Architect taking bids, due June 2nd. Chas. Y. Barlow, Samuel Miller, I. H. Clayton, and Fred Parker, Trenton, N. J., are figuring.

**Office and Storage Battery Plant**, Trenton, N. J. Architect, private plans. Owners, Storage Battery Co., Trenton, N. J. Reinforced concrete, 2 stories, 51x36 feet, slag roof, yellow pine floors, hollow metal sash, hollow metal skylights, roof ventilators. Owners taking bids. Chas. Y. Barlow, Trenton, N. J., is figuring.

**Houses (Twin)**, Maple avenue, Trenton, N. J. Architect, Walter Hankin, 239 South Warren street, Trenton, N. J. Owner, Mr. Harris Hermitage avenue, Trenton, N. J. Brick, 2½ stories, 32x50 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

**Bakery**, Hamilton avenue, Trenton, N. J. Architect, Walter Hankin, 239 South Warren street, Trenton, N. J. Owners, Kints & Kelton, Trenton, N. J. Brick, 2 stories, 30x60 feet, concrete foundations, slate roof, steam heating, electric lighting, mill construction floors. Architect taking bids, due about June 2nd. James Morris, J. W. Mathes & Son, Fred Parker, Tom Day, Chas. Randal, and W. Irvin, of Trenton, are figuring.

**Hospital (alts.)**, Toilet, Vineland, N. J. Architect, F. H. Bent, State House, Trenton, N. J. Owners, Institution for Feeble Minded, care of Dr. Hallowell, Vineland, N. J. Plumbing fixtures. Architect taking bids, due June 2nd. J. Dowling and J. Knight and Lewis Wanner, of Philadelphia, and W. Y. Baggs, Vineland, N. J., and Piper Bros., Trenton, N. J., are figuring.

**Dumb Waiter and Fire Tower**, State Hospital, Trenton, N. J. Architect, F. H. Bent, State House, Trenton, N. J. Owners, State of New Jersey, care of Sam Atchley, State House, Trenton, N. J. Fireproof, 3 stories, 37x39 feet and various sizes, hollow tile and plaster. Architect taking bids, due June 2nd. Carl Porinsett, 37 Maple avenue, Trenton, N. J.; Metropolitan Cement Const. Co., 1123 Broadway, New York, and Connor Bros., 15 Nineteenth street, New York, are figuring.

**Cow Barn (add.)**, Vineland, N. J. Architect, F. H. Bent, State Capitol Building, Trenton, N. J. Owners, Institution for Feeble Minded Women, care of Dr. Hallowell, Trenton, N. J. Hollow tile and stucco, 1 story, 36x82 feet, concrete foundations, slate roof, cement floors, electric light, roof ventilators. Ready for bids, due June 2nd. Metzger & Fisher, Philadelphia, and Geo. W. Shaner & Son, Palmyra, N. J., are figuring.

**Store and Dwelling**, 20 South Broad street, Trenton, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owner, Mr. Fitzgerald, Trenton, N. J. Concrete blocks, 2 stories, 22x68 feet, 16x22 feet, slag roof, yellow pine floors, pipeless heating, electric lighting. Architect will take bids this week, due June 3rd.

**Hall and Sunday School (add.)**, Paulsboro, N. J. Architect, George E. Savage, Witherpoon Building, Philadelphia. Owner, Methodist Episcopal Church, Rev. S. M. VanSant, Paulsboro, N. J. Stone, 2 stories, 40x60 feet, slate roof, pine floors, stone foundations, steam heat, electric light. Plans in progress. Architect will take bids in one week.

**Church**, Hackettstown, N. J. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owner, R. C. Church of the Assumption, care of Rev. Joseph McGrath, Hackettstown, N. J. Stone, 45x100 feet, slate roof, stone foundation (heating, lighting and plumbing reserved), seating capacity 250. Plans in progress.

**Pattern and Chipping Shop (add.)**, Twenty-first and Hayes avenue, Camden, N. J. Architect, Chas. E. Oelschlager, 1615 Walnut street, Philadelphia. Owners, Lutz Co., Inc., Thirty-first and Gray's Ferry Road, Philadelphia. Brick, 1 story, 48x66 feet, stone foundations, steam heat, electric light, composition roof, wood block floors. Architect taking bids, due June 2nd. Wm. R. Dougherty, 1610 Sansom street; T. C. Trafford, 1613 Sansom street; Wark & Co., 1737 Filbert street; F. A. Havens Co., 845 North Nineteenth street, and E. J. Kreitzburg, 1345 Arch street, are figuring.

## New Jersey Contracts Awarded

**Factory Building**, Bound Brook, N. J. Architect, private plans. Owner, Bound Brook Oilless Bearing Co., Bound Brook, N. J. Brick, concrete and steel, 2 stories, 100x140 feet, slag roof, concrete floors, metal lath, concrete foundations, steam heat, electric light, steel and iron work. Contract awarded to Austin Co., Bulletin Building, Philadelphia.

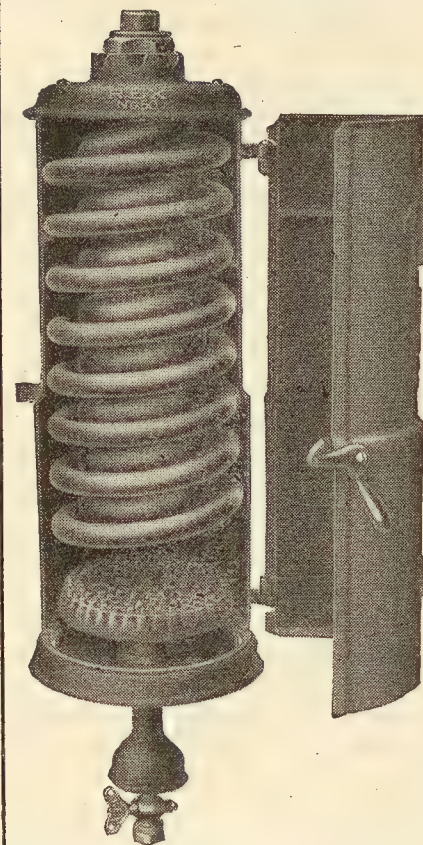
**Nathan Hale School**, New Brunswick, N. J., \$40,000. Architect, Alex. M. Merchant, 353 George street, New Brunswick, N. J. Owner, Board of Education, New Brunswick, N. J. Brick and terra cotta, 2 stories, 60x80 feet, slag roof, pine floors, stone foundations, steam heat, electric light, iron work. Contract awarded to Hughes-Foulkrod Co., Commonwealth Building.

**School**, Girard and Arch streets, Trenton, N. J., \$91,000. Architect, R. A. Schuman, 932 Lambert street, Trenton, N. J. Owners, Holy Cross Church, Trenton, N. J. Fireproof brick and steel, 3 stories, 12 rooms, 62x114 feet, stone foundations, wood floors, hot air heat, electric light, tile work, roof ventilators. Contract awarded to Dampsee & Hardy, Princeton, N. J.

**Residence (alts.)**, Woodbury, N. J. Architect, Chas. R. Peddle, 136 South Fourth street, Philadelphia. Owner, R. McFarland, Monroeville, N. J. Millwork, painting, general interior alterations, etc. Contract awarded to Joseph B. Best, Woodbury, N. J.

**Residence**, Bridgeboro Road, 2 miles from Moorestown, N. J. Architect, W. W. Sharp, 1713 Sansom street, Philadelphia. Owner, Samuel M. Goucher, on premises. General al-

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terations, 2½ stories. Contract awarded to A. P. Bright, Bridgeboro, N. J.

## Miscellaneous Construction News

**Residence**, Sewanee, Tenn. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Grover Sykes, Tracy City, Tenn. Hollow tile and stucco, 2½ stories, 25x35 feet, slate roof, electric lighting, tile work. Owner will take bids.

**Lodge**, Red Lodge, Mont. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, G. H. Croonquest, Red Lodge, Mont. Timber, 1 story, 25x60 feet, log construction roof. Owner will take bids.

## Delaware Construction News

**Service Building**, Clinton street, north of Fourteenth street, Wilmington, Del., \$16,000. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building, Philadelphia. Owner, H. Rodney Sharp, Wilmington, Del. Stone, 2 stories, 20x54 feet, shingle roof, pine and cement floor, hot air heat, electric light, tile and marble work, stone foundations. Architects are taking sub-bids.

**Storage Warehouse**, Fourth and Greenhill streets, Wilmington, Del. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Wilmington Leather Co., Second and Greenhill streets, Wilmington, Del. Brick, slow burning construction, 2 stories, 135x235 feet, concrete foundation, slag roof, maple floors, electric light. Plans about completed. Architect will take bids in one week.

Washed Bar Sand and Gravel will take less cement on concrete work. We know how.  
**DAVID FRANCE CO.**, Tasker Street Wharf, Delaware River, Philadelphia.



**Store**, 814-16 King street, Wilmington, Del., \$30,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, John E. Kane, on premises. Brick and terra cotta, 2 stories and basement, 50x110 feet, slag roof, hardwood and pine floors, steam heat, electric light, elevators, hollow metal skylights. Architect has received bids.

**House**, Twenty-ninth and Boulevard, Wilmington, Del. Architect, J. D. Thompson, Ford Building, Wilmington, Del. Owner, I. Elmer Perry, Wilmington, Del. Brick, 3 stories, 39x36 feet, slate roof, hardwood floors, electric light, tile and marble work. Architect has received bids.

**Garages (22)**, Fulton street, Wilmington, Del. Architect, private plans. Owner, J. A. Glynn, 220 Connell street, Wilmington, Del. Brick, 10x18 feet, slag roof, cement floor. Owner will build.

**Residence**, 503 Rodney street, Wilmington, Del., \$9,000. Architect, private plans. Owner, Earner Di Sabatino, 601 Lincoln street, Wilmington, Del. Brick, 2 stories, 35x37 feet, stone foundations, slate roof, pine floors, hot water heat, electric light, tile work. Owner will build.

**Garage**, Ninth and Union streets, Wilmington, Del., \$6,000. Architect, private plans. Owner, Veritassca & Cericola, 1909 West Sixth street, Wilmington. Brick, 46x100 feet, stone foundations, slag roof, electric light. Owner will build.

**Store and Apartment**, location withheld. Architect, C. L. Rice, 815 Market street, Wilmington, Del. Owner, name withheld. Brick, stone trimming, 4 stories, 25x51 feet, stone foundations, slag roof, hardwood floors, vapor heat, electric light, tile and marble work, copper cornice, plate glass. Plans in progress.

## Delaware Contracts Awarded

**Dwelling (alt. and add.)**, Red Oak road, Wilmington, Del., \$4,550. Architect, private plans. Owner, George P. Bissell, Wilmington, Del. Plumbing and interior work. Contract awarded to William D. Haddock, 804 Orange street.

**Church (add.)**, 2400 West Seventeenth street, Wilmington, Del., \$1,880. Architect, private plans. Owner, Immanuel Church, on premises. Stone, frame add., 1 story, 6x26 feet, slate roof. Contract awarded to Edw. Johnson & Son, Wilmington, Del.

**Dwelling (add.)**, Southwest Corner Third and Franklin streets, Wilmington, Del. Architect, private plans. Owner, Walter Morgan, Wilmington, Del. Brick, 2 stories, 16x30 feet, slag roof, pine floors. Contract awarded to Charles H. Tindall & Son, 614 Tatnell street, Wilmington, Del.

**Dwellings (2)**, 1029-31 West Clayton street, Wilmington, Del., \$11,900. Architect, private plans. Owner, W. B. Culbert, Wilmington, Del., 1209 West Ninth street. Brick, 2 stories, 16x46 feet, stone foundations, slag roof, hardwood floors, hot water heat, electric light. Contract awarded to Donaldson & Jackson, 2300 Jefferson street, Wilmington, Del.

**Bank and Office (alt.)**, Northwest Corner Ninth and Market streets, Wilmington, \$4,158. Architect, private plans. Owner, Equitable Guarantee, on premises. Brick, interior alterations. Contract awarded to W. D. Haddock, 80 Orange street, Wilmington, Del.

**Church and Parish House (alts. and add.)**, and **New Rectory**, Wilmington, Del. Architects, Zantzinger, Borie & Medary, Otis Building, Philadelphia. Owner, St. John's Episcopal Church, Wilmington, Del. Stone, rectory, 3 stories, 36x65 feet, slate and slag roof, oak floors, concrete foundations, vapor system heating, electric lighting, marble work, electric light, rolled steel sash, kala-

mein doors, metal lath, dampproofing, structural steel and iron work. Architects taking bids due June 4th at noon. H. H. Burrell, 206 South Quince street; William R. Dougherty, 1610 Sansom street; F. W. Wallace, 1220 Chancellor street; Pringle Borthwick, 8018 Germantown avenue, Philadelphia, and W. D. Haddock & Co., Wilmington, Del., are figuring.

## Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

### Philadelphia

**Garage**, Kater street, West of Alder street, \$4,000. H. S. Soslovitz (O), 136 Chestnut street. Brick, 1 story, 32x61 feet, slag roof. E. R. Hall (C), 34 South Seventeenth street.

**Dwellings (26)**, West side Tenth street, North of Wyoming avenue, \$135,200. Isaac J. Miller (O and C), 1926 South Colorado street. Brick, 2 stories, 15 feet 6 inches x13 feet 3 inches and 12 feet 6 inches x19 feet 2 inches, slag roofing, hot water heating.

**Dwelling and Garage**, Tenth and Loudon streets, \$6,200. Isaac J. Miller (O and C), 1926 South Colorado street. Brick, 3 stories, 16 feet 4 inches x53 feet, slag roof, hot water heat.

**Dwellings (2)**, Drinker street, West of Lincoln Drive, \$13,000. John H. McClatchey (O and C), 848 Land Title Building. Brick, 2 stories, 16x48 feet, slate roof, hot water heat.

**Dwellings (2)**, Drinker street, West of Lincoln Drive, \$17,000. John H. McClatchey (O and C), 848 Land Title Building. Brick, 2½ stories, 35x27 feet, slate roof, hot water heat.

**Factory**, Weikel street, North of Tioga street, \$26,000. Liquid Carbonic Co. (O), Chicago, Ill. Brick, 2 stories, 66x40 feet, 1 story 66x100 feet. F. A. Havens & Co. (C), 845 North Nineteenth street.

**Garage**, 502-4-6 Ruscomb street, \$1,600. Francis J. Blatz (O and C), 5007 North Fifth street. Brick, 1 story, 18x60 feet, slag roof.

**Garage**, 2231 North Fourth street, \$1,800. George Berk (O), 406 Diamond street. Brick, 1 story, 18x50 feet. Berger & Hubbs (C), 2406 North Tenth street.

**Garage**, North side of Medary street, East of Ogontz avenue, \$650. R. C. Dalgiesk (O), Ogontz and Medary street. Brick, 1 story, 11 feet 6 inches x19 feet 6 inches. L. Davis (C), Thirteenth and Nedro streets.

**Garage**, 6702 North Eighth street, \$500. H. Gelbarth (O), on premises. Brick, 1 story, 11 feet 6 inches x16 feet. L. Davis (C), Thirteenth and Nedro streets.

**Dwellings (12)**, between Divinity and Fifty-first on Springfield avenue, \$7,4000. Steltz & Maloney (O and C), 1208 Chestnut street. Brick, 2 stories, 16x40 feet, 13x15 feet, 16x55 feet, slag roof, hot water heat, electric light, tile work, oak and pine floors.

**Dwellings (39)**, Tioga and F streets, Philadelphia, \$129,200. Samuel J. Kennedy (O and C), 3105 F street. Brick, 15x42 feet, 15x30 feet, 12x12 feet, slag roof, hot water heat, electric light.

**Dwellings (12)**, Friendship street, West of Risin gSun Lane, (8) St. Vincent street, West of Oakley street. Michael Stevens (O and C), 916 St. Vincent street. Brick, 2 stories, 14½x22 feet, 11½x18 feet and 15½x40 feet, slag roof, oht water heat, electric light.

**Garage**, Fourth street, North of Olney avenue, \$1,100. Samuel McLaren (O), Fourth and Olney avenue. Frame, 1 story, 20x24 feet. Samuel McLaren (C), Fourth and Olney avenue.

**Garages (2)**, 1008-1020 North Sixty-fourth street, \$2,000. Moss & Taylor (O and C), Fifty-eighth and Girard avenue. Stone, 1 story, 14x21 feet.

**Garage**, 5443 North Sixth street, \$500. Howard Shoennig (O), on premises. Brick, 1 story, 12x16 feet. D. C. Moyer & Co. (C), 2344 North Carlisle street.

**Dwellings (52)**, 2700-2752 and 2701-2753 South Cleveland avenue, \$144,400. Frederick S. Park (O and C), 230 South Forty-sixth street. Brick, 2 stories, 15½x39 feet, 11x11 feet, 15½x40 feet, slag roof, hot air heat, pine floors.

**Dwelling**, Eighth and Ruscomb streets, \$4,500. Klauss & Baxter (O), 5715 Ashmead street. Brick, 2 stories, 15x41 feet 6 inches, slag roof, hot water heat. Owner will build.

**Dwellings (26)**, Eighth street, South of Ruscomb street, \$108,500. Klauss & Baxter (O and C), 5715 Ashmead street. Brick, 2 stories, 15x27 feet 6 inches, 12 feet 6 inches x17 feet, slag roofing, hot water heating.

**Dwellings (10)**, West side Oakley street, South of Princeton street, \$42,000. J. Charles Yundt (O and C), 301 Tabor road. Brick, 2 stories, 20x26 feet, slag roofing, hot water heating.

**Garage**, 1629 North Wellington street, \$4,000. William Boland (O), on premises. Brick, 1 story, 22x79 feet, slag roof. Frank G. English (C), 1608 North Carlisle street.

**Office**, Cottman street, East of Milnor street, \$3,000. Delany & Co. (O), on premises. Brick, 2 stories, 28x30 feet, slag roof. Cunningham & Bartholomew (C), 4326 Paul street.

**Dwellings (2)**, Tyson street, West of Ditman street, \$3,000. T. W. South (O), City Hall, Philadelphia. Brick, 2 stories, 16 feet 4 inches x42 feet, slag roofing, hot air heating. J. Edwin Mattis (C), 4412 Wingohocking street.

**Dwelling**, Overbrook avenue, West of Fifty-eight hstreet, \$7,500. Charles P. Vaughan (O), 230 West Susquehanna avenue. Brick and hollow tile, 2 stories, 30x28 feet, hot air heat. Alfred James (C), Bala, Pa.

**Mill**, Southeast Corner Tioga and C streets, \$100,000. Barter, Kelly & Faust (O), on premises. Brick, 4 stories. Horace H. Burrell (C), 206 South Quince street.

**Garage**, 329-31 New street, \$800. Henry Schmidt & Bro., Inc. (O), 326 New street. Brick, 1 story, 19x21 feet 8 inches. W. F. Koelle Co., Twenty-sixth and Oxford streets.

**Garage**, 4341 North Darien street, \$700.

We have pebbles all sizes. Cost less than what you are using. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



George Flurer (O), 4340 North Eighth street. Brick, 1 story, 14 feet 6 inches x22 feet. E. B. Miller (C), 1009 Cambria street.

Garage, 1225 Wakeling street, \$550. Edward Pollitt (O), on premises. Brick, 1 story, 11x17 feet 6 inches. John F. Davies (C), 1021 Herbert street.

Garage, Champlost street, East of Park avenue, \$600. J. H. Arrufo (O), on premises. Brick, 1 story, 11 feet 6 inches x18 feet. L. Davis (C), Thirteenth and Nedro streets.

Garage, 4327 North Darien street, \$600. Edwin Grau (O), 4328 North Eighth street. Brick, 1 story, 14 feet 7 inches x21 feet. George J. Bauerle (C), 4314 North Eighth street.

Garage, 4337 North Darien street, \$800. Christian Erny (O), 4338 North Eighth street. Brick, 1 story, 22x14 feet 6 inches. George J. Bauerle (C), 4314 North Eighth street.

Store and Dwelling, Woodstock street and Church lane, \$4,000. Ira K. Davis (O), Twentieth and Spencer streets. Brick, 2 stories, 29x29 feet 9 inches, slag roof, hot water heat. Owner will build.

Dwelling, Lambert street and Church lane, \$4,000. Ira K. Davis (O and C), Twentieth and Spencer streets. Brick, 2 stories, 16x43 feet 3 inches and 11x9 feet, slag roof, hot water heat.

Dwellings (16), Lambert street and Church lane, East of Twenty-first street, \$49,000. Ira K. Davis (O and C), Twentieth and Spencer streets. Brick, 2 stories, 16x30 feet and 13x10 feet, 22 feet 6 inches x16 feet 6 inches and 16x22 feet 6 inches, slag roofing, hot water heating.

Store and Dwelling, Twenty-first street and Church lane, \$4,500. Ira K. Davis (O and C), Twentieth and Spencer streets. Brick, 2 stories, 43 feet 11¼ inches x33 feet, slag roof, hot water heat.

Store and Dwelling, Thirty-eighth and Brown streets, \$3,200. I. Weinstein (O and C), 1110 North Forty-first street. Brick, second story, 20x49 feet, 20x4 feet.

Store and Dwelling, 2144 North Front street, \$3,400. J. Ballen (O), on premises. Brick, 1 story, 3 feet 6 inches x19 feet and 13x15 feet. I. Weinstein (C), 1110 North Forty-first street.

Dwelling, Fairhill street, South of Sixty-fourth avenue, \$7,500. G. W. Grove (O). Brick, 2 stories, 25x39 feet, hot air heat. C. E. Lloyd, Jr. (C), 6600 North Eighth street.

Dwellings (10), \$56,000, 7000-7018 Elmwood avenue. Daniel E. Hogan (O and C), 6043 Columbia avenue. Brick, 2 stories, 16x60 feet, 16x47 feet, 12x12 feet, slag roofing.

Dwellings (18), Sixtieth and Nassau streets, \$94,400. James N. Mitchell (O and C), Forty-sixth and Market streets. Brick, 2 stories, 15 feet 6 inches x30 feet, 12 feet 6 inches x15 feet and 15 feet 8½ inches x45 feet, slag roof, hot water heating.

Store and Garage, 2212 Market street, \$7,500. Oelschlager & Kraft (O), 2230 Market street. Brick, 2 stories, front 14x47 feet, 1 story rear 14x49 feet. Edw. Cunningham (C), 2214 Chestnut street.

Garage, 1518-20-22 Cayuga street, \$17,000. Sadie Lewbarsky (O), 2015 North Fifth street. Brick, 1 story, 50x200 feet. Fox Brothers (C), 4814 North Broad street.

Garage and Greenhouse, Northeast Corner Wissahickon avenue and Hortter street, \$4,000. John Bromley (O), on premises. Brick, 1 story, 28x23 feet, 16 feet 6 inches x20 feet. F. A. Havens Co., 845 North Nineteenth street.

Studio and Greenhouse, South side of Fishers avenue, East of K street, \$1,000. F. O. Clement (O and C), on premises. Frame, 1 story, 32x26 feet.

Dwellings (43), Seventh and Loudon streets, Wyoming avenue and Eighth street, \$240,000. Charles Fichter (O and C), 3300 North Hancock street. Two stories, brick and stone, 16x40 feet, 16x41 feet. 15x28 feet, 16x50 feet, 16x21 feet, slag roof, hot water heat.

Garage, Bridge and Jackson streets, \$1,500. William F. Steinbach (O and C), 949 East Westmoreland street. Brick, 1 story, 30x80 feet.

Garage, 440 Harmon road, \$500. R. W. Strouse (O and C), on premises. Brick, 1 story, 15x19 feet.

Garage, Budd street and Westminster avenue, \$500. J. Sostman (O), 526 South street. Brick, 1 story, 17x18 feet. W. J. Uhler (C), 1841 South Broad street.

Garage, Warnock street, south of Lindley avenue, \$1,270. George Stuetzer (O), 1014 Lindley avenue. Brick, 1 story, 12 feet 6 inches x18 feet 6 inches. William J. Baltz (C), 709 Butler street.

Garages (8), Musgrave and Maryland streets, \$48,000. Theodore Ulmer (O), 500 East Washington lane. Brick, 1 story, 23x100 feet, slag roof. Samuel Harting (C), 20 East Johnson street.

Garages (5), Budd street and Westminster avenue, \$2,500. J. Sostman (O), 526 South street. Brick, 1 story, 17x18 feet. W. J. Uhler (C), 1841 South Broad street.

Dwelling, Oxford pike, North of Harrison street, \$10,000. William G. Diamond (O), 3600 Frankford avenue. Brick, 2 stories, 20x53 feet. D. W. O'Dea (C), 5227 North Fifth street.

Factory, Thirty-eighth street, North of Girard avenue, \$20,000. The Robert Smith Ale Brewing Co. (O), on premises. Brick, 2 stories, 48x128 feet. A. R. Raff Const. Co. (C), 1635 Thompson street.

Ash Pit, Second street, South of Clearfield street, \$3,000. Joseph R. Foster o. (O), on premises. M. and J. B. McHugh (C), 892 North Markoe street.

### Alterations and Additions

Dwelling, 425 Dickinson street, \$1,000. S. R. Satinsky (O), on premises. Brick, 2 stories, 11 feet 6 inchesx27 feet 6 inches, slag roof. C. W. Chamberlin (C), 1501 S. Sixth street.

Dwelling 4567 Fleming street, \$1,000. Miss Anna L. Boon (O), on premises. Brick, 2 stories, 12x14 feet. James Stewart (C), 4552 Manayunk avenue.

Shop, 1120 Vine street, \$700. Philadelphia Gear Works (O), 1120 Vine street. Concrete footing. M. B. Markland (C), 1120 Vine street.

Wwelling, Seventeenth and Wallace streets, \$1,500. Miss Marie Carter (O), on premises. To rooming house. G. W. Danley (C), 1330 North Twenty-second street.

Dwelling, 8708 Erwig avenue, \$1,200. Brick, 2 stories, 16x12 feet. Repair fire damage. Wm. Taylor (O), on premises. J. F. Trent (C), 2041 Master street.

Store and Storage, 5713 Germantown avenue, \$5,764. Charles Mainze (O), on premises. New flush bulk. H. J. Hammer (C), 808 N. Seventeenth street.

Dwelling, 5808 Reach street, \$2,000. Fréd.

erick Zuxchmitt (O), on premises. Frame, 1 story, 18x22 feet. H. W. Myers (C), 5814 Hasbrook avenue.

Dwelling, southwest corner of Green Lane and Manayunk avenue, \$500. E. M. Simpson (O), on premises. Wm. H. Eddleman & Son (C), 453 Green Lane.

Tenement, 4707 North Broad street, \$600. M. Bauer (O), on premises. Harry H. Wehmeyer (C), 509 West Cumberland street.

Dwelling, 2623 Sepvira street, \$400. Joseph A. Wolf (O and C), on premises. Brick, 1 story, 14 feet 9 inchesx9 feet.

Dwelling, 2637 South Eleventh street, \$1,480. George Scattergood (O), 2615 South Alder street. Repair fire damage. James A. Fitzgerald & Son (C), 1623 Snyder avenue.

Store and Dwelling, Twenty-third and Federal streets. J. Connor (O), on premises. Repair fire damage. James A. Fitzgerald & Sons (C), 1623 Snyder avenue.

Dwelling, 3035 Percy street, \$350. Gregor Drummond (O), 2645 Germantown avenue. Repairs. Otto Malz & Son (C), 2108 North Lawrence street.

Dwelling, 3033 Percy street, \$350. C. W. Horstman (O), 1008 Orleans street. Otto Malz & Son (C), 2108 North Lawrence street.

Garage and Shed, \$2,100. A. S. Karker (O), 3834 North Thirteenth street. Brick, 1 story, rear, 16x60 feet. Wm. Garthly (C), 1004 N. Sixth street.

Office and Storage, \$3,000, 1829 Callowhill street. Thompson Iron Works (O), 1827 Callowhill street. Brick, 3 stories, front, 16x28 feet. H. E. Grau & Co. (C), 1707 Sansom street.

Store and Dwelling, 1006 West Girard avenue, \$2,200. A. Green (O), on premises. Brick, 2 stories, 13x20 feet. J. Hyman (C), 432 Jackson street.

Stores, west side of Main street, south of Cotton street, \$2,500. Estate of Catharine Schofield (O), on premises. Brick, 1 story, 18x50 feet. Charles C. Cox (C), 425 Lyceum avenue.

Garage, 1429 Race street, \$400. David Goodman (O), on premises. I. Baskoff (C), 432 Cantrell street.

Garage, east side of Lawrence street, south of Ruscomb street, \$1,200. James Butler (O), 4920 Lawrence street. Brick, 1 story, 16x74 feet, slag roof. G. V. Simon (C), 1023 Unruh street.

Dwelling, 249 North Fifty-second street, \$850. Joseph Fisher (O), on premises. Brick, 1 story, 15x20 feet, slag roof. Wm. F. Lambert (C), 6228 Haverford avenue.

Factory, 21 Armat street, \$2,500. Chester A. Asher (O), on premises. Concrete slab over boiler room, new stack and stairway. Wm. J. Gruhler & Co. (C), 219 High street.

Dwelling, 3256 Edgemont street, \$400. Ignac Seniories (O), on premises. G. R. Richmond & Co. (C), 2732 East Allegheny avenue. Brick, 2 stories, 11x10 feet.

Dwelling, 2739 Pratt street, \$1,000. Harry Davis (O), on premises. Frame, 2 stories, 8x6 feet. Burkelbach Co. (C), 4608 Richmond street.

Store, 1305 Walnut street, \$1,000. Biddle Estate (O), 517 Chestnut street. Vapor heat. A. McClintock (C), 1927 Ridge avenue.

Store and Dwelling, 279 South Fifty-second street, \$3,000. L. A. Taylor (O), 4920 Warrington avenue. Brick, 2 stories, 15 feet 9 inchesx13 feet. John Howard Taylor (C), 4920 Warrington avenue.

Dwelling, 6004 Lansdowne avenue, \$3,500. N. Boymel (O), 6012 Lansdowne avenue.



Brick, 2 stories, 21 feet 3 inchesx18 feet and 13x5 feet and 16 feet 6 inchesx12 feet. Max Freidman (C), 312 Porter street.

Dwellings and Stores (7), 427-35 and 445-47 South Sixtieth street, \$19,600. Max B. Willig (O), Lincoln Building. Brick, 2 stories, 14 feet 6 inchesx9 feet. M. Kirschner (C), 421 Snyder avenue.

Store and Dwelling, Palethorpe and Ontario streets, \$650. Joseph Scholen (O), Fourth and Allegheny avenue. Eugene Jones (C), 3351 North Second street.

Dwelling, 722 West Upsal street, \$1,850. J. Disston (O), 722 West Upsal street. Brick, 1 story, 16x4 feet. Charles Johnson (C), 5701 Boyer street.

Moving Picture Theatre, 1018 Market street, \$25,000. P. M. Sax (C), Franklin Bank Building.

Storage Building, 2125 North Orkney street, \$400. Frank Tamnir (O), 432 West Norris street. Repair fire damage. D. N. Lauro (C), 2031 North Fourth street.

Dwelling, 501 South Forty-eighth street, \$400. Richard Powell (O), on premises. Frank R. Shriver (C), 651 South Fifty-first street.

Dwelling, 6334 Rising Sun avenue, \$500. C. F. Shadewald (O), on premises. Frame, 1 story, 16x7 feet. Louis Bogas (C), 480 N. Fifth street.

Store and Dwelling, 2629 East Allegheny avenue, \$550. W. Reardon (O), 2627 East Allegheny avenue. Flush bulk. Dave McCurn (C), 2711 East Westmoreland street.

Dwelling, 804-6 Parrish street, \$650. Milton Philips (O), 410 Arch street. James D. O'Neil (C), Ogontz, Pa.

Store, 38-42 South Eighth street, \$2,200. A. Press (O), Eighth and Chestnut streets. New flush bulks. A. Barsky (C), 636 Pine street.

Factory, 110 Tasker street, \$8,800. Atmore & Son (O), on premises. Change to steel beams. John N. Gill & Co. (C), Otis Building.

Garage, 942 Porter street, \$4,000. A. Kaplan, 4860 Parkside avenue (O and C). Brick, 1 story, 60x93 feet, slag roof.

Store and Dwelling, Nineteenth and Christian streets, \$2,300. Morris Rosenberg (O), on premises. Repair fire damage. Morris Selcznov (C), 129 Roseberry street.

Store and Dwelling, 2407 South Sixty-second street, \$1,025. Salvator Caputo (O), on premises. Louis Meli (C), 8415 Ashwood street.

Store and Dwelling, Twenty-third and Lombard streets, \$1,300. Jacob Rubenstein (O), on premises. Flush bulk. S. Kravitz (C), 735 Morris street.

Factory, State road, South of Devereaux street, \$800. Gillinder & Sons, Inc. (O), on premises. Brick, 1 story, 14x20 feet. F. Crompton & Bro. (C), 4614 Oakland street.

Tenement, 1625 Master street, \$500. Mrs. Devereaux (O), on premises. A. R. Raff Const. Co. (C), 1632 Thompson street.

Store and Dwelling, 913 North Marshall street, \$1,665. A. Abramson (O), 985 North Sixth street. Flush bulk. Shechtman & Bros. (C), 1734 North Seventh street.

Store and Dwelling, 2842 Germantown avenue, \$650. A. Rosenblatt (O), 2618 Germantown avenue. Brick, 1 side, 3x12 feet. M. Cherry (C), 137 North Tenth street.

Store, 2626 Germantown avenue, \$2,400. Brick, 3 stories, 15x9 feet 3 inches, slag roof. F. Fred Picarri (C), 3752 North Randolph street.

Store and Dwelling, Fourth and Norris streets, \$600. A. H. Leiberman (O), Fourth and Wharton streets. D. Josephson (C), 1325 North Sixth street.

Dwelling, 2506 North Thirty-third street, \$1,100. Speigelman (O), on premises. Rear shed. Max Cotler (C), 1220 North Forty-second street.

Store and Dwelling, 1737 South Second street, \$2,150. Michael Earlitz (O), on premises. Brick, 2 stories, 15x15 feet, slag roof. B. Arrow (C), 992 North Seventh street.

Dwelling, Geyer avenue, West of Eighty-fifth street, \$800. John Augustine (O and C), Eighty-fifth and Geyers avenue. Brick, 1 story, 16x20 feet, slag roof.

Dwelling, 612 South Delhi street, \$300. John Del Vicchio (O), on premises. Brick, 1 story, 11x6 feet. Fred Sbroglia (C), 703 South Tenth street.

Dwelling, 5805 Delancey street, \$360. Samuel Markel (O), on premises. Enclose porch and shed. C. Yorknitz (C), 1202 North Seventh street.

Store, 1714 Ridge avenue, \$600. Girard Trust Co. (O), Broad and Chestnut streets. New flush bulk. William G. Adams (C), Fifteenth and Fairmount avenue.

Office, 1620 Thompson streets, \$400. M. H. McCloskey, Jr., Inc. (O and C), on premises.

Store and Dwelling, 3058 Richmond street, \$800. William Bodkin (O), 534 East Allegheny avenue. Fire repairs. Harry S. Barnes (C), 1449 Loudon street.

Dwelling, 3200 Clifford street, \$700. S. Patrovitz (O), on premises. Brick, 1 story, 16x11 feet. M. J. Benamy (C), 3042 West York street.

Factory, 4520 Worth street, \$700. Globe Dye Works (O), on premises. Fire escape. Brownworth & Co. (C), 1611 Sansom street.

Shop and Garage, 1409 Robinson street, \$750. J. Moore (O), 1408 North Sixty-first street. Brick, 1 story, 24x8 feet. R. B. Douglass (C), 330 North Sixty-third street.

Store and Storage, 543-549 East Cambria street, \$5,000. Siezfrend & Fuld (O and C), 545 East Cambria street.

Dwelling, Cheltenham avenue and Camac street, \$1,000. Berthold Strauss (O), on premises. Daniel Sperry (C), Heed Building.

Store and Dwelling, 6330 Woodland avenue, \$850. Wyman Goodman (O), on premises. Jacob Joseph (C), 1608 South Orkney street.

Hall (alts.) to (3) Family Dwelling, 4400 Lancaster avenue, \$2,700. Mary A. Sheridan (O), on premises. George H. Evans (C), 45 North Thirteenth street.

Dwelling (alt.) to Store and Dwelling, 926 North Marshall street, \$2,800. William Sacks (O), 872 North Marshall street. Brick, 2 stories, 16x11 feet. B. Arrow (C), 992 North Seventh street.

Dwelling, 510 Gross street, \$500. C. Bamanfo (O and C), 510 Gross street.

Dwelling, Abington and Germantown avenue, \$700. F. Coladay (O), Germantown avenue, South of Queen street. W. P. Schoek (C), Mt. Airy, Philadelphia.

Dwelling to Store, 2618 East Lehigh avenue, \$700. Carmuld Castagno (O), on premises. F. Flush bulk. Carmine Mattia (C), 453 North Sixty-fifth street.

Dwelling, 525 Naudain street, \$800. A. S. Jones (O and C), 514 South Fifteenth street. Brick, 2 stories, 8x16 feet, slag roof.

Store and Dwelling, 732-34 North Fourth street, \$500. Gaydor & Dutko (O and C), on premises. Flush bulk.

Dwelling, 4028 Cambridge street, \$800. Pubino Enrico (O), on premises. Carmine Peruputo (C), 1229 South Seventh street.

Dwelling, 420 Allen's lane, \$7,000. Herbert J. Wetherill (O), 7312 Bryan street. Brick, 1 story, 14x24 feet. William C. Wright (C), 22 Harvey street.

Boiler House, Ninth and Westmoreland streets, \$6,000. Surpass Leather CCo. (O), on premises. George Kessler Const. Co. (C), Drexel Building.

Building, Thirteenth and Buttonwood streets, \$3,000. Joseph Hoover (O), on premises. Mansard, 1 story, 15x40 feet. F. L. Hoover & Sons (C), 1023 Cherry street.

Store, 1030 Chestnut street, \$4,000. Mastbaum Fleisher Co. (O), South Penn Square. Ketcham & McQuade (C), 1029 Brown street.

Garage, 1535-37 Flora street, \$800. Lynwood Garrison (O), Drexel Building. A. R. Raff (C), 1635 Thompson street.

Garage, Sixty-first and Sansom streets, \$1,000. Harry J. Law (O), on premises. Brick, 2 stories, 16x16 feet, slag roof. ),dw. P. Doyle (C), 5250 Walnut street.

Store and Storage, 113 Dock street, \$1,800. A. CCancelmo (O), 113 Dock street. Tony Bressi (C), 1141 Linn street.

Store and Dwelling, 1308 Dickinson street, \$950. T. Feriel (O), 1310 Dickinson street. T. Campori (C), 1540 Dickinson street.

Convent, Southwest Corner Twenty-second and Green streets, \$2,200. Archdiocese of Philadelphia (O). Monaghan & Losse (C), 3016 Chestnut street.

Dwelling, 1110 Morris street, \$1,000. Cario Cipezzi (O), on premises. Brick, 2 stories, 13x12 feet. Carlo Costigno (C), 1809 South Twelfth street.

Store and Dwelling, Sixteenth and Race streets, \$700. William Pettyjohn (O), on premises. Smith Hardican Co. (C), 1606 Cherry street.

Dwelling and Store, 402-4-6 South Sixtieth street, \$900. Sol Hopkins (O and C), on premises. Brick, 2 stories, 16x8 feet.

Dwelling, West side Oak road, South of School lane, \$500. H. W. Brown (O), Oak road. Brick, 9x13 feet. William J. Gruhler (C), 219 High street.

Dwelling, 2348 South Seventh street, \$1,000. Bernard Abramovitz (O and C), 717 Snyder avenue. Brick, 2 stories, 11x15 feet, slag roof.

Dwelling, 2228 South Sixth street, \$800. Sol Singer (O and C), on premises. Brick, 2 stories, 13x16 feet.

Laundry, Forty-eighth and Ludlow streets, \$600. Quaker City Laundry (O), on premises. Balcony. Frank R. Shriver (C), 651 South Fifty-first street.

Shop, Gray's avenue, West of Fifty-first street, \$28,000. Taylor Wharton & Son (O), on premises. Steel, 1 story, 90 feet 4 inches x100 feet. John N. Gill & Co. (C), Otis Building.

Shop, Twenty-third and Washington avenue, \$7,000. Philadelphia Roll & Machine Co. (O), on premises. Iron, 1 story, 47x63 feet. John N. Gill & Co. (C), Otis Building.

Dwelling, 1921 South Seventh street, \$1,200. E. Staffin (O), on premises. Brick, 1 story, 13x25 feet. Louis Friedman (C), 837 Cantrell street.

Dwelling, 2827 North Fifth street, \$900. Bertha Thorwick (O), on premises. Brick, 2 stories, 12x11 feet. William Freiling (C), 2553 North Fifth street.



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Tapestry, Face, Common Paving)

O. W. Ketcham.....Builders' Exchange, Phila.  
John S. E. Pardee & Co.....Heed Bldg., Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.  
Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.  
Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.  
Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Contractors' Equipment.

Service Equipment Co.....Bourse Bldg., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.  
General Fireproofing Co. 512 Bulletin Bldg., Phila.  
Henry S. Harris.....Land Title Bldg., Phila.  
Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.  
McCalla Co., The Harold... 531 N. 4th st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truscon Steel Co.... Commonwealth Bldg., Phila.

## Floor Plates.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.  
Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co. 1332 Arch st., Phila.

## Gas Water Heaters.

Apeldorn & Beatty Co.... 155 N. 9th st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.  
Fleck Bros. Co.....44 N. 5th st., Phila.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

Richardson and Boynton Co. 1332 Arch st., Phila.

## Hollow Tile.

O. W. Ketcham.....Builders' Exchange, Phila.

## Insurance.

Harris J. Latta.....Pennsylvania Bldg., Phila.  
Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.

Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Iron and Steel Bars and Plates.

McCalla Co., The Harold... 531 N. 4th st., Phila.  
Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Levels.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Light Iron Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lumber.

Wm. Lloyd Co.....29th and Ridge ave., Phila.

James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Marble Mosaic.

Belf Bros. & Co.....1923 Market st., Phila.  
Italian Marble Mosaic Co... 433 Spruce st., Phila.

Roman-Cianci Co., Inc... 3428 Warren st., Phila.

## Metal Lath.

Audubon Wire Cloth Co., Inc.... Audubon, N. J.  
Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.

General Fireproofing Co. 512 Bulletin Bldg., Phila.

McCalla Co., The Harold... 531 N. 4th st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.

Truscon Steel Co.... Commonwealth Bldg., Phila.

## Metal Lath Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Metal Tiles and Shingles.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Meters.

Philadelphia Meter Co.,  
Real Estate Trust Bldg., Phila.

## Mill Supplies.

The Fairbanks Co.....7th and Arch sts., Phila.

## Paints and Varnishes.

The Barrett Company,  
New York and Philadelphia.

French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

## Paving Bricks.

O. W. Ketcham.....Builders' Exchange, Phila.

John S. E. Pardee & Co.....Heed Bldg., Phila.

## Pipe Fittings and Valves.

The Fairbanks Co.....7th and Arch sts., Phila.

## Plumbing Fixtures.

Fleck Bros. Co.....44 N. 5th st., Phila.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Preservatives (Wood and Concrete).

The Barrett Co.....New York City and Phila.

## Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.

Richardson and Boynton Co. 1332 Arch st., Phila.

## Refrigerators.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.

## Reinforcing Bars.

Morris Wheeler & Co. 30th and Locust sts., Phila.  
Truscon Steel Co.... Commonwealth Bldg., Phila.

## Roofing.

The Barrett Co.....New York City and Phila.

## Roofing Tile.

O. W. Ketcham.....Builders' Exchange, Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Roofing Tin.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Roofing Slate.

William Moore Co.....1506 Sansom st., Phila.

## Safety Guards.

Audubon Wire Cloth Co., Inc.... Audubon, N. J.  
Kensington Metal Co.... 1612 N. 2nd st., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

## Screens.

Thos. J. Malia.....141 Wentz st., Phila.

## Steam Specialties.

Apeldorn & Beatty Co.....155 N. 9th st., Phila.

## Slate.

William Moore Co.....1506 Sansom st., Phila.

## Soundings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co.....Bourse Bldg., Phila.

John B. Rulon.....1355 Colwyn st., Phila.

## Structural Slate.

William Moore Co.....1506 Sansom st., Phila.

## Structural Steel.

McCalla Co., The Harold... 531 N. 4th st., Phila.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Surety Bonds.

Harris J. Latta.....Pennsylvania Bldg., Phila.  
Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.

Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co.....Bourse Bldg., Phila.

John B. Rulon.....1355 Colwyn st., Phila.

## Tile and Terrazzo Work.

Belf Bros. & Co.....1923 Market st., Phila.

French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

Italian Marble Mosaic Co... 433 Spruce st., Phila.

Roman-Cianci Co., Inc... 3428 Warren st., Phila.

William Moore Co.....1506 Sansom st., Phila.

## Tiling.

William Moore Co.....1506 Sansom st., Phila.

## Transits.

Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

## Ventilators.

Merchant & Evans Co.,  
2035 Washington ave.

## Water Paint.

Wm. B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Waterproofing.

The Barrett Co.....New York City and Phila.

## Water Supply.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Weather Strip (Metal).

American Metal Weather Strip,  
2118 Diamond st., Phila.

Thos. J. Malia.....141 Wentz st., Phila.

## Wheelbarrows.

The Fairbanks Co.....7th and Arch sts., Phila.

## Wire Work.

Audubon Wire Cloth Co., Inc.... Audubon, N. J.  
Kensington Metal Co.... 1612 N. 2nd st., Phila.



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1919

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## ASSETS

|                                      |                 |
|--------------------------------------|-----------------|
| Bonds and Stocks.....                | \$24,280,745.19 |
| Cash in Banks.....                   | 2,395,335.33    |
| Premiums in course of transmission.. | 3,203,681.96    |
| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

## LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

Total Liabilities ..... \$30,801,413.40

Surplus to Policyholders..... \$ 12,922,516.93

Losses paid since organization 203,147,689.78

The Oldest American Stock Insurance Company

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Sprinkler  
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FIRE-PROOF STEEL PRODUCTS

Standard Hollow Tile

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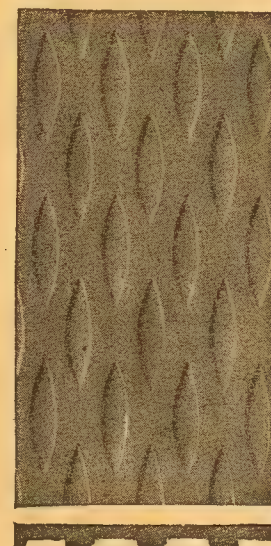
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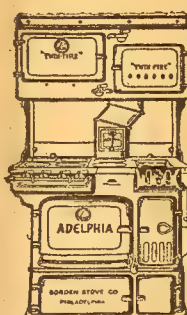
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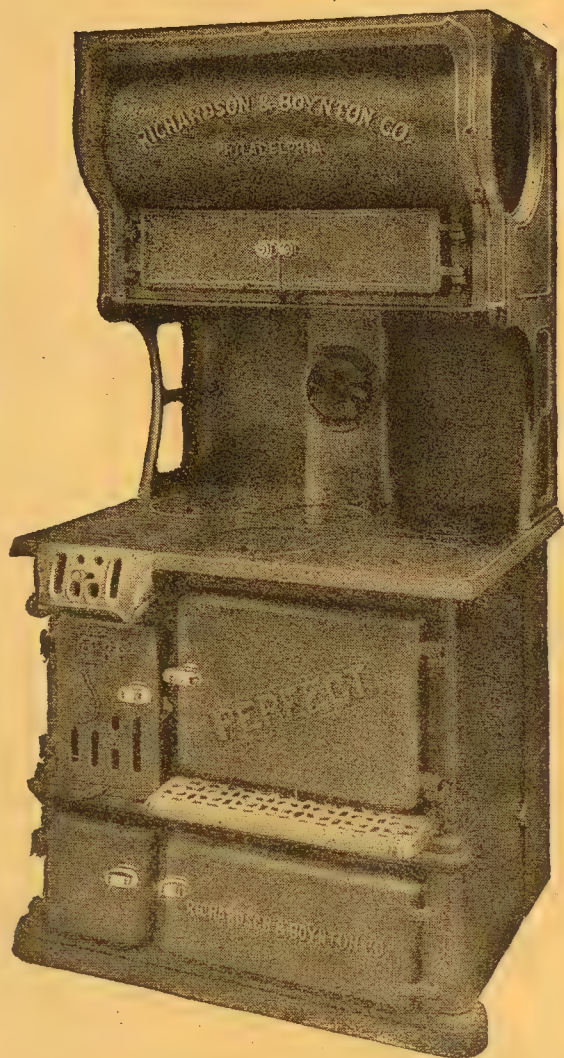
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 23  
June 4, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

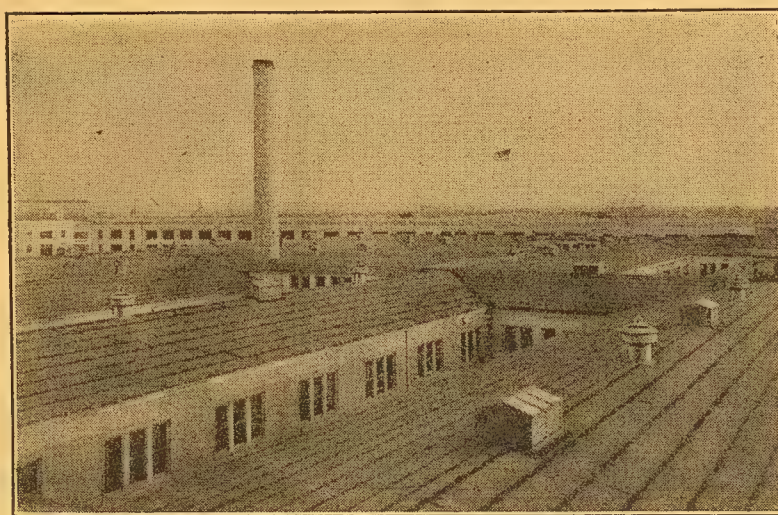
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Test Borings

Artesian Well  
Drilling Co.

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225 COMMONWEALTH BUILDING

Base and Floor  
one continuous  
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should be used wherever a sanitary floor is desired. Practically noiseless, it is the ideal floor for schools, public buildings, railway stations, stores, kitchens, etc.

**Damp, Fire and Vermin Proof**

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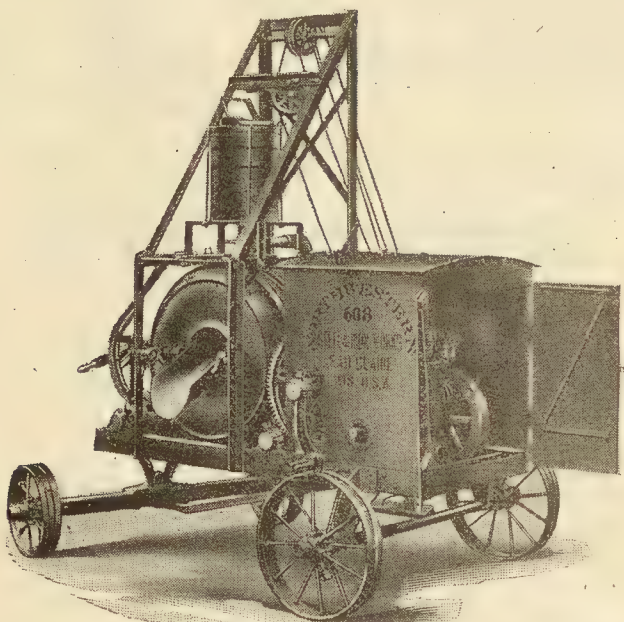
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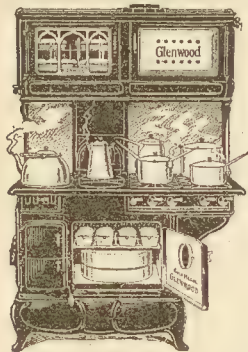
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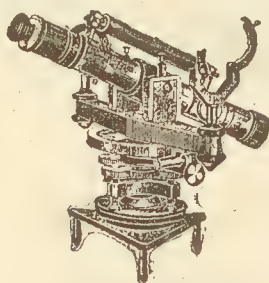
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

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## As The Editor Sees It



NOTHING could produce more unbounded joy today than the longed for drop in building prices. The existing shortage of houses and apartments in the country must be overcome, yet there is still a reluctance on the part of many prospective builders to go ahead with their work, in view of the vain hope for lower prices. This reluctance to build and the holding up of these very necessary projects are among the causes of the high prices prevailing today.

Cutting down production, producing less food, less clothing, less fuel, less construction material, never has and never will reduce prices. Increase production is the answer to the question of how we can reduce living costs.

We must have production if we are to have lower living costs. In modern industry production is stimulated by construction. Construction is a basic industry. If you build a home you make business for more than a hundred correlated and contributing industries. Each building erected sends its wave of demand through the industrial organization, from the ditch diggers to the bank presidents and back, and, by way of pay envelopes, to the ditch digger again.

An immediate resumption of construction activities will do more than any one thing to stimulate general business and accelerate the transition of industry from war demobilization to the peace normal.

Construction stimulates production—it creates the demand—and production

must increase until it reaches the volume production necessary to decrease unit costs before prices are lower.

A universal construction program means more to the United States right now than at any time in its history. It means individual efficiency of labor; it means increased production in all correlated industries; it means increased material demands until production reaches the quantity production level necessary for reducing unit costs; eventually it means lower prices.

Construction material prices will not be lower until production is increased; costs will not go down until quantity production permits us to avail ourselves of the economy of the maximum efficiency of labor and machinery.

To increase labor efficiency; to increase production; to lower construction material prices—build now.

\* \* \*

IN last week's issue of the "Guide" we discussed the relative merits of architects and engineers as planners. We are of the opinion that the field of architecture is distinct and separate from that of engineering, but both are necessary for the success of construction. Nevertheless there is still much rivalry between the professions, and a continual overstepping of the bounds which separate them. There should, we believe, be harmony and unity.

According to Mr. George Hancock in his presidential address before the North Dakota Architects' Association, en-

gineers, by their energy and success in gaining the public ear, are fast driving the modest, timid architects out of business. To offset this tendency, he continued, we notice that many architects, in order to keep up with the procession, have added the title of engineer to that of architect for the purpose of impressing the public with their superior qualifications over and above that of the properly trained architects who make no claim to other professions. Architecture and engineering are two separate and distinct professions, and it is given to but few men to master the intricate details of both, so that in most cases the assumption of the dual title is used for the sole purpose of gaining advantage over those who do not have the temerity to adopt such with little or no preparation.

The Massachusetts Institute of Technology makes the distinction between architecture and engineering and has separate courses for the training of students in each, as either is all that the average intellect can properly master with credit to himself. So that the mere adoption of a title without the necessary training to properly sustain it should at least be discouraged by all self-respecting architects.

Some professions, such as the law, are held in less esteem than that of architecture, and if we would increase respect for our profession we must command it through our work and that will bring us the public recognition we so urgently need.

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It is useless for us to look to the law courts for protection, as the lawyer is the only winner where such efforts are made, but as a reason for hope in the improvement of our chosen calling, we have only to look at the host of poorly paid teachers and clergy to learn that our lot is no harder than theirs, in the matter of lack of appreciation of the service they render to the public. It is well to think of others when disposed to complain of our lot.

If we could succeed better than they we must do better and nobler work, with our minds set more on achievement than on temporary financial success. It is futile to complain that this is a commercial age, with but little public appreciation of art; such whining does no good and only indicates weakness. There is just as much artistic taste and feeling in the world today as in the days of Titian and Michael Angelo, and it is for us to satisfy this artistic taste and feeling if we would succeed in gaining for our profession the respect and recognition to which we believe the nobility of architecture is entitled.

During the past ten centuries architecture has come through many changes and developments. The eighth and ninth centuries gave us the unique creations of the Saxons; the tenth and eleventh centuries the solid, honest Norman work that has so well stood the test of time, as evidenced at Winchester and Durham.

The twelfth and thirteenth centuries gave us the pure and graceful early French and English Gothic that so clearly expresses the aspirations of the people of those nations in the magnificent creations of Rheims and Amiens, Salisbury and Westminster, the like of which has never been seen before or since that age. The fourteenth and fifteenth centuries gave us the geometrical and perpendicular styles, often referred to as the climax and full development of gothic architecture in Europe.

Such art and architecture as the people of those times produced should serve as a stimulant to greater efforts of the younger architects of our time. They had no examples to guide them and their work was the result of creative and imaginative concentration and skilful independent effort.

Shall we, then, with all these beautiful examples before us and the numerous examples of the Renaissance of the sixteenth century, and the more recent productions of Jones and Wren and the revival of the Romanesque by Richardson and Hunt in this country, fail for the lack of making an effort to merit the recognition we so earnestly crave? No, we must attempt much even if we accomplish little, but as effort is the parent of results, we can expect no recognition

by the public unless we command its attention.

By education and experience the architect of today should be better qualified to handle successfully building operations of all kinds than men not having such qualifications, but the public cannot appreciate this for the reason that the architects have not done their part in the instruction of the public to the point of appreciation of their service to their clients and to the public in general.

Undue modesty on the part of the trained architect is doubtless the cause of this shyness and should be overcome by a much-needed change in the method of bringing the client and architect together, on a better and fuller understanding of their relationship to each other, and to protect the public from the trickery of the faker and charlatan who is ever ready to pluck the fruits of honest effort along all professional lines. The men who have fitted themselves by great expenditure of money and time to serve the public in an honest and skilful manner must have some protection as against quacks who have no training in architecture and who do their work by proxy and only see the commission or money side of the profession.

The licensing of all architects is a reasonable solution of the problem.

\* \* \*

#### THE QUANTITY BUREAU IN AMERICA

All builders have probably heard of the quantity survey system of taking off quantities from plans. Most of you approve of it in so far as the theory of the system goes, but its actual application in America has received but scant publicity and you are somewhat in doubt as to its practical value in your work. You are not sure that such a scheme is possible in this country nor that it is adaptable to our methods.

You may not know that there are now several professional Quantity Surveyors in independent practice in this country and that there are a score or more of quantity survey bureaus maintained by as many different associations connected with the building trades.

A brief description of the quantity survey system as practiced abroad will refresh your memory and prepare you for the description of the adapted methods now used in America. The system probably originated in England and it has spread from there to Scotland, Ireland, Australia, France, Germany, and South Africa, and within the past ten years to America.

Wherever the system has gained a foothold it has crowded out the old haphazard methods of "guesstimating." In England the Quantity Surveyor is a professional man who devotes his entire time

to the practice of his profession. He is a highly trained expert who takes off the quantities from the plans. He lists every single solitary item that goes into the work; he goes through a plan with a fine toothed comb and nothing escapes him. He can't afford to *guess*, he must *know*! His professional standing depends on the reliability of his lists of materials. This makes him careful and exacting and if the specifications are vague or if the plans are not definite he immediately calls on the designer for a clear explanation. Thus the doubtful points are taken care of before the work is begun and while the designer remembers just what he intended to do. The long list of "extras" is reduced to an almost negligible quantity and the many disputes growing out of them are avoided.

In general, the professional Quantity Surveyor in this country follows out the methods used abroad. That is, he is a professional man just as the architect or builder is. The extension of this new profession to builders in general is highly problematical and it is doubtful if its services will ever be available outside of the larger cities. On the other hand, the success of quantity survey bureaus as established by builders' organizations is practically assured, even in small communities.

In establishing such a bureau the first thing to be done is to get together. This means that an association must be formed. This organization must be a permanent one, and a live one. Regular meetings should be held and the meetings should be devoted to discussions of the problems in hand. We have lately found that competition doesn't mean that we are to stand alone and make all of our moves in secret. We have found that we are the gainers by associating with men who are attempting to solve the same problems that we are working on. This sort of an association isn't a far-fetched dream, it is a present reality that has been proven wholly practicable. In those that are operating today you will find members who are the liveliest of competitors actually working together to solve some particularly difficult problem.

From the very first it must be understood that in forming a quantity survey bureau, every member must do all in his power to make it efficient. Each individual must lay bare his so-called "trade-secrets." He must give the bureau every advantage to assure its success.

It is often difficult to persuade a man who has built up what he considers to be an efficient method of estimating, that he will derive any benefit from allowing his competitors to use his knowledge of taking off quantities. He argues that it is this very thing that makes him suc-



cessful and that if he puts them next to his methods he will lose his advantage. This argument is not only selfish and narrow, but it is shallow. We all know that most of the failures among builders are due to faulty methods of estimating. A man may be honest and a creckerjack when it comes to handling the work in the field, but he is weak on taking off quantities from the plans. He "guesstimates" on a job; often lands it for that reason; and sooner or later goes broke. In the meanwhile, the man who has the efficient method of estimating, but didn't get the work because his competitor guessed wrong has plenty of time to sit around and figure out how much it cost him to bid on that job.

If each of these men had based his bid on the same lists of materials, there would have been fairer competition, based on true values and neither would have suffered any great loss. Another thing, the man who prides himself on his superior knowledge of estimating may be fooling himself. It is rather easy for some people to consider that they have a monopoly on all of the trade secrets and that nobody can tell them anything. These persons often find that the very secrets that they guard so carefully are "old stuff" to their competitors and have long been discarded for more accurate methods. It is pretty hard to find anyone who can't tell us something new these days.

Another objection that has been raised is that it gives outsiders a chance to come in and bid on work that rightfully belongs to another community and lays all of the figures open to the inspection of outsiders and places them on an equal footing that is unfair to the local builders who have built up the system.

By the very nature of things this is no more true of the new system than of the old one. The only thing that there is of common access is the bill of material. The cost of the material and the labor of placing it is still on a competitive basis. The outsider will have no more knowledge of your methods of arriving at costs than your associates in the bureau. But to remove this bone of contention, there is no reason why a non-member should be given the lists of quantities. Let the outsiders "guesstimate" in the usual manner. But, be careful, he may "guesstimate" too low and land the job because he failed to include everything. This is a ticklish point that should be carefully considered.

As a practical working example of how these bureaus are conducted two of those now successfully operating in Milwaukee, Wis., will be discussed. One is the Millwork Bureau, the other is the Concrete Builders' Bureau. Each has

been operating for more than six years and is thoroughly established. The success of these bureaus is entirely due to the co-operation of the members. They are more enthusiastic today than when they were established. This is shown by the attendance at their weekly dinners which averages 85% of the total membership. At these dinners every man strives to outdo his neighbor in doing his bit toward helping the other fellow. Criticism is strictly taboo unless a remedy for the evil accompanies it.

The actual operation of these bureaus is comparatively simple; the plans are delivered to the bureau and turned over to an expert estimator. This estimator has nothing to think about except his bill of materials; all of his time is given to estimating. He lists the quantities and checks and rechecks his estimates until he is sure that they are correct. Uniform lists of the materials are then prepared and given to the bidders. Only those bidders who present written orders from the owner or architect are entitled to receive the lists. No member of the association is allowed in the estimator room at any time. This rule is to prevent members from knowing just what jobs are being estimated. In the Concrete Builders' Bureau the cost of estimating is based on the percentage of cost of the material: 1% on jobs running below \$50,000.00 and 1/2 of 1% on those above \$50,000.00; this fee being paid by the successful bidder and any surplus remaining at the end of the year is returned to the members.

In the Millwork Bureau the cost of maintaining the bureau is charged to the members at the end of a certain period of time and the amount each member pays is based on the amount of work that he does during that period. The two methods amount to practically the same thing. The members pay for what they get and no more.

A summary of the advantages of the quantity survey system includes these points:

1. The cost of estimating is reduced by doing away with a duplication of work.
2. The man who gets the job pays for the estimate. The unsuccessful bidders are put to only a fraction of the expense that now prevails.
3. The bidding is on a true competitive basis and the gambling feature is almost eliminated.
4. The estimates are far more reliable, as much more time and study can be given to them.
5. The plans and specifications are rendered more exact as the designer is called on for explanations of any doubtful points before the contract is let.
6. The lists may be used in accurately

determining the amounts of payments due on certificates and in adjusting the prices for added or omitted work.

7. Builders have more time to spend on work instead of being in the office figuring jobs.

8. The "skinner" is forced to bid on exactly the same terms as his honest brothers.

—NATIONAL BUILDER.

\* \* \*

## "LEAGUE OF NATIONS" IN BUILDING TRADES TO HANDLE ALL DISPUTES.

By EDWARD A. ROBERTS,

*Secretary Cleveland Builders' Exchange.*

Following closely the proposal for a league of nations is an alliance now being formed to abolish the evils of jurisdictional disputes on buildings. The differences between the trades have been a frequent and persistent cause of strikes. If the peace plan carries, a blessing will have been bestowed upon all elements of the building industry.

According to statistics compiled at Washington this industry is second only to agriculture in national importance. This fact emphasizes the benefits to be derived from any movement which reduces to a minimum the obstacles in the way of its steady progress. The additional fact that all branches are back of this new undertaking and that the general plan has already been adopted by representatives duly qualified to act, promises well for its ultimate realization.

Preliminary steps were taken at a recent conference held in Cleveland following which an outline of the scheme was printed and is now being considered by national organizations enrolled in the movement, including the American Institute of Architects, the National Association of Builders' Exchanges, the Associated General Contractors of America, the building trades section of the American Federation of Labor and the United States Department of Labor. All of these organizations are enthusiastic in support of the plan. \* \* \*

The far-reaching effect of the move can be understood only when present conditions are studied. Scarcely can a building of any kind be erected without interruption and interference, sometimes very costly as to what trade shall perform certain features of the work. These points of difference have arisen from the gradual development of specialized trades and contending claims for work among these trades.

The introduction of new devices and appliances has added complexities to the situation. In some instances certain work is claimed by three or four classes of workmen. While the contractor or owner is willing to go along with any

(Continued on Page 332.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING;  
CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Factory (add.),** Fourth and Arch streets, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Ketterlinus Co., Fourth and Arch streets, Philadelphia. Reinforced concrete and steel, 8 stories, 55x140 feet, slag roof, concrete floors, metal lath, marble and terrazzo work, rolled steel sash and skylights, fire doors, metal lath, safety treads, concrete foundations (heating and lighting reserved). Architects taking bids due June 6th. Barclay White & Co., 1713 Sansom street; Cramp & Co., Denekla Building; Warren-Moore Co., Colonial Trust Building; P. Haibach Cont. Co., Twenty-sixth and Thompson streets, and Turner Const. Co., 1713 Sansom street, figuring.

**Residences (4),** Overbrook, Philadelphia. Architects, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Steltz & Maloney, 1208 Chestnut street, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, stone foundations, hot water heat, combination light, tile and marble work, hardwood floors. Owner will take sub-bids in a week.

**Family House,** Overbrook, Philadelphia. Architects, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Steltz & Maloney, 1208 Chestnut street, Philadelphia. Brick, 2 stories, irregular size (2 family), slag roof, stone foundations, hot water heat, combination light, tile and marble work. Owners will take sub-bids in a week.

**Residences (24),** Marvine and Courtland streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street. Owner, John F. McGinty, 2010 North Broad street, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, hardwood floors, hot water heating, combination lighting, tile and marble work. Owner is taking sub-bids.

**Residences (36),** Camac and Lindley avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, George W. Schwinn, 1924 North Sixth street, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, hardwood floors, hot water heat, combination light, tile and marble work. Owner is taking sub-bids.

**Residences (52),** Carlisle street, Somerville avenue and Fisher's avenue. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Robert D. Hamilton, Twelfth below City Line, Philadelphia. Brick, (36) 2 stories, (16) 3 stories, 16x47 feet, slag roof, hardwood floors, hot water heating, electric lighting, tile and marble work. Owners are taking sub-bids.

**Residences (10),** York road, Bristol street and Hunting Park avenue, \$76,000. Architect, private plans. Owner, William O. Mahon, 6752 York road, Philadelphia. Brick, 2 and 3 stories, slate and slag roof, hot water heating, electric lighting, tile and marble work, oak floors. Owner will build.

**Dwellings (29),** Eighth and Ruscomb

streets, Philadelphia, \$130,500. Architect, private plans. Owner, W. Fischers Son, Hutchinson and Ruscomb streets. Brick, 2 stories, 16½x45 feet and 15x33½ feet and 11x11½ feet, slag roof, hot water heat, electric light, tile work, hardwood floors. Owners will build.

**Shop (add.),** Southeast Corner Front and Kenilworth streets, \$12,000. Owner, General Eng. Works, Inc., 719 South Front street. Brick, 1 story, 57x148½ feet, slag roof, cement floors. Owner will build.

**Garages (16),** 803 to 829, 901 and 903 North Sixty-fourth street, Philadelphia, \$11,200. Architect, private plans. Owner, Moss & Taylor, Fifty-eighth and Girard avenue. Brick, 1 story, 12x20 feet, slag roof, cement floors. Owners will build.

**Building (alt. and add.),** 223 North Twenty-first street, Philadelphia. Architect, John T. Windrim, Commonwealth Building. Owner, County Commissioners, 130 City Hall, Philadelphia. General alterations and add., plumbing, heating, ventilators and electric work. Owners taking bids due June 16th at noon. Deposit \$10.00, refund \$5.00.

**Residence and Garage,** Fifty-third and Wynnefield avenue, Philadelphia. Architect, Frank Seeburger, 1524 Chestnut street, Philadelphia. Owner, Hyman Brodsky, 5315 Wynnefield avenue, Philadelphia. Stone, 2½ stories, 85x33 feet, wing 16x23 feet, garage, 1½ stories, 24x35 feet, slate roof, cement and pine floors, stone foundations, electric light, tile work, iron work (heating and plumbing reserved). Architect has received bids.

**Store and Apartments (alts.),** 9 South Sixteenth street, Philadelphia. Architect, Robert W. Pollock, 1802 Chestnut street, Philadelphia. Owner, Frank L. Tartaglia, on premises. Brick, terra cotta and stucco, 4 stories, 18x44 feet, composition and slag roof, pine floors, tile and marble work, metal lath, iron work. Architect has received bids.

**Garage,** Thirteenth street and Oak Lane avenue, Oak Lane, Philadelphia. Architect, private plans. Owner, Thomas Bernard, on premises. Brick, 1 story, 70x82 feet, slag roof, cement floors, stone foundations, steam heat, electric light. Owner has received bids.

**Church (add.),** Wyalusing avenue, near Fifty-fourth street, Philadelphia. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, Advent Church of the New Jerusalem, on premises. Stone, 1 story, 36x60 feet, slag roof, pine floors, stone foundations, electric lighting, heating and plumbing, extension. Architect will be ready for bids in a week.

**Business Building,** 921 Locust street, Philadelphia. Architect, private plans. Owner, Henry C. Dahl, 231 South Eighth street. Brick, 2 stories, 23x123 feet, slag roof, cement floors, stone foundations, electric lighting. Owner will build.

**Bank,** Ridge avenue and Columbia avenue and Twenty-third street, Philadelphia. Archi-

tect, Carl P. Berger, 1410 South Penn Square. Owner, Northwestern Trust Co., Ridge and Columbia avenues. Granite, 1 story, gallery and basement, 100x139 feet. Plans in progress. Too early for details.

**Storage House (add.),** West Philadelphia. Architects, Custer & Gill, Third and Market streets, Camden, N. J. Owner, name withheld. Brick, slow burning, 5 stories, 60x80 feet, slag roof, wood floors, electric light, hollow metal skylights. Architect ready for bids due June 14th.

**Sub-basement and Basement,** Art Museum, Parkway, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Commissioners of Fairmount Park, 127 City Hall. Concrete and steel, irregular size, 500 feet long, concrete and steel. Owners have received bids.

**Dwellings (2),** Bryn Mawr and Overbrook avenues, \$20,000. Owner, T. F. Reilly, Bryn Mawr and Overbrook avenues. Stone, 3 stories, 51½x36½ feet, 23x24 feet and 75½x33½ feet, 20x22 feet, slate roof, hot water heating, electric lighting. Owner will build.

**Dwellings (10) (2 family),** Chancellor street, West of Fifty-ninth street, \$60,000. Owner, A. J. Boyan, 5955 Spruce street. Brick, 2 stories, slag roof, hot water heating, electric lighting. Owner will build.

**Residences, 16 or 18,** Forty-seventh and Larchwood avenue, Philadelphia. Architect, private plans. Owner, Clarence R. Segal, Forty-seventh and Larchwood avenue, Philadelphia. Brick, stone and stucco, 3 stories, slate, tile, slag and tin roof, oak and pine floors. Details not decided. Owner is ready for sub-bids.

**Buildings, Nos. 6, 7, 8 and 9,** Girard College, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owner, Girard College, Philadelphia. Repairing asphalt floors, painting, tile work, plumbing, iron fence, concrete gutters, plastering, mill work, fence 176 feet long. Architect taking bids due June 5th. H. E. Baton, 1713 Sansom street; F. A. Havens, 845 North Nineteenth street; H. H. Burrell, 206 South Quince street; F. L. Hoover & Sons Co., 1023 Cherry street; F. W. Van Loon, Denekla Building, and Jacob Myers & Sons Co., Witherspoon Building, are figuring.

**Residence (atls.),** 1715 North Eighteenth street, Philadelphia. Architect, Andrew J. Sauer & Co., 908 Chestnut street, Philadelphia. Owner, Frank Stern, on premises. Brick, 3 stories, electric lighting, parquet floors, plastering, painting, mill work. Architect has received bids.

**Residence (alts.),** 1705 Jefferson street, Philadelphia. Architect, Andrew J. Sauer & Co., 908 Chestnut street, Philadelphia. Owner, Maurice A. Leberman, on premises. Brick, 3 stories, mill work, painting, plumbing, plastering, electric work. Architect has received bids.



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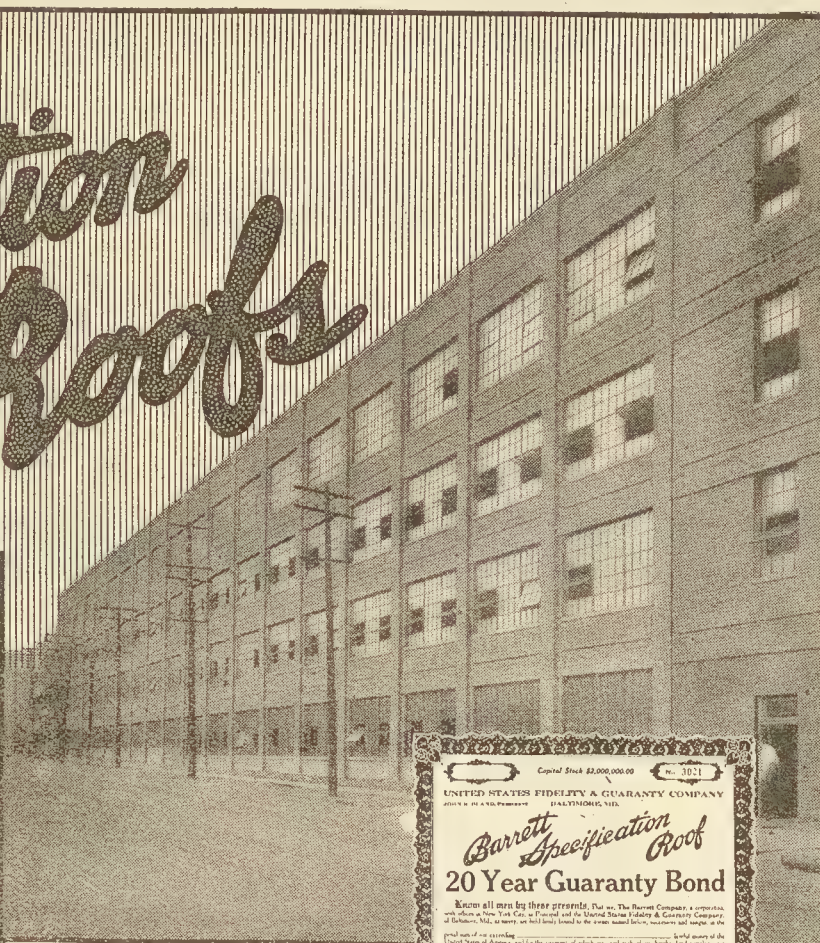
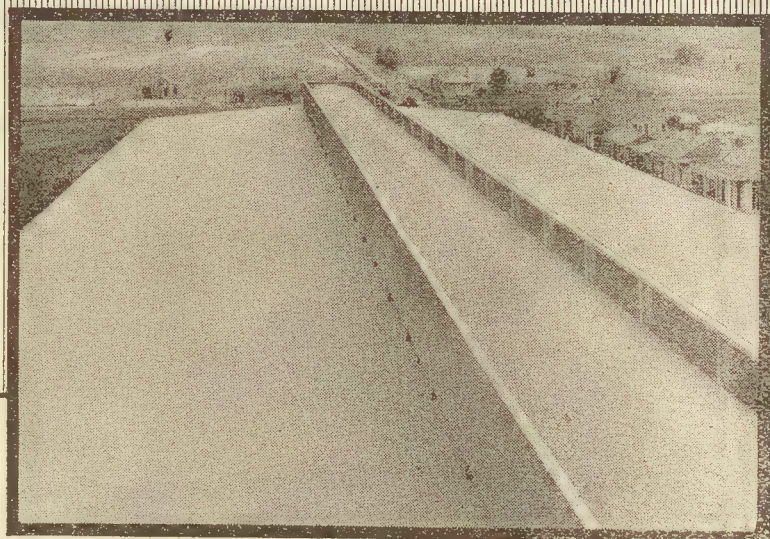
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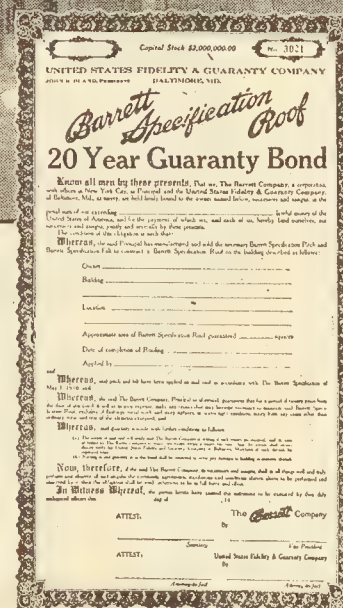


# Barrett Specification Roofs



Barrett Specification Roof on Plant No. 3 of The Studebaker Corporation, at Detroit, Mich. Roofers: The Howie Company, Detroit, Mich.

Photo at left: Barrett Specification 20-Year Roof on Acid Plant of Swift & Company, Harvey, La. Roofer: Kracke & Flanders Company, New Orleans, La. General Contractors: Huggar Bros., Montgomery, Ala.



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# Elevator Enclosures

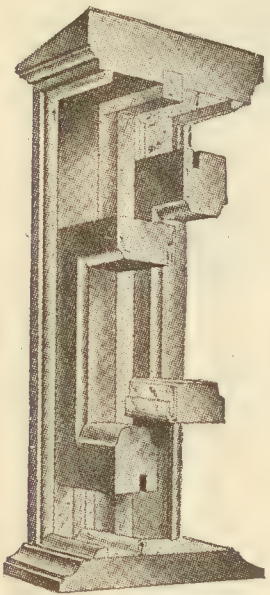
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Dwellings (6), Sixtieth street, between Chancellor and Locust streets, \$98,000. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, Nathan Raidman, 4737 Sansom street, Philadelphia. Brick, 3 stories, 19½ x 72 feet, 16x25 feet, 13½x42 feet and 16½x 72 feet, slag roof, hot water heating, electric lighting, tile and marble work, oak floors, cement work. Owner will build.

Dwellings (4), Weidner avenue, east of Fifteenth street. Architect, private plans. Owner, James Friedman, 2135 North Seventh st., Philadelphia. Brick, 2 stories, 16x53½ feet, slag and slate roof, hot water heat, electric light, pine and oak floors. Owner will build.

Stores (5), Seventy-second and Elmwood avenue, Philadelphia, \$12,500. Architect, private plans. Owner, T. P. Smart, 7250 Elmwood avenue, Philadelphia. Brick, 1 story, 16½x45 feet, slag roof, electric light, pine floors, flush bulks. Owner will build.

Residences (30), Berkley and Pulaski avenue, \$21,000. Architect, Andrew C. Borzner, 718 Walnut street, Philadelphia. Owner, Robert Killough, Wayne and Duval streets, Philadelphia. Stone, brick and stucco, 2 stories, 16x39 feet, slag roof, stone foundations, hot water heat, electric light. Owner taking sub-bids.

Residences (30), Sixty-fourth and Lansdowne avenue, Philadelphia, \$10,000 each. Architect, private plans. Owners, Moss & Taylor, Fifty-eighth and Girard avenue. Stone, 37x80 feet, slag roof, oak floors, stone foundations, hot water heat, electric light, tile and marble work. Owners are sub-letting.

Residences (16), Foulkrod street, Philadelphia, \$8,500 each. Architect, private plans. Owner, Wm. A. Lechter, 3705 Germantown avenue. Stone and brick, 2 stories, 16x50 feet, slag roof, stone foundations, hot water heat, electric light, tile work, oak floors. Owner is taking sub-bids.

Residences (57), Store, Residence and Garage (3), Willow avenue, between Fifty-fourth and Fifty-fifth streets. Architect, private plans. Owners, Ferguson & Collins, Fifty-sixth and Willow avenue. Brick and stone, 2 stories, 15x46 feet, slag roof, stone foundations, oak floors, hot water heat, electric light, tile work. Owners are taking sub-bids.

Residences (8), 4 pairs Twins, Sixty-ninth avenue and Broad street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street,

Philadelphia. Owner, Russell H. Foster, Sixty-eighth avenue and Broad street. Stone, 2 stories, 16x52 feet, slate and slag roof, oak floors, hot water heat, electric light, tile and marble work. Owner will take sub-bids.

Residences (15), Northeast Boulevard, Eighth and Ninth street. Architect, private plans. Owner, R. R. Zane, Ninth and Northeast Boulevard, Philadelphia. Stone, 2 stories, 17x60 feet, slag roof, oak floors, stone foundations, hot water heat, electric light, tile work. Owner taking sub-bids, due as soon as possible.

Residences (24), St. Martins, Springfield and Navahoe street. Architect, private plans. Owner, J. M. Zane, Ninth and Northeast Boulevard, Philadelphia. Stone, 2½ stories, 28x42 feet, slate roof, oak floors, stone foundations, hot water heat, electric light, tile and marble work. Owner will take sub-bids in a few days.

Fire Tower and Surgical Pavilion (Completion), Thirty-fourth and Spruce streets. Architect, T. Mitchell Hastings, 1713 Sansom street, Philadelphia. Owners, Trustees of University of Pennsylvania, Thirty-fourth and Spruce streets. Reinforced concrete, steel and brick, 7 stories, 15x12 feet, cement floors, hollow tile, metal lath, concrete foundations, marble work, hollow metal sash, kalamein doors, iron stairs, waterproofing, dampproofing. Architect taking bids, due June 11th. Wills-Ludwick Co., 1708 Sansom street; Irwin & Leighton, 126 North Twelfth street; Stacy Reeves & Son, 2011 Market street; Pomeroy Const. Co., 1609 Ranstead street; H. E. Batton, 1713 Sansom street, and H. E. Grau Co., 1707 Sansom street, are figuring.

Parish House, Eighty-fifth and Gibson avenue. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owners, St. Cyprian's Parish, Eighty-fifth and Gibson avenue. Stone and steel, 1 story, 46x61 feet, slag roof, pine floor, roof ventilators (heat, electric light and plumbing reserved). Architect taking bids, due June 9th. Thomas C. Trafford, 1613 Sansom street; J. M. Yardley, 1716 Sansom street; J. Sims Wilson Co., 1125 Brown street, and Smith-Hardican Co., 1606 Cherry street, are figuring.

Cold Storage Warehouse, Venango and War-nock streets. Architect, Fred T. Uezzell, 717 Walnut street, Philadelphia. Owners, McCray

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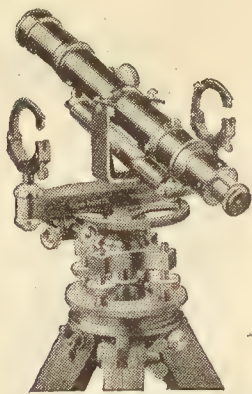
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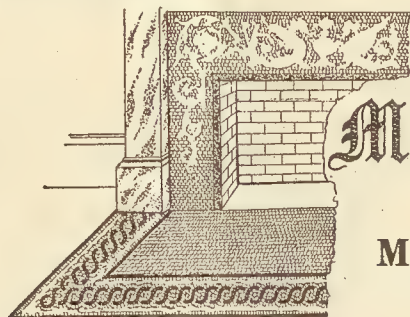
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Chestnut street; E. E. Hollenback, Inc., 1804 Brandywine street, and Wills-Ludwick Co., 1708 Sansom street, are figuring.

..Elevated Stations (4), Cont. Nos. 564-565, FFrankford Elevated. Architect, private plans. Owners, City of Philadelphia, Department of City Transit, Mershon Building. Brick, reinforced concrete, steel and terra cotta, etc. All bids rejected. Owners will take new bids.

Perrot, Seventeenth and Arch streets, Philadelphia. Owners, F. W. Tunnell & Co., on premises. Brick, 2 stories, 87x100 feet, slag roof, composition floors, rolled steel sash and skylights, slate work (heat and light reserved). Contract awarded to W. O. Springer, 1624 Latimer street, Philadelphia.

Residence (alt. and add.) to Apartments, Seventeenth and Diamond streets. Architects, Custer & Gill, Third and Market streets, Camden, N. J. Owner, name withheld. Brick and frame, 4 stories, 18x40 feet, tile roof, pine floors, hot water heat, electric and gas light, tile and marble work, pine floors. Contract awarded to A. R. Raff Cont. Co., 1635 Thompson street, who are taking sub-bids.

Tunnel for Pipe, Spec. 3879, Navy Yard, Philadelphia. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Reinforced concrete, 8x8 feet, 1485 feet long, electric light, waterproofing. Contract awarded to E. C. Fish Co., Real Estate Trust Building, \$90,275, 120 days.

Residence and Garage, Lindley avenue and Warnock street. Architects, MacKenzie & Wiley, 806 Liberty Building. Owner, Dr. W. S. Schantz, Allegheny avenue and B streets, Philadelphia. Stone, 2½ stories, 26x32 feet, and 1 story, 18x20 feet, slate and tin roof, stone foundations, hot water heat, electric light, tile and marble work, oak floors, metal lath. Contract awarded to Davis & Clayton, 1817 North Twentieth street, Philadelphia.

Garage, rear 1941 North Broad street, Philadelphia. Architect, private plans. Owner, L. J. Link, on premises. Brick, 1 story, 16x20 feet, slag roof, stone foundations, electric lighting, cement floor. Contract awarded to H. C. Dahl, 231 South Eighth street, Philadelphia.

Residence (alts.), 333 South Eighteenth street, Philadelphia. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owner, James E. Walsh, 504 Walnut street, Philadelphia. General remodeling, slag, tin and slate roof, oak floors, hot water heat, electric

& Hunter, Venango and Warnock street. Brick and steel, 90x101 feet, slag roof, pine floors, electric light, stone foundations, elevator, rolled steel doors, iron work. Architect taking bids, due June 6th. J. Y. Loux, 3731 Old York Road; Monaghan & Losse, Inc., 3016

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Store Building (alts.), 1110 Chestnut street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, S. Kind & Sons, 1110 Chestnut street. Brick, 4 stories, 32x214 feet, repairs to roof and floors, hot water heat, tile and marble work, metal lath and window guards, kalamein doors, ornamental iron work (electric work and decorating reserved). Contract awarded to J. Sims Wilson Co., 1125 Brown street.

Residence (alt. and add.), 542 Hermitage street, \$4,000. Architect, private plans. Owner, Walter Flanagan, on premises. Brick and stucco, 2 stories, 16x18 feet, 9x12 feet, tin roof, oak floors, stone foundations, steam heat, electric light, tile work. Contract awarded to E. C. Durell, 1713 North Twenty-fourth street.

Garage Building, Nineteenth street above Montgomery avenue, \$10,000. Architect, private plans. Owner, B. S. Neal, on premises. Brick, 1 story, 36x105 feet, asphalt roof, cement floors, stone foundations, electric lighting. Contract awarded to E. C. Durrell, 1713 North Twenty-fourth street, Philadelphia.

Service Station, Southeast Corner Sixty-third and Ludlow streets, \$12,000. Architect, private plans. Owner, Atlantic Refining Co.,

3144 Passyunk avenue. Brick and terra cotta, 1 story, 24x24 feet, tile roof, cement work. Contract awarded to Metzger & Fisher, Otis Building, Philadelphia.

Residences (15), 4941-71 North Second street, \$48,000. Architect, private plans. Owner, William Kuhn, Sr., 601 Cherry street, Philadelphia. Brick, 2 stories, 16x31 feet, slag roof, hot water heat, electric light, pine floors. Contract awarded to Francis J. Blatz, 5007 North Fifth street, Philadelphia.

Dwellings (2), 6805-7 Sprague street, \$12,000. Architect, private plans. Owner, Elwood Wintz, 6801 Sprague street. Stone, 3 stories, 26x36 feet, 12x26 feet, slate roof, hot water heating, electric lighting. Contract awarded to John Unruh, 6801 Sprague street, Philadelphia.

Export Abattoir Building (alts.), Thirtieth and Race streets, Philadelphia. Engineer, private plans. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick, repairing walls and interior carpentry, fire damages. Contract awarded to Armstrong & Latta, Land Title Building, Philadelphia.

Vat Building, Wheatshaf Lane and Gaul street, Philadelphia. Architects, Ballinger &

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# HEATING

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light, tile and marble work, new partitions. Contract awarded to F. B. Davis, 240 North Sixteenth street, Philadelphia.

**Connecting Passageway and Platforms**, Allegheny avenue and Somerset street. Architect, private plans. Owner, City of Philadelphia, Department of City Transit, Mershon Building. Concrete and steel, slag roof. Contract awarded to F. J. Boas, 201 North Broad street, Philadelphia.

**Store Building (alt. and add.)**, Sixteenth and Federal streets, \$6,500. Architect, private plans. Owners, Baer & Snyder, Sixteenth and Federal streets. Brick, 3 stories, 12x18 feet, slag roof, pine floors, metal lath, stone foundations, electric lighting, terrazzo work, hollow metal sash. Contract awarded to Conneen Const. Co., 1737 Filbert street, Philadelphia.

**Steam Distributing System**, Spec. 3878, Navy Yard, Philadelphia. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Contract awarded to Almiral & Co., 1 Dominic street, New York City. \$212,318, 180 days.

**Bank (add.)**, 925 Chestnut street, Philadelphia, \$10,000. Architect, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Federal Reserve Bank, on premises. Two bridges. Contract awarded to Jacob Myers & Sons Co., Witherspoon Building.

**Residence (alts. and add.)**, 38 Summit street, Chestnut Hill, \$30,000. Architect, R. Brognard Okie, 1420 Chestnut street, Philadelphia. Owner, I. Wistar Morris, on premises. Brick, 2½ stories, 25x35 feet, shingle roof, oak and pine floors, stone foundations, marble work, iron work, cut stone, mill work, plastering, hardware (plumbing, heating and electric work reserved). Contract awarded to Charles Gilpin, Harrison Building, Philadelphia.

**Building**, Nicetown lane and C street, Philadelphia, \$15,000. Architect, Paul A. Monaghan, Drexel Building, Philadelphia. Owner, Mack Paving & Const. Co., on premises. Reinforced concrete, 3 stories, 40x60 feet, slag roof, reinforced concrete floors, hollow tile, iron stairs. Contract awarded to Monaghan & Losse, Inc., 3016 Chestnut street.

**Stable and Wagon Shed**, 1335-37-39 South Juniper street, \$9,000. Architect, private plans. Owner, A. M. Russell, 1327 Dickinson street. Brick, 2 stories, 47x72 feet, slag roof, cement floors. Contract awarded to Joseph Wallas, 1916 South Fifteenth street, Philadelphia.

**Store and Dwelling**, 821-23 South Second street, Philadelphia. Architect, private plans. Owner, Zeluk Levin, 819 South Second street, Philadelphia. Brick, 3 stories, 19½x27 feet, 15½x37 feet, slag roof, hot air heat, electric light. Contract awarded to Michael Kirschner, 421 Snyder avenue.

## PENNSYLVANIA

## Construction News

**Grammar School (alts.)**, Wayne, Pa. Architects, D. K. Boyd, V. Abel and F. Gugert, Otis Building, Philadelphia. Owner, School District of Radnor Township, Dr. Joseph C. Egbert, Chairman, Building Committee, Wayne, Pa.; Walter S. Mertz, Secretary of Board, Wayne, Pa. General interior alterations, new stairway, plumbing, heating, etc., central steam heat, slate blackboards. Plans in progress. Will be ready for bids in one week.

**Residences (operation)**, Wayne, Pa. Architects, D. K. Boyd, V. Abel and F. Gugert, Otis Building, Philadelphia. Owners, Fallon & Harris, Wayne Trust Building, Wayne, Pa. Stone, 2½ stories, 23x33 feet and 30x33 feet, shingle roof, oak floors, stone foundations, steam heat, electric light, tile work. Plans completed for first two. Owner will take sub-bids.

**Residence**, Merion, Pa., \$20,000. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, Nevin Carson, care of builder. Brick and stucco and delac tile, 2½ stories, 30x58 feet, shingle roof, hot water heat, electric light, tile and marble work, oak floors. Builder, E. J. Hedden, Finance Building, is taking sub-bids.

**Bank (alts. and add.)**, Tamaqua, Pa. Architect, Benjamin R. Stevens, 1737 Filbert street, Philadelphia. Owner, First National Bank, Tamaqua, Pa. Brick, add. 1 story, 50x63 feet, slag roof, marble floors, electric light, tile and marble work, new vault, bank fixtures and screens. Owners taking bids due June 9th. H. E. Baton, 1713 Sansom street; A. L. Graff, Tamaqua, Pa.; Walter Wertley & Son, Pottsville, Pa.; Andrew Breslin, Summit Hill, Pa.; Ochs Const. Co., Allentown, Pa.; A. J. Fink, Reading, Pa.; Shamokin Lumber Co., Shamokin, Pa.; Dodson Realty Co., Bethlehem, Pa., and Shepherd C. Shepherd Const. Co., Wilkes-Barre, Pa., are figuring.

**Residence**, Springfield, Pa. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, Donald Lindsay, Springfield, Pa. Frame and stucco, 2½ stories, 27x54 feet, composition shingle roof, oak floors, hot water heat, electric light, tile work. Architect will be ready for bids in ten days.

**Bakery**, Chester, Pa. Engineer, Austin & Co., Bulletin Building, Philadelphia. Owners, Huber Baking Co., Ninth and Union streets, Chester, Pa. Brick and steel, 2 stories, 60x100 feet, and 1 story, 50x100 feet, slag roof, concrete floors, concrete foundations, electric light, rolled steel sash, (1) electric elevator, safety treads, rolled steel sash. Plans in progress. Engineers will take sub-bids.

**Odd Fellows Building**, New and Broad streets, Bethlehem, Pa. Architect, E. H. Biting, Wilber Trust Building, Bethlehem, Pa. Owner, care of Mr. A. Barthold, 5 New street, Bethlehem, Pa. Stone and terra cotta, 4 stories, 60x100 feet, fireproof roof, fireproof floors, steam heat, electric light, tile and marble work, rolled steel skylights, roof ventilators, metal window frames. Architect has received bids.

**Garage**, West Broad street, Bethlehem, Pa. Architect, Leh. Co., P. O. Building, South Bethlehem, Pa. Owner, Riverside Garage, care of Mr. Miller, Broad street, Bethlehem. Brick, fireproof, 2 stories, 70x125 feet, concrete foundations, slag roof, concrete floors, electric light. Plans in progress.

**Residence**, Broadhead and Wayne streets, Easton, Pa. Architect, Mr. Schnyder, Trust Building, Easton, Pa. Owner, Mr. W. A. Messinger, High street, Easton, Pa. Stone, 2½ stories, 45x33 feet, stone foundations, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Architect taking bids due June 5th. Asa Smith & Co., Bechtel & Bechtel, William Snyder, Easton, Pa., and Butz & Clader, Allentown, Pa., are figuring.

**House**, Newtown Square, Delaware County, Pa. Architect, Custer & Gill, Camden, N. J. Owner, name withheld. Frame, 1 story, 30x45 feet, shingle roof, hardwood floors, electric light. Plans in progress. Architect will take bids.

**Residence**, Springfield, Pa. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, Donald Lindsay, Springfield, Pa. Frame and stucco, 2½ stories, 27x54 feet, composition shingle roof, oak floors, hot water heating, electric lighting, tile work. Architect taking bids due June 5th. J. Howard Roberts, Lansdowne, Pa.; J. Percival Johnson, 4039 Lancaster avenue; George W. Riley, Lansdowne, Pa.; E. J. Kretizburg, 1345 Arch street; William D. Beattie, Highland Park, Pa., and J. Marshall Harlan, Highland Park, Pa., additional bidders.

**Road Work**, various sections, Pa. Owner, State of Pennsylvania, State Highway Department, Harrisburg, Pa. Bituminous or reinforced concrete, Hillside vitrified brick. Owners taking bids due June 15th.

**Road Work**, various sections, Pa. Architect, private plans. Owner, State of Pennsylvania, State Highway Department, Harrisburg, Pa. Bituminous or reinforced concrete, Hillside vitrified brick. Owners taking bids due June 26th.

**Building (alts. and add.)**, Phillipsburg, Pa.



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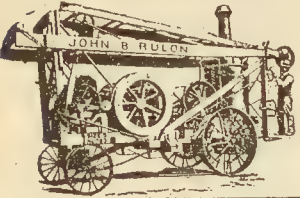
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## PENNSYLVANIA

## Contracts Awarded

Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, H. B. Scott, Phillipsburg, Pa. General renovation (fire damage), stores, first floor, apartment, second and third floors, lodge room, fourth floor, brick, 4 stories, 60x90 feet. Plans in progress. Will be ready for bids in a few weeks.

Home, Shamokin, Pa., \$80,000. Architect, W. H. Lee, Shamokin, Pa. Owner, Loyal Order of Moose, Shamokin, Pa. Brick, 3 stories, 57½x144 feet, tile roof, composition and wood floors; hollow tile, dumb waiters, steam heat, electric light, tile work, kalamein doors, bar fixtures, iron stairs, metal lath, roof ventilators, metal ceilings, ornamental iron work. Plans in progress.

Residence, Highland Park, Pa. Architect, E. Allen Wilson, 1208 Chestnut street. Owner, E. F. Winters, care of Central Trust Co., Fourth and Market streets. Stone and stucco, 3 stories, 24x46 feet, shingle roof, oak and pine floors, hot water heat, electric light, tile and marble work. Owner will take sub-bids.

Residence, Pottstown, Pa. Architects, Hewitt & Ash, Bullitt Building, Philadelphia. Owner, Kenneth Howard, care of Hill School, Pottstown, Pa. Frame, stucco, brick and hollow tile, 2½ stories, 28x50 feet, shingle roof, stone foundations, hot water heat, electric light. Architect will be ready for bids in ten days.

Residences (2), Seventh and Pine streets, Darby, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Christian Hansen, East Lansdowne, Pa. Brick and stucco, 2 stories, 16x42 feet, shingle roof, pine floors, hot air heat, electric light. Owner is taking sub-bids.

Residences (8), Collingdale, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Christian Hansen, East Lansdowne, Pa. Brick and stucco, 2 stories, 16x42 feet, shingle roof, pine floors, hot air heat, electric light. Owner will take sub-bids.

"Facts are stubborn things." Advertise only the truth about your product and watch the result.

Foundry Building, Hatboro, Pa. Architect, Henry C. Dahl, 231 South Eighth street, Philadelphia. Owners, Roberts & Mander Stove Co., Eleventh and Washington avenue. Brick and galvanized iron, 2 stories, 90x120 feet, 22x30 feet, 20x27 feet and 40x142 feet, concrete foundations, asphalt and slag roof, concrete floors, metal lath, rolled steel sash, fire doors, iron stairs, iron work (elevator, plumbing, heating and electric work reserved). Contract awarded to Henry C. Dahl, 231 South Eighth street, Philadelphia.

Residence, Drexel Hill, Pa. Architects, MacKenzie & Wiley, 1614 Walnut street, Philadelphia. Owner, F. W. Gourlay, Drexel Building, Philadelphia. Stone and plaster, 2½ stories, 24x36 feet, shingle roof, hardwood floors, stone foundations, hot water heat, electric light, hardwood floors. Contract awarded to Harry Koch, Drexel Hill, Pa.

Residence (add.), 29 South Main street, Bethlehem, Pa., \$7,000. Architect, H. J. Weigner, Bethlehem Trust Building, Bethlehem. Owner, Mr. Howard Schultz, on premises. Brick, 2 stories, 50x30 feet, stone foundations, slag roof, concrete floors, electric lighting, general interior alterations. Contract awarded to G. W. Heeler, Bethlehem, Pa.

Residences (2 pairs of twins), Radnor, Pa., \$8,000 each. Architect, Louis S. Adams, 1530 Walnut street, Philadelphia. Owner, Robert Montgomery, Radnor, Pa. Stone, 2 stories, 25x30 feet, wing 10x18 feet, shingle roof, pine floors, stone foundations, pipeless heating, electric lighting. Contract awarded to Milton W. Young, Overbrook, Pa.

Bungalow, Parkside, Chester, Pa. Architect, C. B. Deer, Crozer Building, Chester, Pa. Owner, Mr. T. C. Teague, Crozer Building, Chester, Pa. Frame, 2 stories, irregular size, shingle roof, hardwood floors, pipeless heater, electric lighting. Contract awarded to Zimmerman Const. Co., Chester, Pa.

Road Work, various sections, Pennsylvania. Owners, State of Pennsylvania, State Highway Department, Harrisburg, Pa.

McKean County, Otto, Keating and Foster Townships, Route No. 96, length 53,372 feet,

reinforced concrete. Contract awarded to Warren-Moore Co., Philadelphia, \$443,013.04.

Dauphin County, Middle Paxton and Read Townships and Dauphin Borough, Route No. 1, length 33,917 feet. Bituminous or reinforced concrete and Hillside vitrified brick. Contract awarded to Hugh Nawn Const. Co., Philadelphia, \$294,077.45.

Cameron County, Shippen Township, Route No. 99, length 11,065 feet. Bituminous or reinforced concrete. Contract awarded to Fish, Young & Parks, Philadelphia, \$104,883.60.

Clarion County, Paint and Elk Townships, Route No. 65, length 26,648 feet. Reinforced concrete and Hillside vitrified brick. Contract awarded to Red Bank Con. Co., New Bethlehem, Pa., \$237,139.12.

Clinton County, Avis Borough, Route No. 23, length 4,984 feet. Reinforced concrete. Contract awarded to Busch & Stewart, Inc., Williamsport, Pa., \$37,502.35.

Union County, West Buffalo, Limestone and Lewis Townships, Route No. 27, length 13,464 feet. Bituminous or reinforced concrete. Contract awarded to Richardson Hand, Wilkes-Barre, Pa., \$81,295.88.

Blair County, Antis Township, Route No. 55, length 13,623 feet. Bituminous or reinforced concrete. Contract awarded to J. M. Hutchinson, Altoona, Pa., \$102,519.80.

Butler County, Butler and Penn Townships, Route No. 72, length 32,229 feet. Bituminous or reinforced concrete. Contract awarded to Booth & Flynn, Ltd., Pittsburgh, \$230,970.

Crawford County, Cambridge Township, Cambridge Springs Borough, Route No. 84, length 16,552 feet. Bituminous or reinforced concrete. Contract awarded to Robert Swan, Jr., Co., Pittsburgh, Pa., \$118,346.60.

Mercer County, Coolspring and Jefferson Townships, Route No. 82, length 17,891 feet. Bituminous or reinforced concrete. Contract awarded to Faber Engr. & Const. Co., Pittsburgh, \$118,567.88.

Somerset County, Ellick Township, Route No. 51, length 10,554 feet. Reinforced concrete and Hillside vitrified brick. Contract awarded to B. J. Lynch & Co., Meyersdale, Pa., \$94,081.30.

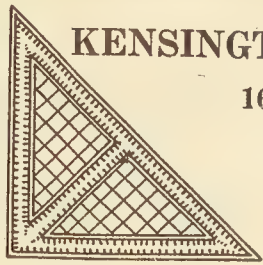
If you want Trap Rock or Slag, any size or grit, we are headquarters for same. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



## Safety Guards

## Wire Window Guards

## Partition Enclosures


**KENSINGTON METAL CO.**

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Philadelphia

Pa.

Venango County, Sugar Creek Township, Route No. 91, length 9,550 feet. Reinforced concrete. Contract awarded to Harris Cont. Co., Meadville, Pa., \$60,001.50.

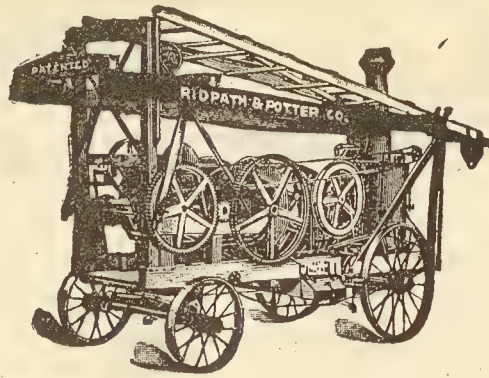
### Proposals

#### INVITATION FOR PROPOSALS.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., May 21, 1919.—Sealed proposals will be opened in this office at 3 P. M. June 18, 1919, for furnishing and delivering at the site the materials required for the construction of the United States Post Office building at Clinton S. C., including materials for concrete, reinforced concrete, stone, granite, brick, structural terra cotta, structural steel, miscellaneous iron and steel work, composition roofing, slate roofing, sheet metal work, skylights, plastering, interior marble, sanitary slate, lumber, millwork, painting, glazing, hardware, plumbing, heating, electric work, etc. Bills of quantities and specifications may be obtained from the custodian of the site at Clinton, S. C., or at this office, in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., May 21, 1919.—Sealed proposals will be opened in this office at 3 P. M. June 18, 1919, for furnishing the labor required in the construction complete, with materials that will be furnished by the Government, of the United States Post Office Building at Clinton, S. C. Drawings and specifications may be obtained from the custodian of the site at Clinton, S. C., or at this office, in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

The man with an order to place doesn't hunt you up in the city directory these days. He hasn't the time. If he can't find you in your trade magazine he can and does find somebody else, and that somebody else books the order.



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## NEW JERSEY Construction News

**Dwelling**, West Collingswood, N. J. Architect, Moffett & Truscott, 30 Third street, Camden, N. J. Owner, name withheld. Brick, 2½ stories, 45x35 feet, stone foundations, slate roof, hardwood floors, electric light, tile work, 3 baths. Plans in progress.

**Factory**, White Horse Pike and Haddon avenue, Camden, N. J. Architect, not yet selected. Owner, C. S. Haskell, Inc., 1250 Kater street, Philadelphia. Site purchased. Work contemplated.

**Moving Picture Theatre**, (2) Stores and Dwelling, Camden, N. J. Architect, private plans. Owner, name withheld. Brick and steel, 2 stories, 90x105 feet, concrete foundations, slag roof, maple floors, steam heat, electric light, tile and marble work. Plans in progress. Mockett Const. Co., Camden, N. J., are estimating.

**Moving Picture Theatre**, near Camden, N. J., \$25,000. Architects, Custer & Gill, Camden, N. J., Third and Market streets. Owner, name withheld. Brick, 2 stories, 50x130 feet, slate, slag roof, cement and tile floors, steam heat, electric light, tile work, cast stone, metal roof ventilators. Architect taking bids on preliminary plans.

**Store (add.)**, Broadway and Pine streets, Camden, N. J. Architect, Thomas Stephens, Camden, N. J. Owner, Hurley Store, Broadway and Pine street, Camden, N. J. Brick, 2 stories, 50x60 feet, stone foundations, slag roof, maple floors, electric lighting (heating reserved). Revised plans in progress.

**Store (alt.)**, Bridgeton, N. J. Architect, Custer & Gill, Third and Market streets, Camden, N. J. Owner, Hurley Store, Camden, N. J. General interior alterations. Architect taking bids due June 8th. H. H. Hankins, George Maier, Fox & Loveland, Bridgeton, N. J., are figuring.

**Stores, Hall and Lodge**, Fourth and Spruce streets, Camden, N. J. Architect, Thomas Stephen, Temple Building, Camden, N. J. Owner, Sons of Italy, on premises. Brick and stucco, 2 stories, 20x40 feet, stone foundations, slag roof, oak floors, electric light, tile and marble work, plate glass, roof garden, ornamental plaster. Architect has received bids.

**School**, Salem County, N. J. Architect, Moffett & Truscott, 30 North Third street, Camden, N. J. Owner, name withheld. Tile and stucco, 96x48 feet and 34x40 feet, asbestos roof, maple floors, gravity heating. Plans in progress.

**Moving Picture Theatre**, location withheld. Architects, Custer & Gill, Camden, N. J. Owner, name withheld. Brick and hollow tile,

1 story, 50x130 feet, concrete foundations, slag roof, cement floors, steam heat, electric light, roof ventilators, steel work. Plans in progress.

**Bungalow and Garage**, Merchantville, N. J. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, Albert E. Barber, Merchantville, N. J. Hollow tile and stucco, 2 stories, 34x56 feet, shingle roof, oak and cement floors, hot water heat, electric light, tile work. Architect will be ready for bids in ten days.

**School**, Stephens, N. J. Architect, W. Klemman, First National Bank Building, Trenton, N. J. Owner, Board of Education, Burlington Township, N. J. Brick, 1 story, 63x39 feet, slate roof, pine floors, stoves, electric light. Plans in progress.

**School**, Ventnor, N. J., \$85,000. Architects, J. F. Mathes and V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owners, Ventnor School Board, care of Mr. Zimmerman, Guarantee Trust Building. Brick, 2 stories and basement, 65x104 feet, concrete foundations, slag roofing, maple floors, electric light, tile work, hollow tile, metal lath, rolled steel skylights, kalamein doors, metal lath, roof ventilators, waterproofing. Lowest bid submitted by Standard Const. Co., 1713 Sansom street, Philadelphia.

**Machine Shop**, Low street, Trenton, N. J., \$80,000. Architect, J. O. Hunt, Trenton, N. J. Owner, J. E. Thropp Sons Co., Low street, Trenton, N. J. Steel, brick and concrete, 2 stories, 320x63 feet, concrete foundations, asbestos roof, wood block floors, steam heat, electric light, wire glass, rolled steel sash. Architect taking bids due June 6th. James H. Morris, Broad Street Bank Building; Burton & Burton, American Mechanics' Building; S. W. Mather & Sons, New Trenton Bank Building; New A. K. Bugbee & Co., 206 East Hanover street; John Ferguson Co., 253 Broadway, New York; Mellon & Stewart, Pittsburgh, Pa.; Lewis F. Showmaker, Pottstown, Pa., and Belmont Iron Works, Land Title Building, Philadelphia, are figuring.

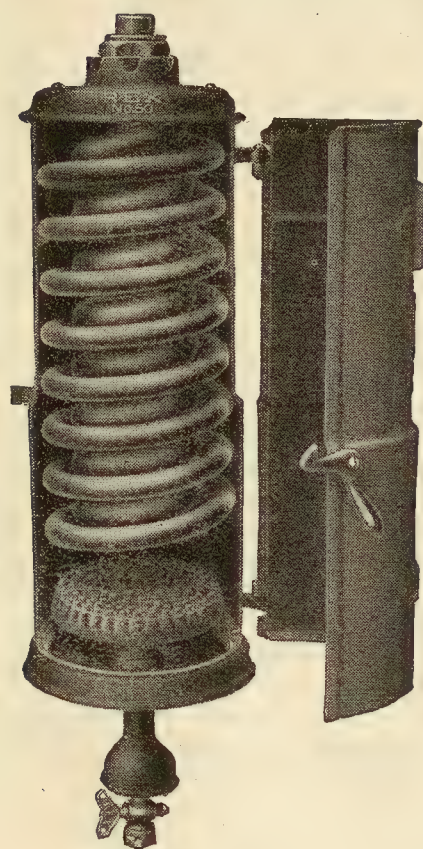
**Residence and Garage**, Haddonfield, N. J. Architect, W. W. Sharpley, 1713 Sansom st., Philadelphia. Owner, Oscar T. Mitchell, 240 Chestnut street, Haddonfield, N. J. Hollow tile, 2½ stories, 27x45 feet, wing 27x18 feet. Garage, 20x20 feet, slate, tile or asbestos roof, oak floors, hot air or hot water heat, electric light, tile and marble work. Plans in progress. Architect will take bids in two weeks.

**Hotel**, Illinois avenue and Boardwalk, Atlantic City, N. J. Architect, Horace Trum-

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bauer, Land Title Building, Philadelphia. Owner, Ritz-Carlton Hotel Co., Madison avenue and Forty-sixth street, New York City. Brick and reinforced concrete, fireproof, 9 stories, 155x385 feet, flexible cement roof, concrete and maple floor, hollow tile, metal lath, elevators, safety treads, concrete and wood pile foundation, steam heat, electric light, tile and marble work, kalamein doors, iron work. Contract awarded to Cramp & Co., Denekla Building, Philadelphia, Pa.

## Miscellaneous Construction News

**Building F and Alts. to Stairway**, Main Building, Naval Hospital, Res., Brooklyn, N. Y. Architect, private plans. Owners, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Reinforced concrete, brick and stucco, 4 stories, 120x168 feet, wings 29x126 feet, 29x152 feet, 29x177½ feet, 29x73 feet, composition or slag roof, composition floors, hollow tile, metal lath, safety treads, window guards, waterproofing and dampproofing, iron work, electric light, tile and marble work, kalamein and hollow metal doors. Owners taking bids due June 11th. Warren-Moore Co., Colonial Trust Building, figuring.

**Church**, Detroit, Mich. Architect, Charles W. Bolton & Son, Witherspoon Building, Philadelphia. Owner, Trinity Reformed Church of Detroit, care of Rev. F. W. Ball, 173 Glenmore avenue, Detroit, Mich. Brick and hollow tile, 1 story, 50x75 feet, slate roof, hardwood floors, steam heat, electric light. Contract awarded to E. F. Long, Detroit, Mich.

The "Builders' Guide" is in its thirty-third year of continuous publication.



## Lumber and Service

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PHILADELPHIA

## DELAWARE

## Construction News

**Store and Apartment (6)**, Shipley and Eighth sts., Wilmington, Del., \$80,000. Architect, E. L. Rice, 815 Market st., Wilmington, Del. Owner, Wm. A. Casep, 801 Shipley st., Wilmington, Del. Brick, 4 stories, 25x51 feet, stone foundations, stone trim, asbestos roof, pine floors, vapor heat, electric and gas light, tile and marble work, copper work, roof ventilators. Architect taking bids due June 5th. John E. Healy & Son, 707 Tatnall street; A. S. Reed & Bro. Co., 815 Shipley street; Harry S. Lynch, 715 Tatnall street; W. D. Haddock & Co., 804 Orange street; C. J. Dougherty, 2515 West Eighteenth street; Charles Forwood, Twenty-first street; Philip H. Lynch, 304 West street; Charles H. Tindall & Son, 614 Tatnall street; Joyce & Kerrigan, and Edgar Futter, all of Wilmington, are figuring.

**Club House**, Concord and Boulevard, Wilmington, Del. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner, Washington Heights Women's Club, care of Mrs. Raby, 2300 Van Buren street, Wilmington, Del. Brick and stucco, 2 stories, 52x65 feet, stone foundations, slate roof, hardwood floors, pipeless heater, electric light, tile work. Plans in progress.

**Residence**, Twenty-seventh and Boulevard, Wilmington, Del., \$25,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Thomas Mullin, Sixth and Market streets, Wilmington, Del. Brick, 3 stories, 38x40 feet, stone foundations, slate roof, hardwood floors, vapor heat, electric light, tile and marble work. Plans in progress. Architect will take bids in ten days.

**Residence (add.)**, 1107 Delaware avenue, Wilmington, Del. Architect, J. J. Kennedy,

Ford Building, Wilmington, Del. Owner, W. C. Blatz, 1107 Delaware avenue, Wilmington, Del. Brick and glass, 1 story, sun parlor, slate roof, tile floors. Plans in progress. Architect will take bids in ten days.

**Moose Hall (alt. and add.)**, Seventh and French streets, Wilmington, Del. Architect, J. D. Thompson, Ford Building, Wilmington, Del. Owner, Order of Moose, on premises. Brick, 2 stories, 30x80 feet, stone foundations, tin roof, hardwood floors, electric light, general interior alterations. Architect taking sub-bids.

**Ice Cream Factory (alts.)**, Hutton and Vanchover avenue, Wilmington, \$4,000. Architect, private plans. Owner, Burdom Bros., on premises. Interior alterations. Owner will build.

**Garages (16)**, 906 Gilpin street, Wilmington, Del., \$6,400. Architect, private plans. Owner, S. E. Pardee, 1613 West Thirteenth street, Wilmington, Del. Brick, 1 story, 16x20 feet. Owner will build.

**Dwelling**, 712 Union street, Wilmington, Del., \$3,500. Architect, private plans. Owner, Sabatino De Sando, Wilmington, Del. Brick, 2 stories, 16x45 feet, slag roof, electric light. Contract awarded to Ernest Di Sando, Wilmington, Del.

**Dwelling**, Eighteenth and Washington streets, Wilmington, Del., \$3,000. Architect, private plans. Owner, R. W. Wolters, Wilmington, Del. Brick, 19x34 feet, electric light. Contract awarded to G. W. Randman, 403 Concord street, Wilmington.

**Service Garage and Apartment (add. and alt.)**, Thirteenth and French streets, Wilmington, Del. Architect, private plans. Owner,

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Jacob Chart, Wilmington, Del. Brick. Contract awarded to G. W. Randman, 403 Concord street, Wilmington, Del.

Store and Dwelling, 521 Rodman street, Wilmington, Del., \$4,500. Architect, private

plans. Owner, Antonio Bore, 519 Rodman street, Wilmington, Del. Brick, 3 stories, 18x50 feet, stone foundations, slate roof, pine floors, hot water heat. Contract awarded to P. M. De Bartholmes, 831 Union street, Wilmington, Del.

lights, ventilators, vault, concrete work, tile, marble and terrazzo work, hardwood floors, hollow tile, dampproofing. Contract awarded to C. L. Stockhausen Co., Baltimore, Md.

Chemical Laboratory (add.), Homewood, Baltimore, Md. Architect, J. Evans Sperry, Calvert Building, Baltimore, Md. Owner, Johns Hopkins University, Baltimore, Md. Brick, 1 story, marble trim, slag roof, steam heat, electric light, steel and iron work, ornamental iron work, metal doors, fireproofing, dampproofing, terra cotta, hollow tile, metal lath, painting, plumbing, tile and terrazzo work, composition floors. Contract awarded to Frainie Bros. & Haigley, 18 Clay street, Baltimore, Md.

Hall and Store, Edmondson avenue, near Brice street, Baltimore, Md. Architect, private plans. Owners, Emil & Theresa Decker, on premises. Brick, 2 stories, 31x100 feet, tin or slag roof, hot water heat, electric light, skylights, ventilators, metal lath, tile work. Contract awarded to McIver Const. Co., Fidelity Building, Baltimore.

Residence (add.), 615 Falls Road, Roland Park, Md. Architect, private plans. Owner, Douglass Burnett, Lexington Building, Baltimore. Frame, 2 stories, slate roof, heating, electric lighting, tile work, metal lath, painting, plumbing. Contract awarded to G. Walter Tovell, 401 McCulloh street, Baltimore.

## MARYLAND

# Construction News

Residence (alts.) to Apartments, 459 Gay street, Baltimore, Md. Architect, John Freund, 16 East Biddle street, Baltimore. Owner, David Kramer, on premises. Changing present building to apartments, slag roof, hot water heat, electric light, skylights, tile work, dumb-waiters, plumbing. Architect taking bids, due June 9th. M. Silberstein, 312 Equitable Building; West Richardson, 710 North Fulton avenue, and P. C. Street, Baltimore, are figuring.

Garage (add.), East Mt. Royal avenue, near Charles street, Baltimore. Architect, E. H. Glidden, American Building, Philadelphia; associate, Theo. W. Pietsch, American Building, Philadelphia. Owner, Zell Motor Car Co., 11-15 East Mt. Royal avenue, Baltimore, Md. Brick and concrete, 3 stories, 60x70 feet, slag roof, steam heat, electric light, steel sash and ventilators, fireproofing, dampproofing, hollow tile, plastering, painting, plumbing, metal doors, copper work. Architect taking bids, due June 9th. D. M. Andrew, Deverell-Spencer Co., E. H. Mosher, West Const. Co., B. F. Bennett Building Co., J. F. Kunkel, Cogswell-Koether Co., and W. E. Harn Co., all of Baltimore, Md., are figuring.

Church (add.), Pimlico Road and Kate avenue, Baltimore, Md. Architect, John R. Forsythe, 232 St. Paul street, Baltimore. Owner, St. John's Lutheran Church, on premises. Stone and brick, 1 and 2 stories, 50x60 feet, slate and composition roof, steam heat, electric light. Plans in progress.

Dwelling and Garage, Guilford, Baltimore, Md. Architect, Lawrence H. Fowler, 347 N. Charles street, Baltimore. Owner, Harry C. Block, Tuscan Apartments, Baltimore. Brick, stone trim, 2½ stories, slate roof, ornamental iron work, metal lath, hollow tile, tile and marble work, hardwood floors, vacuum cleaning system, refrigerators. Plans in progress.

Dwellings (13), Gorsuch avenue, near Tinges Lane, Baltimore, Md. Architect, John R. Forsythe, 232 St. Paul street, Baltimore. Owners, Patterson & Gilbert, Munsey Building, Philadelphia. Brick, 2 stories, 19x32 feet, composition roof, pipeless heaters, electric light, skylights, ventilators, plastering, tile work. Plans in progress.

Garage, Baker near Presbury street, Baltimore. Architect, George R. Callis, Melvin avenue, Catonsville, Md. Owner, I. Rosenspodt, 1701 Moreland avenue, Baltimore. Brick, 1 story, 75x220 feet, slag roof, cement floors, steam heat, electric light, metal doors, hollow metal skylights, concrete work, fireproofing, dampproofing, hollow tile, plumbing. Plans completed. Owner will take bids.

Bank (alts.), Park avenue and Fayette st., Baltimore. Architect, Robert L. Harris, Baltimore, Md. Owner, Seaboard Bank, B. W. Duke, president, Baltimore, Md. New vault, counter screens, electric lighting, skylights, reinforced concrete, tile and marble work,

elevators. Architect taking bids, due June 9th. McAleer Const. Co., Phoenix Building; Frainie Bros. & Haigley, John Waters Building Co., John Hiltz & Sons, and Consolidated Eng. Co., all of Baltimore, Md., are figuring.

## Maryland

### Contracts Awarded

Bank, Hamilton, Baltimore, Md. Architects, Thomas & Rice, Union Trust Building, Baltimore. Owner, Hamilton National Bank, Hamilton, Baltimore, Md. Brick, 1 story, stone trim, slag roof, steam heat, electric light, sky-

# Permits for New Buildings

O is the abbreviation for owner. C is for contractor.

## Philadelphia

Service Station, Southeast Corner Sixty-third and Ludlow streets, \$12,000. Atlantic Refining Co. (O), 3144 Passyunk avenue. Brick and terra cotta, 1 story, 24x24 feet. Metzger & Fisher (C), Philadelphia.

Garages (16), 803 to 829, 901-03 North Sixty-fourth street, \$11,200. Moss & Taylor (O and C), Fifty-eighth and Girard avenue, Philadelphia. Brick, 1 story, 12x20 feet.

Garage, 1216 Neitonne street, \$2,250. Tinius Olsen Testing Machine Co. (O), 500 North Twelfth street. Brick, 1 story, 18x24 feet, Lam Building Co. (C), 1001 Wood street.

Warehouse, 788 South Swanson street, \$3,000. Charles Purvis (O), Water and South streets. Brick, 3 stories, 23x89 feet. Pierce Henon Co. (C), 326 Bulletin Building.

Dwellings (28), 1001-1024 and 1001-1029 Marlyn road, \$168,000. Moss & Taylor (O and C), Fifty-eighth and Girard avenue. Brick, 2 stories, 20x35 feet, steam heating.

Garage, 1204 Windrim avenue, \$575. Louis T. Hoffman (O), on premises. Brick, 1 story, 10x18 feet. R. J. Lechner (C), 2715 Eddington street.

Storage, 1320 South Front street, \$700. Richard Tyrell (O), 1343 South Howard street. Brick, 1 story, 20x35 feet. George Allebone (C), 217 Norris street.

Dwelling, Overbrook avenue, South of City Line, \$24,500. Morris Estate (O), Overbrook, Pa. Hollow tile, 3 stories, 53x40 feet and 16 feet 6 inches x24 feet 3 inches, shingle roof, hot water heating. Alfred James (C), Bala, Pa.

Dwellings (33), North side Lebanon street, East of Sixty-second street, \$165,000. Ramsey & Williams (O and C), 701 South Fifty-eighth street. Brick, 2 stories, 16 feet 7

inches x33 feet 10 inches and 12x10 feet 2 inches.

Store and Dwelling, Sixty-second and Lebanon streets, \$6,500. Ramsey & Williams (O and C), 701 South Fifty-eighth street. Brick, 2 stories, 16x46 feet, slag roof, hot water heat.

Shop, 1328 Mt. Vernon street, \$1,200. George E. Davis (O), on premises. Brick, 1 story, 16x36 feet. Sutton Stephenson (C), 1317-19 Washington avenue.

Garage, Cheltenham avenue, East of Seventh street, \$2,500. Herbert Webb (O), Seventh and Cheltenham avenue. Stone, 1 story, 23x23 feet. W. J. Gruhler Co. (C), 219 High street.

Office, 2537 North Broad street, \$5,000. Keystone Pennsylvania Oil Co. (O), on premises. Brick, 1 story, 14-inch octagon. Fred A. Havens Co. (C), 845 North Nineteenth street.

Factory, 2537 North Broad street, \$15,000. Keystone Pennsylvania Oil Co. (O), on premises. Brick, 1 story, 75x25 feet. F. A. Havens (C), 845 North Nineteenth street.

Garage, 6405 North Sixth street, \$1,000. G. L. Harris (O and C), on premises. Brick, 1 story, 19x21 feet.

Office and Garage, Tulip and Roxborough streets, \$2,945. Philadelphia Sash Weight Co. (O), Twenty-second and Glenwood avenue. Brick, 1 story, 26x58 feet. Davis & Clayton (C), 1819 North Twentieth street.

Dwelling, 6327 Greene street, \$1,200. G. Wallace Simpson (O), on premises. Brick, 1 story, 16x12 feet. James H. Wilson (C), 1717 Moravian street.

Shop, 1709 Stocker street, \$1,100. George W. Young (O), 2316 South Broad street. 2 stories, 29x26x13½ feet. George W. Young (C), 2316 South Broad street.

Shop, North side Oregon avenue, West of Beulah street, \$10,000. George W. Young (O

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and C), 2316 South Broad street. Brick, 1 story, 16x60 feet.

Foundry, Tulip and Roxborough streets, \$16,000. Philadelphia Sash Weight Co. (O), Twenty-second and Glenwood avenue. Brick, 1 story, 70x146 feet. Davis & Clayton (C), 1819 North Twentieth street.

Warehouse, 1016-18 North Marshall street, \$26,000. Stern & Rosenberg (O), Marshall and Girard avenue. Brick, 4 stories, 36x87 feet 5 inches, slag roof, steam heat, electric light, yellow pine floors, metal lath. H. W. & M. A. Green (C), 990 North Marshall street.

Garage, 340 East Somerset street, \$2,500. Richard Hill (O and C), on premises. Brick, 1 story, 72x17 feet 4 inches and 73x16 feet 4 inches.

Greenhouse, Fifteenth street, South of Seventy-second avenue, \$700. Frank Birnbauer (O and C), on premises. Brick, 1 story, 20x80 feet.

Garage, 1427 West Olney avenue, \$800. Henry Kolb (O), on premises. Brick, 1 story, 16x21 feet. Edward B. McCall (C), Sixty-fifth and Park avenues.

Shop, Queen and Knox streets, \$1,200. Albert H. Brobson (O), 5012 Knox street. Brick, 1 story, 16 feet 4 inches x35 feet. William C. Wright (C), 22 Harvey street.

Warehouse, 5301-03 Germantown avenue, \$90,000. Mill N. Broad Storage Co. (O), Broad and Lehigh avenue. Brick, 6 stories, 53 feet 3 inches x135 feet. John N. Gill Co. (C), Otis Building.

Factory Building, 3819 Frankford avenue, \$28,000. James Hilton (O), on premises. Brick, 1 story, 120x140 feet. F. Crompton & Bro. (C), 4614 Oakland street.

Garage, 1941 North Broad street, \$1,000. L. J. Link (O), 1941 North Broad street. Brick, 1 story, 15x24 feet, slag roof. H. C. Dah (C), 231 South Eighth street.

Store and Dwelling, Bartram and Eighty-fifth streets, \$3,500. Isaac Weinbacht (O), 8414 Bartram street. Brick, 2 stories, 16x48 feet, slag roof, hot air heat. William Grenman (C), 8320 Brewster avenue.

Dwellings (2), Bartram avenue, East of Eighty-fifth street, \$3,000. Isaac Weinbecht (O), 8414 Bartram avenue. Brick, 2 stories, 15 feet 6 inches x19 feet 3 inches and 12 feet 6 inches x29 feet, hot air heat, slag roof. William Greinman (C), 8320 Brewster avenue.

Dwellings (10) (2 family), Chancellor street, West of Fifty-ninth street, \$6,000. A. J. Boylan (O and C), 5955 Spruce street.

Dwellings (2), Bryn Mawr avenue, South of Overbrook avenue, \$20,000. Stone, 3 stories, 51 feet 4 inches x36 feet 10 inches and 23 feet 4 inches x24 feet, 75 feet 4 inches x33 feet 4 inches and 20x22 feet. T. F. Reilly (O and C), Bryn Mawr and Overbrook avenues.

Dwellings (124), Stores (11), Garages (25), Lambert street, Jackson street and Passyunk avenue, Twentieth to Twenty-first street, \$452,500. Brick, 2 stories, 14 feet 2 inches x32 feet, 10x12 feet, 16x42 feet and 16x55 feet, slag roof, hot water heat; garages, brick, 1 story, 11 feet 6 inches x14 feet 6 inches. Burton C. Simon (O and C), Nineteenth and Jackson streets.

Dwellings (29), Eighth and Ruscomb streets, \$130,500. W. Fischer's Sons (O and C), Hutchinson and Ruscomb streets. Brick, 2 stories, 16 feet 4 inches x45 feet and 15 feet 11 inches x33 feet 6 inches, 11 feet 3 inches x11 feet 6 inches. slag roof, hot water heat.

Dwellings (2), 6805-07 Sprague street, \$12,000. Elwood Wintz (O), 6801 Sprague street.

Stone, 3 stories, 26 feet 9 inches x36 feet, 26x12 feet. John Unruh (C), 6801 Sprague street.

Dwellings (15), 4941-71 North Second street, \$48,000. William Kuhn, Sr. (O), 601 Cherry street. Brick, 2 stories, 16x31 feet, slag roof, hot water heat. F. Francis J. Blatz (C), 5507 North Fifth street.

Dwellings (11), \$76,000. William O. Mahon (O and C), 6752 York road. Brick, 2 and 3 stories, slate and slag roof, hot water heat, 30 feet 6 inches x36 feet 2 inches, 25 feet 6 inches x16 feet 4 inches, 18 feet 8 inches x24 feet 1 inch, 16x28 feet 4 inches, 12 feet 11 inches x15 feet 8 inches, 29x22 feet, 13 feet 9 inches x14 feet, 20x34 feet.

## PERMITS FOR Alterations and Additions

O is the abbreviation for owner. C is for contractor.

### Philadelphia

Store and Dwelling, 817 North Sixteenth street, \$700. A. Gritti (O), on premises. H. B. Boorse (C), 665 North Fifteenth street. Flush bulk.

Office, 1516 Locust street, \$2,500. L. Biddle Duffield (O), on premises. I. K. Davis Co. (C), Twentieth and Spencer streets. Brick ad iron, 1 story, 3 feet 6 inches x12 feet 6 inches.

Store, Fifty-second and Locust streets, \$4,000. United Cigar Stores Co. (O), New York. P. M. Sax (C), 1205 Franklin Bank Building, Philadelphia. New brick front, metal ceiling, tile and marble work, metal lath, plastering.

Factory, 1235-37 Fibert street, \$8,000. M. Dannebaum (O), 930 Market street. George W. Thayer Co. (C), 1233 Ludlow street. Six stories, slag roofing.

Factory, Hutchinson and Chancellor streets, \$15,000. O. J. Maigne (O), 1017 Sansom street. Dodge & Morrison (C), 135 Front street, New York City.

Dwelling, 5247 Chestnut street, \$1,450. E. D. Hart (O and C), on premises. Brick, 2 stories, 13x20 feet.

Dwelling, 1929 Wynnewood road, \$2,000. George C. Shelly (O), on premises. Enclose porch. W. L. Burton (C), 2108 Sedgley avenue.

Store and Dwelling, 110 South Fifty-second street, \$3,300. Harry Rosen (O), on premises. Brick, 1 story, 15x27 feet. J. Gorchov (C), 4116 Girard avenue.

Factory, 114 North Front street, \$12,000. George D. Wetherill (O), on premises. Brick, third story, 10x65 feet, first story 20x70 feet, second 18x72 feet and 6x15 feet. H. H. Wehmeyer (C), 509 Wets Cumberland street.

Store, 1522 Chestnut street, \$4,000. Kayser & Allman (O), on premises. John N. Gill & Co. (C), Otis Building.

Garage, 2517 North Broad street, \$900. James Brown (O), on premises. Brick, 1 story, 27x32 feet, slag roof. Warren Brothers (C), 1113 Cherry street.

Garage, 2144 North Front street (rear), \$500. J. allan (O), on premises. I. Weinstein (C), 1110 North Forty-first street.

Store and Dwelling, 155-57 East Cheltenham avenue, \$1,500. S. Fisher (O), on premises. Brick, 1 story, 10x16 feet. A. Warshovsky (C), 545 North Seventh street.

Dwelling, 4937 Locust street, \$1,055. Mrs. H. B. Weldon (O), on premises. Brick, 1 story, 12x17 feet. J. H. Feesen (C), 5018 Locust street.

Synagogue, 922 South Third street, \$1,000. S. Aller (O and C), 315 Carpenter street.

Store and Dwelling, 763 South Fourth street, \$1,000. M. Cruess (O), on premises. Hot water heat. Shestack & Co. (C), 3220 Columbia avenue.

Dwelling, 33 South Sixty-second street, \$500. A. Littlefield (O), on premises. Brick, second story, 15 feet 5 inches x14 feet. J. H. Hutt (C), 5919 Spruce street.

Store, 2915 Kensington avenue, \$875. M. Emil (O), on premises. Brick, 1 story, 15x8 feet. Beamer & Scheiter (C), 409 Central Trust Building.

Dwelling, Wellington and Berks streets, \$1,500. Ida V. Ayer (O), 1852 Wellington street. Brick, 1 story, 16x84 feet, 16x14 feet, slag roof. Jacob Gaertner (C), 2214 North Third street.

Apartment House, 1701 Wallace street, \$1,400. M. Carter (O), on premises. Hot water heat. H. T. Campbell (C), Twenty-ninth and Stiles streets.

Dwelling and Store, 1416 North Second street, \$800. Charles Streff (O), 1414 North Second street. Brick, 2 stories, 11x24 feet. Peter Kurtz (C), 2343 North Fifth street.

Store and Dwelling, 928 South Eighth street, \$500. Mr. C. C. A. Baldi (O), on premises. Joseph Rossi (C), 934 South Eighth street.

Stable, 1303 North Hancock street, \$815. Brick, 1 story, 14 feet 4 inches x16 feet. John Maurer (C), 1438 Germantown avenue.

Office, 2315 Walnut street, \$2,000. William Greenberg (O), 1421 Chestnut street. Hot water heat. S. Yellin (C), 3125 Montgomery avenue.

Dwelling, 5820 North Camac street, \$1,175. Harry Ebert (O), 2425 North Broad street. Brick, 1 story, 16x11 feet. Frank A. Stoll (C), 1432 Germantown avenue.

Garage, 221 East Ashmead street, \$1,000. Celatore Bria (O), on premises. Stone, 1 story, 40x13 feet. Louis Bria (C), 221 East Ashmead street.

Foundry, 2137 North Lawrence street. M. L. Korn & Bro. (O), on premises. Walter F. Einwechter (C), 314 Richmond street.

Shop, Front and Kenilworth streets, \$12,000. General Engineering Works, Inc. (O and C), 719 South Front street. Brick, 1 story, 57 feet 14 inches x148 feet 3½ inches.

Store, Sixteenth and Feedral streets, \$6,550. Baer & Snyder (O), Fifteenth and Tasker streets. Brick, 1 story, 12x17 feet. Conneen Const. Co. (C), 10 South Eighteenth street.

Dwelling, 213 South Seventeenth street, \$600. John W. Ash (O), 423 Walnut street. F. T. Mercer Co. (C), 1700 Delancey street.

Dwelling, 5614 North Second street, \$500.

Our specialty is Portland Cement that will stick and pass the City Department. **DAVID FRANCE CO.,**  
Tasker Street Wharf, Delaware River, Philadelphia.



A. F. Foster (O and C), on premises. Brick, 1 story, 13x14 feet.

Store, 1244 West Girard avenue, \$1,000. Behrman & Abel (O and C), on premises. Elevator shaft.

Dwelling, 5820 North Camac street, \$1,250. T. Carry Ebert (O), on premises. Brick, 1 story, 12x16 feet. Charles Reichert (C), 5824 North Camac street.

Club, 1419-21 Bainbridge street, \$900. William F. Deakne (O), 149 South Broad street. Motion pictures. Drapper (C), 768 South Eighteenth street.

Store and Dwelling, 934 South Ninth street, \$600. Mary P. Tanuto (O), on premises. Flush bulk. P. Leuzzi (C), 1916 South Tenth street.

Dwellings, 4024-26 Ridge avenue, \$1,000. E. L. David (O), 510 Land Title Building. N. Levin (C), 2018 South Sixty-fifth street.

Store and Dwelling, Lansdowne and Edge-wood avenue, \$1,200. Mr. Chrissy (O), on premises. Flush bulk. Herman Voight (C), 1252 North Twenty-ninth street.

Store and Dwelling, 240 South Twelfth street, \$915. James P. Harbeson (O), 132 West Walnut lane. Vertical boiler and stack. Frank Toomey, Inc. (C), 131 North Third street.

Mill, Wister and Belfield streets, \$1,200. J. H. & B. G. Bromley (O), 216 South Forty-second street. Brick, 3 stories, 9x10 feet 6 inches. Leroy K. Smith (C), Forty-first and Chester avenue.

Bank, Fifteenth and Market streets, \$3,550. N. C. Nolan Co. (O), 1105 Market street. New flush bulks. Hogg Const. Co. (C), 706 Denckla Building.

Storage, 1727 Ranstead street, \$1,400. F. P. Melon (O), 200 Middle City Building. Flush bulk. George C. Dougherty (C), 1725 Ludlow street.

Store, 1537 South Fifth street, \$600. B. Freidman (O), on premises. Flush bulk. A. Filkelman (C), 320 Roseberry street.

Tenement, 1624 North Fifteenth street, \$2,500. A. Jeneman (O), 1530 North Fifteenth street. John Engel (C), 3006 North Fifth street.

Dwelling, 1902 Diamond street, \$3,000. C. W. Brown (O), 1836 Mt. Vernon street. Change to apartments. William Collyer (C), 1902 North Twenty-ninth street.

Dwelling, York and Natrona streets, \$1,000. A. Weitz (O), Thirty-second and York. M. J. Benamy (C), 3042 West York street.

Store, Twenty-second and Fox streets, \$650. A. Grimm (O), 3002 North Twenty-second street. Flush bulk. M. J. Benamy (C), 3042 West York street.

Store and Dwelling, 708 North Front street, \$1,000. Mrs. Weiss (O), 308 New street. Repair fire damage. Louis Swirdloff (C), 228 South Fifty-ninth street.

Dwellings (2), 2712-14 North Lawrence street, \$2,000. Herman Goldner (O), 425 West Lehigh avenue. Brick, 1 story, 30x12 feet. William J. Jones (C), 2927 North Fifth street.

Factory, 347 North Fourth street, \$565. Alfred E. Garrett (O), on premises. Hatchway enclosure. Frank Reeder & Sons (C), on premises.

Garage, 1509 Germantown avenue, \$2,500. Henry Katz (O and C), 1535 Germantown avenue. Fire repairs.

Sunday School, 8814 Germantown avenue, \$1,500. Chestnut Hill Methodist Episcopal Church (O), on premises. Brick, 1 story, 6x20 feet. George S. Roth & Sons (C), 2306 Gravers lane.

(Continued from Page 321.)

of the trades, he is forced to await the outcome of a troublesome process until the point at issue is determined. In many cases buildings nearly ready for occupancy have been held up for months because of some trivial dispute of the character.

Some of the squabbles of most frequent occurrence arise over whether the carpenter or sheet metal worker shall install certain kinds of trim; whether the electrician or elevator constructor shall install certain elevator work; or whether the plumber, steamfitter or some other worker shall put in work claimed by all of them. Recently a dispute between the slate roofers and carpenters as to which trade should place asphalt shingles has caused some delay and trouble on various jobs in Cleveland and other cities.

At each session of the building trades department of the American Federation of Labor for years, claims similar to the above have been fought out, consuming a great deal of time and causing considerable bitterness. Even after decisions have been rendered great difficulty has been found in enforcing them. On this account an interim meeting of representatives of all trades, was held a few years ago and counsel was taken as to how to accomplish the desired results. Authority was given the president of the department to take steps to remedy the difficulty. Only a small measure of success resulted. So it has come about that the international leaders of the workmen are themselves the most enthusiastic promoters of the present alliance. They declare that the feature of the plan for the league of nations gives them the idea upon which they are working. It is confidently stated that if all of the elements now combine in the creation of the plan and work for its enforcement, there can be no question as to its successful operation.

In cases where organizations of workmen express dissatisfaction with the rulings and decisions and undertake to ignore them the entire power of the league will be brought to bear upon such recalcitrant and such organization will find it exceedingly difficult to go along under such a handicap.

The prelude to the plan as outlined in the printed circular sent to all interested bodies contains the following significant sentences:

"The close of the world war opens a new era of world democracy. A league of nations has been created to bring about unity of action that will protect the weak against aggression by the strong and in-

troduce conciliation and arbitration as a means of settlement of differences between nations instead of by war. We should have a league of all interests in the building trades to cement us into one solid body for conciliation, arbitration, awards and findings to settle disputes as to jurisdiction over work in the building trades claimed by more than one trade. May we not substitute peaceful methods in place of warlike ones?"

Briefly explained, the plan provides for the creation of a board "to investigate and pass upon jurisdictional disputes and render awards thereon as they arise or threaten between building trade unions." The board shall be known as the National Board of Jurisdictional Awards of the Building Industry, and shall consist of eight members and eight alternates, four to be selected by the Building Trades Department of the American Federation of Labor, and one each by the American Institute of Architects, the American Society of Engineers, the Associated General Contractors of America, and National Association of Builders' Exchanges.

The duties of this board shall be to determine by which trade any work in contention shall be performed and make an award in conformity with the facts submitted. These decisions shall be applicable throughout the United States and must be observed by all parties at interest. In cases of a tie vote by the board, an umpire may be agreed upon whose findings shall be final. This umpire shall be chosen by the board itself, but if unable to agree the Secretary of the U. S. Department of Labor shall be asked to name the umpire.

A feature of the plan worthy of special note that the employers are permitted in cases of disputes to proceed with such workmen as in their judgment they may see fit to employ pending a decision by the board. This makes the jurisdictional strike and resultant sympathetic strikes impossible. In the latter connection a section of the plan reads: "A law of the Building Trades Department of the A. F. of L. forbidding sympathetic strikes in cases of jurisdictional disputes shall be strictly enforced."

It is provided that the decisions of the Board of Awards shall be recognized by architects and engineers in writing specifications and by associations of employers in forming agreements with individual trades. Other features of similar character are incorporated for the purpose of making the proposed regulations binding and effective. The plan has the support of Cleveland builders.—*"American Property Owner."*

Portland Cement, Sand or Gravel by carload. Consult DAVID FRANCE CO.,  
Tasker Street Wharf, Delaware River, Philadelphia.



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Tapestry, Face, Common Paving)

O. W. Ketcham.....Builders' Exchange, Phila.  
John S. E. Pardee & Co.....Heed Bldg., Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.  
Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.

Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Contractors' Equipment.

Service Equipment Co.....Bourse Bldg., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.  
General Fireproofing Co. 512 Bulletin Bldg., Phila.

Henry S. Harris.....Land Title Bldg., Phila.

Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.

McCalla Co., The Harold....531 N. 4th st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.

Truscon Steel Co....Commonwealth Bldg., Phila.

## Floor Plates.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.  
Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co. 1332 Arch st., Phila.

## Gas Water Heaters.

Apeldorn & Beatty Co....155 N. 9th st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.  
Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

Richardson and Boynton Co. 1332 Arch st., Phila.

## Hollow Tile.

O. W. Ketcham.....Builders' Exchange, Phila.

## Insurance.

Harris J. Latta.....Pennsylvania Bldg., Phila.  
Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.

Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Iron and Steel Bars and Plates.

McCalla Co., The Harold....531 N. 4th st., Phila.  
Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.  
Morris Wheeler & Co. 30th and Locust sts., Phila.

## Levels.

Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

## Light Iron Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lumber.

Wm. Lloyd Co.....29th and Ridge ave., Phila.

James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.  
Italian Marble Mosaic Co....433 Spruce st., Phila.  
Roman-Cianci Co., Inc...3428 Warren st., Phila.

## Metal Lath.

Audubon Wire Cloth Co., Inc....Audubon, N. J.  
Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.

General Fireproofing Co. 512 Bulletin Bldg., Phila.

McCalla Co., The Harold....531 N. 4th st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.

Truscon Steel Co....Commonwealth Bldg., Phila.

## Metal Lath Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Metal Tiles and Shingles.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Meters.

Philadelphia Meter Co.,  
Real Estate Trust Bldg., Phila.

## Mill Supplies.

The Fairbanks Co.....7th and Arch sts., Phila.

## Paints and Varnishes.

The Barrett Company,  
New York and Philadelphia.

French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

## Paving Bricks.

O. W. Ketcham.....Builders' Exchange, Phila.

John S. E. Pardee & Co.....Heed Bldg., Phila.

## Pipe Fittings and Valves.

The Fairbanks Co.....7th and Arch sts., Phila.

## Plumbing Fixtures.

Fleck Bros. Co.....44 N. 5th st., Phila.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Preservatives (Wood and Concrete).

The Barrett Co.....New York City and Phila.

## Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.

Henry M. Miller.....46-48-50 N. 2d st., Phila.

Richardson and Boynton Co. 1332 Arch st., Phila.

## Refrigerators.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.

## Reinforcing Bars.

Morris Wheeler & Co. 30th and Locust sts., Phila.  
Truscon Steel Co....Commonwealth Bldg., Phila.

## Roofing.

The Barrett Co.....New York City and Phila.

## Roofing Tile.

O. W. Ketcham.....Builders' Exchange, Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Roofing Tin.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Roofing Slate.

William Moore Co.....1506 Sansom st., Phila.

## Safety Guards.

Audubon Wire Cloth Co., Inc....Audubon, N. J.  
Kensington Metal Co....1612 N. 2nd st., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

## Screens.

Thos. J. Malia.....141 Wentz st., Phila.

## Steam Specialties.

Apeldorn & Beatty Co....155 N. 9th st., Phila.

## Slate.

William Moore Co.....1506 Sansom st., Phila.

## Soundings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co.....Bourse Bldg., Phila.

John B. Rulon.....1355 Colwyn st., Phila.

## Structural Slate.

William Moore Co.....1506 Sansom st., Phila.

## Structural Steel.

McCalla Co., The Harold....531 N. 4th st., Phila.  
Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Surety Bonds.

Harris J. Latta.....Pennsylvania Bldg., Phila.  
Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.

Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co.....Bourse Bldg., Phila.

John B. Rulon.....1355 Colwyn st., Phila.

## Tile and Terrazzo Work.

Belfi Bros. & Co.....1923 Market st., Phila.

French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

Italian Marble Mosaic Co....433 Spruce st., Phila.

Roman-Cianci Co., Inc...3428 Warren st., Phila.

William Moore Co.....1506 Sansom st., Phila.

## Tiling.

William Moore Co.....1506 Sansom st., Phila.

## Transits.

Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

## Ventilators.

Merchant & Evans Co.,  
2035 Washington ave.

## Water Paint.

Wm. B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Waterproofing.

The Barrett Co.....New York City and Phila.

## Water Supply.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Weather Strip (Metal).

American Metal Weather Strip,  
2118 Diamond st., Phila.

Thos. J. Malia.....141 Wentz st., Phila.

## Wheelbarrows.

The Fairbanks Co.....7th and Arch sts., Phila.

## Wire Work.

Audubon Wire Cloth Co., Inc....Audubon, N. J.

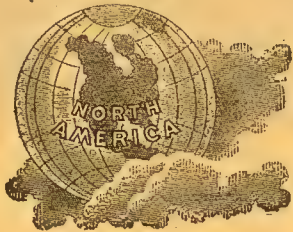
Kensington Metal Co....1612 N. 2nd st., Phila.



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1919



## Insurance Company of NORTH AMERICA PHILADELPHIA

### ASSETS

|                                      |                 |
|--------------------------------------|-----------------|
| Bonds and Stocks.....                | \$24,280,745.19 |
| Cash in Banks.....                   | 2,395,335.33    |
| Premiums in course of transmission.. | 3,203,681.96    |
| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

### LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

Total Liabilities ..... \$30,801,413.40

Surplus to Policyholders..... \$ 12,922,516.93  
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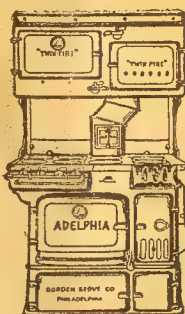
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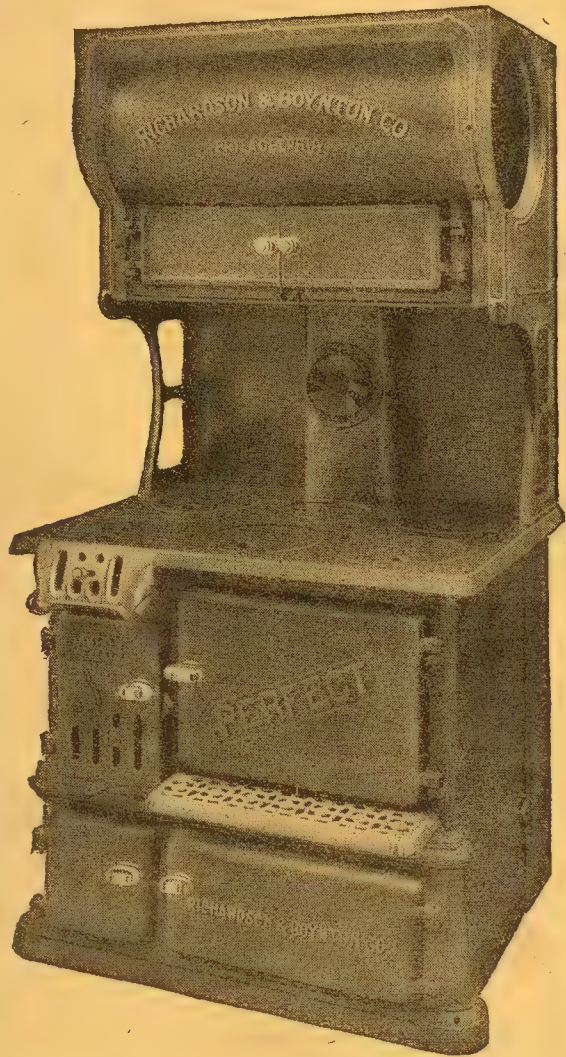
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 24  
June 11, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

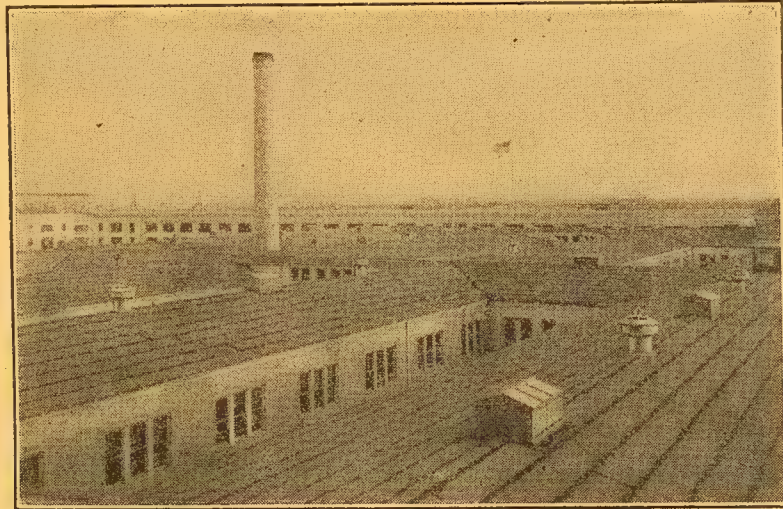
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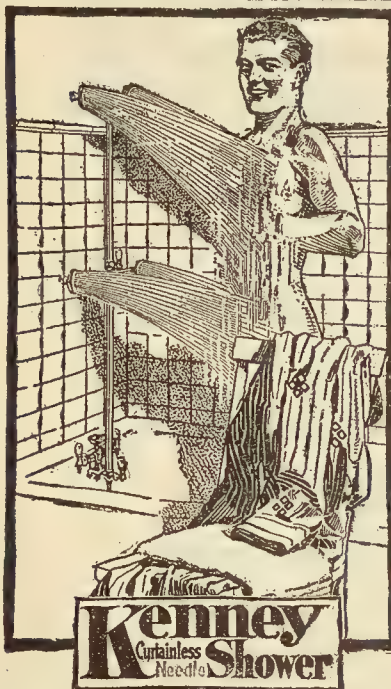


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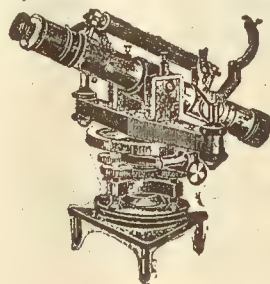
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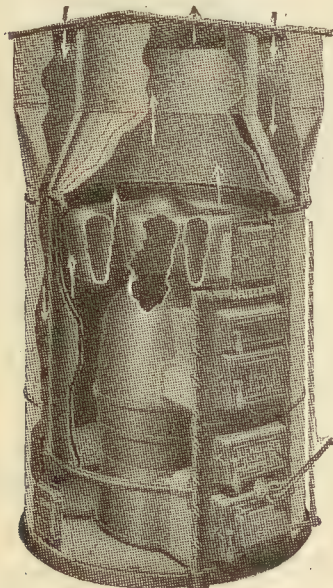
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 24

PHILADELPHIA  
June 11, 1919

## BUILDERS' GUIDE

OFFICES, PERRY BUILDING (Suite 824-825-826)  
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## As The Editor Sees It



THE movement for better housing conditions for workmen received a powerful impetus during the war, due to the necessity of attracting workmen to the sites of war industries. The call for decent living quarters and surroundings, which had gone unheeded for years, except in a few isolated cases, suddenly became a most vital factor in the winning of the war, and therefore had to be answered.

The lessons learned in this emergency are not to end, however, with the cessation of hostilities, but are to prove a benefit to the workingmen of future generations, and, through increased efficiency of labor, to the industries of peace.

"The demobilization of armies," says the *Manufacturers' News*, "the readjustment of industrial conditions, the first steps in the return to normal life after the demoralization of war," are today the most vital matters affecting the economic life of the nations of the world. No country can, or will, return to conditions existing at the beginning of the war. Among the many changes brought about by the years of struggle is the very important change in the matter of industrial housing.

In considering their reconstruction activities, both England and France have given careful thought to the question of housing of workers, and these countries, profiting by their war experience, have made very definite plans regarding the re-establishment of permanent homes for

labor turning from war-time to peace-time industries.

In the United States, the U. S. Housing Corporation, a subdivision of the Department of Labor, has met the war emergency and has kept labor on the job by its promptness and efficiency and the businesslike methods of its administration. The after-the-war function of this organization now becomes to put at the disposal of the individual all of the information it has collected during the war emergency and to see that the individual family gets the benefit of its vast experience. Future plans of the government in this regard contemplate the disposal of the homes which have been constructed upon terms which will make it possible for the thrifty workman to become a home owner with the minimum hardship. In many industrial centers the government has already constructed homes for workers, but in order that those who do not live in the vicinity of these completed homes may also receive the benefit of its experience, the U. S. Housing Corporation has arranged to furnish its plans to those who may desire to construct similar homes.

Unquestionably the Congress of the United States, which provided for the U. S. Housing Corporation as a war emergency, will continue this highly important government undertaking in some manner which will permit the American workingman to benefit as an individual from the experience of the government.

When the United States accepted the

challenge to fight for its existence, it became necessary, in order to carry out its war program, to provide for the fast increasing numbers of industrial workers in certain localities where war contracts had been placed and thereby insure their remaining at their tasks. It was found that in many of these industrial centers the congested living conditions made it impossible for war industries to secure and hold the labor necessary for their operation; that, chiefly as a result of inadequate housing conditions, the labor turnover often ranged from 200 to 300 per cent. a year, with the attendant financial loss, waste of time and inefficiency. In fact it was evident that the prosecution of the war was being slowed up as a consequence of the housing conditions.

Normal peace-time expenditure in the United States for workingmen's homes has been estimated at one billion dollars a year; in 1919 the war pressure cut down the expenditures for this purpose to ten per cent. of that amount. It was also found that restrictions upon building materials, the general scarcity and high cost of labor, the derangement of prices incident to the war and the consequent difficulty of securing building loans combined to discourage private investment. This condition made government aid imperative as a war measure.

The U. S. Housing Corporation was created to meet the crying need for relief and its function has not been merely to build houses for industrial workers, but also to provide houses for such work-

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ers in every manner possible. The success of the efforts to keep workmen "on the job" by providing adequate living facilities is evidenced in industrial centers from coast to coast and from the Canadian line to the Mexican border.

The Housing Corporation has concerned itself not alone with providing homes in the immediate vicinity of great industrial plants. Where it has been found to advantage, the corporation has gone farther afield and where it has been cheaper and quicker to provide transportation facilities, between the industrial centers and more favorable housing communities, the corporation has met conditions by arranging adequate train, trolley or boat service. Frequently this has been done by furnishing financial assistance, properly secured, to existing transportation companies. In other cases, the corporation has arranged for commutation fares which enabled workers to live at a distance from their places of employment. Ferryboats have been chartered by the corporation for the benefit of the workers and other means have been evoked which enabled workers to get to and from their work in a reasonable time and at a reasonable cost.

The corporation also has made every effort to stimulate private capital to an interest in the housing shortage and has met with remarkable success along this line in a great many industrial centers where the demand for houses exceeded the supply.

One of the undertakings of the corporation was to compile a complete list in a number of the larger cities containing every factory employing more than ten men, including a statement as to the kind of work that the less essential factories could take on as a war measure and how long it would take these factories to change over from a peace to a war basis. In this way it was found that in many localities no extra housing would have to be provided if a certain percentage of labor was diverted from the less essential factories to those engaged in war work.

When it was found impossible to provide living accommodations by any other means, the Housing Corporation adopted its final method of meeting the demand by the acquisition of land and the construction of homes. In some instances this comprehensive method resulted in the building of entire new centers. However, before deciding upon the construction of such a "project," the corporation satisfied itself as to the industrial stability of the center and the probable existence of a normal population in non-war times. This was done in order to provide for the safety of the investment and to justify the permanent additions to local housing.

The wisdom of this policy of aiding in the construction of industrial housing has been shown by the fact that the mere announcement of the government's intention to build houses was sufficient to hold workers on the job, and that, as the work progressed there was a marked diminution in the labor turnover in that district.

A unique feature of the U. S. Housing Corporation's method is found in the management and operation of its houses. Its task is not finished with the completion of homes and the arrangement of transportation facilities. Having called its industrial towns into existence, the corporation is obliged to manage them to the satisfaction of the citizens, or tenants. For the multiform duties involved in this operation, a town manager is appointed. This official is, in fact, a hotel manager on a large scale, a real estate expert and a morale officer. He is responsible for the physical upkeep of the houses, the maintenance of sanitary conditions, the abatement of nuisance, the adjustment of those neighborly disputes which, unadjusted, lead to the police court, and for the general welfare and supervision of the population. The duties of the town manager also include the establishment and maintenance of desirable social and recreational activities; he is the energizer of community life.

On the score of architectural appearance there are lessons to be learned from the work of the Housing Corporation, both positive and negative, concerning the means by which small houses may be made beautiful consistently with economy of construction and convenience of use; but perhaps the most striking lessons in this respect concern the location of the houses and the general town planning. When long lines of houses on long, straight streets are imposed by an existing rectangular street plan, the houses being small and close together by force of economy, hardly any architectural skill can produce a thoroughly agreeable result, even by resort to grouping and to such variations in set-back as are normally acceptable to the occupants. The experience of the corporation has merely confirmed in this respect a generally accepted opinion of town planners that in residential developments, especially for small houses, comparatively short street vistas in proper scale with the houses are extremely important, whether secured by absolute discontinuity of the minor streets or by moderate curves or angles in them; and that such departures from the theoretical economy of the rectangular plan need not involve, if well designed, an appreciably greater cost per house for streets, utilities and land.

THAT there is no time to be lost in the solution of our housing problems, is shown by the recent report of the Housing Committee of the New York Reconstruction Commission. The conditions brought out in the report are in no way peculiar to New York City, but exist in every city and town in the country:

Abram I. Elkus, Chairman of the Commission, said recently:

"The intensive survey that has been made in characteristic parts of the city in which the poor of New York live, has made it apparent that a great part of the population of New York are dwelling in places in which human beings in a civilized country should not be forced to live.

"Next winter the scarcity of houses in New York City will be so great and rents will be so high, unless houses are built this season, that labor will be turned away and New York's business, industry and prestige will suffer.

"It is apparent that to meet the present emergency we must not only build more houses, but we must build better houses. The war-time experience of the government made it apparent that workmen go where they are able to find sufficient decent houses which they can afford. New York next winter is likely to experience an increased turn-over of labor just as did the munition and shipbuilding towns a year ago. But more than that, no one can tell to what extent the growing discontent among the tenants may lead to riots or worse.

"There is but one solution to the present emergency. It is to build more houses and build them at once.

"Building industries have been completely discontinued by the war and the speculative builder as well as lender, is afraid to take a chance at this time. They fear competition of building that may be erected at lower cost in the future.

"Insurance companies or other sources of large loans are unwilling to lend to the small speculative builder on the uncertain values of the present time. Building and loan associations cannot get sufficient financing on their low rate of interest.

"The fuller utilization of existing buildings by turning old single-family dwellings into multi-family houses and the repair of older tenements now partially out of use would result in most cases in the perpetuation of an undesirable type of housing. It would give a very limited increase in capacity; it would give so small a degree of relief that it cannot be considered a solution.

"As a matter of fact, the fundamentals of the situation are summed up in the reaching of new price levels during the war, and the uncertainty on the part of



all interests involved in building that these price levels are permanent or even likely to endure over a period of years, cause the lending institutions to refuse to recognize them at all.

"According to the U. S. Department of Labor, prices on building materials, not including steel, have increased 84 per cent., whereas other commodities have increased 113 per cent. When prices do stabilize the new value of the dollar is likely to be somewhat between the two.

"In building operations, 40 per cent. of the cost is for labor at the site in assembling the material; 5 per cent. is for freight; 35 per cent. is for labor in the mines and factories at the source of supply in the manufacture of the raw material; 20 per cent. represents raw material.

"As a matter of fact, under date of April 9, 1919, Thos. S. Holden, Division of Public Works and Construction Developments, U. S. Department of Labor, states: 'After a somewhat extended study of prices it is the opinion of the Division of Public Works and Construction Developments that a new price level has been established by economic conditions attendant upon the world war.'

"No matter what opinions may be as to the possibilities of a decrease in the cost of building materials there are few who are of the opinion that the cost of Labor will decrease.

"Since the stoppage of buildings by reason of the war, the city has spent several hundred million dollars on rapid transit lines which have been put into operation and have made available in the boroughs outside of Manhattan a large amount of cheap land, where people can live and go to and from their places of business in moderate time. This cheap land will offset to some extent the increased cost of construction.

"It is believed that a large building operation should be undertaken for the purpose of demonstrating that building, if carried on properly, is safe at the present time and will pay a reasonable return; and by starting such building the speculative builder may be encouraged to again re-enter the market.

"This would create a much-needed opportunity to break the deadlock in business and especially in the building industries. Apparently all of the studies show that the building industries are the key to the business and unemployment situation.

"It has, therefore, become apparent to us that relief must be sought by the stimulation in the ordinary channels of business to build more houses at once; but we are equally convinced that the mere stimulation of building would be effective only if it were safeguarded with the proviso that buildings erected with co-operation of the plan we propose, must

conform to definite standards of improved light, air and construction. Assurances have been received from the building world that if a program could be started the business of building will readjust itself and confidence will be re-established, and thereupon an independent program of individual initiative will go forward. Builders and money lenders are apparently all waiting for something and a deadlock exists. Courage is needed, and we are therefore of the opinion that a program can only be started if new sources of financing are found. Our commission has, therefore, worked out definite proposals, based on definite figures. It needs the co-operation of the public to make it a success. Our figures have convinced our Housing Committee and its advisory group of experts that a housing finance corporation, with a large capital, can immediately erect buildings that can be rented at moderate rentals.

"The big function of a Reconstruction Commission at this time is the re-establishment of the confidence of the people in their ability to carry on business. The Commission has attempted to do that from various angles. It is convinced that fundamentally the opening up of the building industry and the re-establishment of it on a sound basis is going to complete the economic circle by providing not only the needed new home, but also by bringing about a readjustment of the employment situation, which is so essential at the present time. The whole thing is a problem of the transitional period, the real reconstruction period between the end of the war and the permanent peace, which all countries have to approach, and we have to approach this one thing right here in New York City. Somebody has to take up the slack—the state cannot. We believe there is no greater public duty than just the re-establishment of that business confidence through the opening up of building activities. We, therefore, propose that the citizens of this state shall not rely upon the state or the city with its constitutional limitations, which would mean several years to overcome. We think there is enough enterprise in the merchants and capitalists of the city of New York to take care of this problem and to take care of it immediately, to enable the people to find homes and the unemployed employment."

The concrete plan proposed for New York is summarized by Alfred E. Marling. Mr. Marling says:

"We have taken the usual type of so-called new law tenements, covering 70 per cent. of the land, having most of its rooms lighted from narrow courts, 6 feet wide, and compared it with studies of an improved type covering 37½ per cent.

of the land with courts 32 feet wide, all opening on a large open-air, inner court playground.

"With the same cost per room to the tenant, the old type of construction gives smaller return to the owner, costs him more to operate, and gives the tenant less air, less light, and no play place but the streets for the children.

"The new type which we proposed gives greatly increased light and air to every room, gives sufficient and safe outdoor play spaces for the children, and, at the same cost to the tenant, gives the owner with less or his land space occupied a better return on his money.

"The economy of these operations can only be demonstrated in large operations, such as block square units. Small unit building will not relieve the present shortage, or be as economical or as sure in return as the larger scale. The maximum social benefit is also only to be secured from the large unit.

"With a fund of \$5,000,000, we can house approximately 18,000 to 20,000 persons, or 4,500 family units, about one-fifth of the present shortage, to say nothing of the shortage we will face in the fall.

"We can rent at \$8 to \$9 per room per month, so that a 4-room apartment can be had at from \$32 to \$35 a month. These prices are based on figures secured by taking comparative bids on various items entering into construction costs. These indicated an increase of approximately 50 per cent. over pre-war prices. A similar study made by the Department of Labor of the U. S. of certain types checked our figures accurately.

"Our figures also show that allowing for taxes, cost of operation, management, mortgage interest, insurance and amortization there will still be a return to the ownership of 6 per cent. or more.

"The New York investigation brings out the usual conflict between those who would encourage private initiative and those who would fall back on government or municipal housing projects. These latter, in most cities, cannot be made effective immediately because of constitutional limitations in municipal debts.

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The "Builders' Guide" is in its thirty-third year of continuous publication.



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Warehouse and Store Building**, 17-19 North Tenth street, Philadelphia. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owner, Snyder & Co., 134 North Tenth street, Philadelphia. Brick, steel, terra cotta, concrete, tapestry brick and cut stone, 5 stories, 31x104 feet, slag roof, oak and maple floors, metal lath, elevators, stone foundations, steam heat, electric light, tile work, hollow metal sash, rolled steel skylights, fire doors, iron work. Architect taking bids due June 12th at noon. Mackle-McClelland Co., Drexel Building; J. S. Rogers Co., Drexel Building; E. E. Hollenback, Inc., 1804 Brandywine street; Barclay White & Co., 1713 Sansom street; F. I. Wintz, 1618 North Twenty-seventh street, and Smith-Hardican Co., 1606 Cherry street, are figuring.

**Residence**, Southeast Corner Wakeling and Horrocks streets, Philadelphia. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, A. M. Stearne, Stephen Girard Building. Stone, 3 stories, 44x28 feet, wing 20x25 feet, shingle roof, oak floors (plumbing, heating, electric work and tile work reserved). Architect taking bids due June 16th. F. L. Hoover & Sons, 1023 Cherry street; C. West & Co., 1231 Wakeling street; R. C. Ballinger & Co., 218 North Thirteenth street; William J. Gruhler & Co., 219 East High street; H. E. Grau Co., 1709 Sansom street; William C. Wright, 22 Harvey street, and George Rimer, 4842 Hawthorne street, are figuring.

**Candy Kitchen**, Germantown avenue above Tioga street, Philadelphia. Architect, William H. Wooters, 816 West Allegheny avenue. Owner, Martin J. Hesch, care of architect. Brick, 2 stories, 16x110 feet, slag roof, cement and maple floors, steam heat, electric light, stone foundations, metal lath, flush bulks. Plans in progress.

**Building (alt.)**, 512 Market street, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Moskovitz & Herback, on premises. Fireproof shaft for elevator, metal sash, rolling steel shutter, repairing, skylights, floors, plumbing, cement work, mill work, new chimney. Architects taking bids due as soon as possible from E. R. Hall, 34 South Seventeenth street; Lam Building Co., 1001 Wood street; William R. Dougherty, 1610 Sansom street, and Basch & Co., 1426 South Front street.

**Bank (alt. and add.)**, Broad and Diamond streets, Philadelphia. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owner, Broad Street Bank, James B. Gillies, Southeast Corner Broad and Diamond streets, Philadelphia. Architect selected. Plans in progress. Too early for details.

**Department Jewelry Store (alts.)**, Northwest Corner Eighth and Chestnut streets. Architects, Greisler Abramson Co., Lafayette Building, Philadelphia. Owner, I. Press, Eighth and Chestnut streets, Philadelphia. Marble and ornamental bronze, first floor,

50x100 feet, mill and cabinet work, etc. Architects will be ready for bids in a week.

**Garage**, West Philadelphia. Architect, Herman H. Kline, 536 Mifflin street, Philadelphia. Owner, name withheld. Brick, concrete and structural iron, 2 stories, 76x214 feet, slag roof, cement floors, concrete foundations, steam heat, electric lighting. Architect will be ready for bids in one week.

**Warehouse**, 263-265 North Second street, Philadelphia. Architect, Herman H. Kline, 536 Mifflin street, Philadelphia. Owner, name withheld. Brick, 3 stories, 22x50 feet, slag roof, plank floors, (1) electric elevator, steam heat, electric light, stone foundations. Architect is ready for bids.

**Stores and Dwellings (37)**, Kensington avenue, between I and Ontario streets. Architect, Herman H. Kline, 536 Mifflin street, Philadelphia. Owners, J. Korman and Benjamin Dintenfuss, 307 Lafayette Building, Philadelphia. Brick, 2 stories, 15x60 feet, and irregular 46x45 feet, slag roof, pine floors, concrete foundations, hot water heat, electric and gas light, flush bulks, ornamental iron work. Owners are ready for sub-bids.

**Residences (21)**, Fifty-sixth and Greenway avenue. Architects, Greisler-Abramson Co., Lafayette Building, Philadelphia. Owner, S. Rader, care of architects. Brick, 2 stories, 16x42 feet, slag roof, oak floors, stone foundations, hot water heat, electric light, tile work. Taking sub-bids.

**Dwellings (20)**, Fifty-fourth, Wynnefield and Woodbine avenues, \$176,000. Architect, private plans. Owner, Daniel Crawford, Jr., 701 North Sixty-third street. Stone, 3 stories, 23x39 feet, 32x36 feet, 24x45 feet, hot water heat, slate roof, electric lighting, oak floors, tile work. Owner will build.

**Dwellings (26)**, Tenth and Loudon streets, Philadelphia, \$105,000. Owner, Daniel Crawford, Jr., 701 North Sixty-third street. Brick, 2 stories, 16½x32½ feet, 13x17½ feet, slag roof, hot water heat, electric lighting. Owners will build.

**Dwellings (25)**, Warnock and Courtland streets, \$113,500. Architect, private plans. Owners, Izenberg & Liebman, 3303 Kensington avenue. Brick, 1 story, 15x28 feet, 12x12 feet and 16x45 feet, slag roof, hot water heating, electric lighting, pine floors. Owners will build.

**Residences (8)**, Rising Sun avenue and Princeton avenue, \$25,600. Owner, S. Walter Cook, 5718 North Fourth street. Brick, 2 stories, 16x40 feet, slag roof, hot water heating, electric lighting, pine floors. Owner will build.

**Dwellings (23)**, Stores and Dwellings (2), Sheridan, Johnson streets and Oregon avenue, Philadelphia, \$48,500. Architect, private plans. Owner, A. Berman, 2502 South Third street, Philadelphia. Brick, 2 stories, 16x32 feet, slag roof, hot air heat, electric light. Owner will build.

**Dwellings (4)**, Lawndale and Bleigh streets, Philadelphia, \$3,000. Architect, private plans. Owner, Louis Leitenberger, 7345 Oxford avenue, Philadelphia. Brick, 2 stories, 14½x45 feet, slag roof, hot water heat, electric lighting, pine floors. Owner will build.

**Dwellings (2)**, Beaumont avenue and Vevie road, \$6,000. Architect, private plans. Owners, George Rosenberger and Charles Sandstrum, 4612 North Ella street. Frame, 2 stories, 16x34 feet, shingle and slag roof, hot water heat, electric lighting. Owner will build.

**Church (alt. and add.)**, Wyalusing avenue and Fifty-fifth street. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, Advent Church of the New Jerusalem, on premises. Stone, 1 story, 61x38 feet, slag roof, stone foundations, steam heat, pine floors, electric light. Architect has received bids.

**Office Building and Store Room**, Fifth and Hunting Park avenue, Philadelphia. Architect, Henry D. Schaefer, 4830 Marvine street, Philadelphia. Owner, Philadelphia Pipe Bending Co., on premises. Brick, 2 stories, 21x60 feet, tin roof, cement and pine floors, stone foundations, rolled steel sash, metal lath, iron work (heating, lighting and plumbing reserved), iron work. Owners have received bids.

**Sub-Basement and Basement**, Philadelphia Art Museum, Parkway, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Commissioners of Fairmount Park, 127 City Hall. Concrete and steel, irregular size, 500 feet long, excavation, grading, concrete and steel work, waterproofing. Lowest bidder: Standard Const. Co., 1713 Sansom street, \$459,500, 250 days.

**Residence and Garage**, Chestnut Hill, Pa. Architect, Charles Willing, 1627 Sansom street, Philadelphia. Owner, Mrs. B. F. Pepper, Sunset and Crefeld streets, Chestnut Hill. Stone, 2 stories, 36x78 feet, wing 20x24 feet, garage 14x38 feet, and greenhouse 12x14 feet, shingle roof, oak and cement floors, metal lath, stone foundations, marble work, waterproofing, iron work (heating and lighting reserved). Architect taking bids due June 16th. Pringle Borthwick, 8018 Germantown avenue; J. S. Cornell & Son, Morris Building; J. Sims Wilson Co., 1125 Brown street; J. E. Walt, 208 East Willow Grove avenue, and W. John Stevens, Inc., Wyncote, Pa.; William R. Dougherty, 1610 Sansom street; Specht & Sperry, Heed Building; George S. Roth & Sons, 230 East Gravers lane, and I. A. Dunkelberger, 71 East Herman street, figuring.

**Store Building (add.)**, 617 South Fourth street, Philadelphia. Architect, Reuben Beard, 1231 Real Estate Trust Building, Philadelphia. Owner, Louis Richter, on premises. Brick, 3 stories and basement, 16x27 feet, slag roof, cement and pine floors hot water heat, electric light, metal ceilings. Revised plans in progress.



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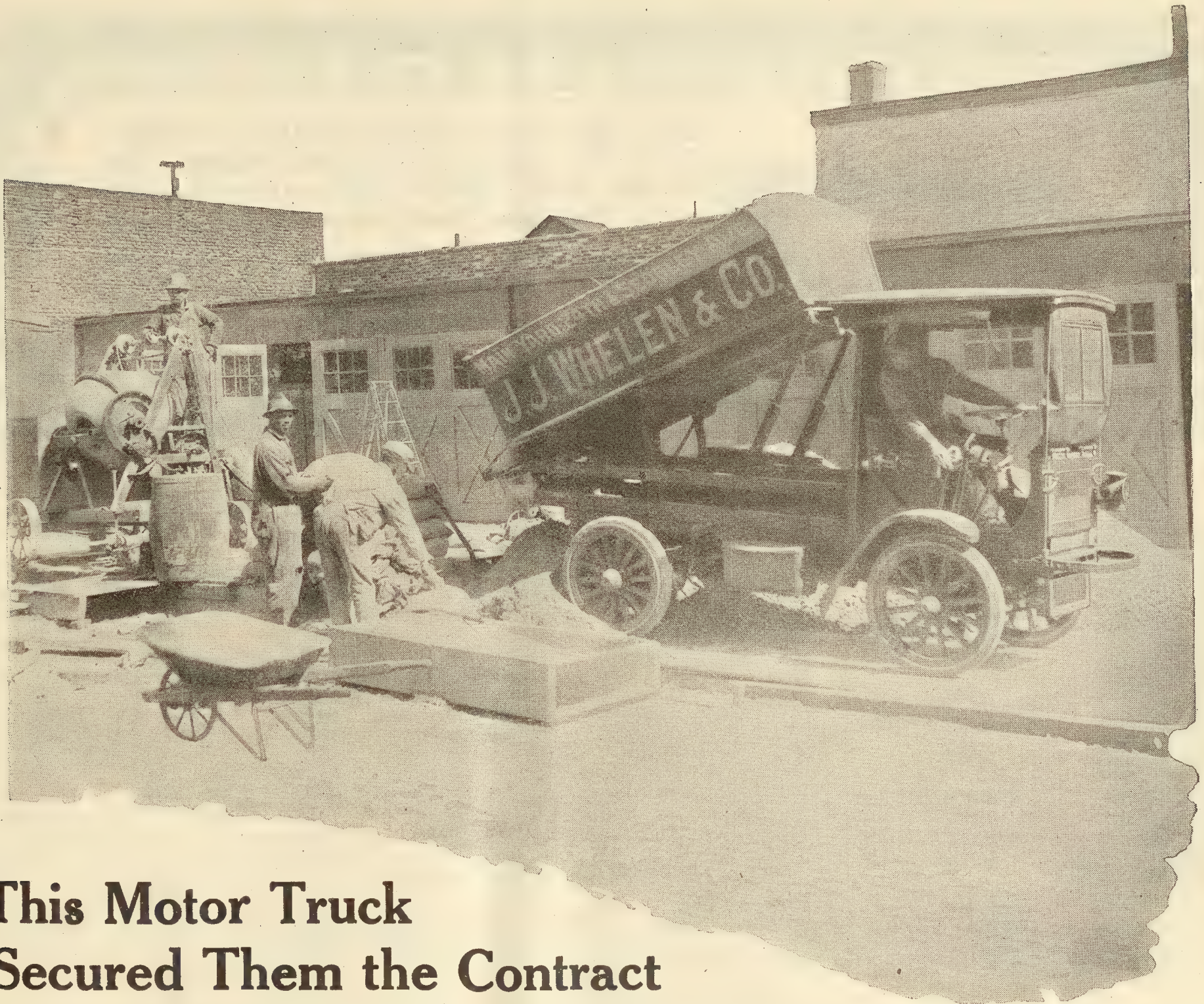
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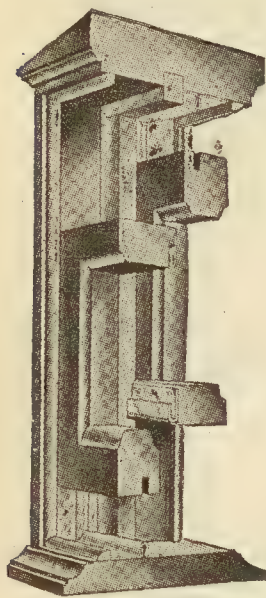
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gress. Architect will be ready for bids in ten days.

**Business Property (alt. and add.),** 1640 South street, Philadelphia. Architect, Reuben Beard, 1236 Real Estate Trust Building, Philadelphia. Owner, George Switt, on premises. Brick, 3 stories, 22x36 feet, slag roof, hot water heat, electric lighting, cement and pine floors, metal ceilings, iron guards. Revised plans about completed. Architect will take bids in a week.

**Factory,** Ontario and D streets, Philadelphia. Architect, Reuben Beard, 1236 Real Estate Trust Building. Owner, name withheld. Brick or hollow tile, 3 stories and basement, 100x200 feet, asphalt composition roof, maple floors, stone foundations, steam heating, electric lighting, rolled steel skylights, kinnear doors, (2) freight elevators. Revised plans in progress.

**Furniture Store and Storage Building,** 1208-10-12 Columbia avenue. Architect, Reuben Beard, 1238 Real Estate Trust Building, Philadelphia. Owner, name withheld. Brick and concrete, 3 stories, 50x80 feet, slag roof, maple floors, stone foundations, hot water heat, electric light tile and marble work, electric elevator, metal ceilings. Plans in progress.

**Garage,** 730 Kater street, Philadelphia. Architect, Reuben Beard, 1236 Real Estate Trust Building. Owner, name withheld. Brick, 1 story, 16x50 feet, slag roof, cement floor, stone foundations, electric lighting. Architect will take bids in one week.

**Dwellings (30),** Fisher's avenue, between Second and Third streets, Philadelphia, \$147,000. Architect, Andrew C. Boorzner, 717 Walnut street, Philadelphia. Owner, Frederick W. Storch, 1617 West Passyunk avenue. Brick, 2 stories, (4) 16x42 feet, 15 feet 3 inches x30½ feet, 12x11½ feet, slag roof, hot water heat, pine floors, electric light. Owner will build.

**Dwellings (161), Stores and Dwellings (14),** Sheridan street, Fairhill, Marshall, Randolph, Johnston streets and Oregon avenue, Philadelphia, \$427,000. Architect, private plans. Owner, A. Berman, 2502 South Third street, Philadelphia. Brick, 2 stories, 16x32 feet, hot air heat, electric light, pine floors. Owner will build.

**Dwellings (10),** Eighth street and Sixty-fifth avenue, \$70,000. Architect, private plans.

Owner, Harry C. Willer, 1336 Ruscomb street, Philadelphia. Brick, 2 stories, 16 feet 4 inches x40 feet and 16 feet 4 inches x52 feet, slag roof, hot water heat, electric light, pine floors. Owner will build.

**Dwellings (9),** Fifty-seventh and Sansom streets, \$54,500. Architect, private plans. Owner, Samuel Schlosberg, 6146 Pine street, Philadelphia. Brick, 2 stories, 16 feet 2 inches x40 feet and 15x30 feet, 12x12 feet, slag roof, hot water heat, electric light, oak floors. Owner will build.

**Garages (28) and Office Building,** Fifty-fourth and Whitby avenue, Philadelphia. Architects, Smith & Rovner, 703 Witherspoon Building. Owner, Harry J. Loeper, Fifty-fourth and Whitby avenue. Brick and steel, 1 story, 9x18 feet and 26x12 feet, slag roof, cement and pine floors, rolled steel sash (plumbing, heating and electric work reserved). Owner taking bids due June 14th. W. O. Springer, 1624 Latimer street; J. D. Fisher, 5414 Thompson street, and P. A. Sorenson, 1133 Callowhill street, are figuring.

**Theatre,** Fifty-second and Chestnut streets, Philadelphia. Architects, Hoffman Henon, Inc., Finance Building, Philadelphia. Owner, Stanley Co. of America, J. McGuirk, Vice-President, 1214 Market street, Philadelphia. Brick, stone, concrete, terra cotta, steel. Working plans in progress. Too early for details.

**Store and Dwelling (alt. and add.),** 244 South Fifty-second street. Architect, Reuben Beard, 1236 Real Estate Trust Building, Philadelphia. Owner, A. Tansman, 260 South Fifty-second street, Philadelphia. General alterations, hot water heat, electric light, quarry, mosaic and Spanish tile work, marble work, hollow metal sash, flush bulks, metal ceiling, cement work, iron work. Owner is taking bids.

**Aircraft Assembly Shop,** Spec. 3927, Navy Yard, Philadelphia. Architect, private plans. Owner, Bureau of Yards and Docks, Navy Department, Washington, D. C. Brick and steel, 1 story, 201x680 feet, wing 347x403 feet, slag or gravel roof, maple floors, wood foundations, hot air heat, electric light, rolled steel sash, iron work. Owners taking bids due June 25th. F. W. Mark Cont. Co., Commercial Trust Building, and Hughes-Foulkrod Co., Commonwealth Building, are figuring.

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**Adams Building (add.)**, Philadelphia. Architects, Ballinger & Perrott, Seventeenth and Arch streets, Philadelphia. Owner, Edward M. Harris, 2214 Chestnut street, Philadelphia. Brick, steel, concrete, 4 stories addition to present building. Architects will take bids in a few days.

**Rectory**, Westmoreland and G streets, Philadelphia. Architect, Hoffman Henon, Inc., Finance Building, Philadelphia. Owner, Roman Catholic Church of the Ascension of Our Lord, Rev. Denis J. Broughal, on premises. Stone and brick, 3 stories. Architects taking bids due June 14th at 10 A. M. William R. Dougherty, 1610 Sansom street; John McShain, 1610 North street; William J. McShane, 417 South Thirteenth street; Conneen Const. Co., Fuller Building; E. E. Hollenback, Inc., 1804 Brandywine street, and Melody & Keating, 1322 Race street, are figuring.

**Residences (9)**, Sixty-second and Locust streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Calvin Rogers, Forty-ninth and Locust streets, Philadelphia. Brick, 2 stories, 16x40 feet (garages in basements), slag roof, hot water heating, combination lighting, oak floors, cement floor, tile work. Owner is ready for sub-bids.

**Garage**, 160-162 Queen street, Germantown. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, W. W. Bacon, on premises. Brick, 1 story, 20x20 feet, slag roof, cement floors, stone foundations (electric work reserved). Architect taking bids due June 11th. John M. Yardley, 1716 Sansom street, is figuring.

**Laboratory**, Front and Erie avenue, Philadelphia. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owner, Hess-Bright Mfg. Co., on premises. Brick, 2 stories and basement, 42x105 feet, steam heating, electric light, reinforced concrete and tile roof, reinforced concrete floors, metal lath. Architect will take bids in two weeks.

**Garage**, Southeast Corner Sixty-seventh and Paschal avenue, \$5,000. Architect, private plans. Owner, J. I. Lenhart, on premises. Brick, 2 stories, 18x100 feet, 18x65 feet, slag roof, cement floors, electric lighting. Owner will build.

**Garage**, 1537 North Park avenue, Philadelphia. Architect, Herman H. Kline, 536 Mifflin street, Philadelphia. Owner, Edward L. Ish, on premises. Brick, 1 story, 16x18 feet, slag roof, cement floor, steam heat, electric lighting. Owner is taking bids. Albert Schmitt, 2449 North Hancock street, is figuring.

**Storage and Garage Building (alt. and add.)**, Eleventh and Christian streets. Architects, MacKenzie & Wiley, Liberty Building, Philadelphia. Owner, Florence Importing Co., on premises. Brick, iron and steel work, interior alterations, cement floors, elevator, flush bulks. Architects will take bids in a few days.

**Apartment House and Stores**, Forty-ninth and Walnut streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Mrs. Rebecca Russell, Adelphia Apartments, West Philadelphia. Brick, 3 stories and basement, 36x76 feet, slag roof, oak floors, stone foundations, combination light, hot water heat, roof ventilators, tile and marble work. Plans completed. Owner will take sub-bids in one week.

**Bank Building (alts.)**, Point Breeze avenue and Wharton street (Southwest Corner). Architects, Robert W. Pollock and Harry R. Rust, 1802 Chestnut street. Owner, Roosevelt Bank, Point Breeze avenue and Wharton street. General interior and exterior alterations, marble and bronze work, electric fixtures, tile work, marble floors, concrete vault, bank fixtures. Architects will be ready for bids in two weeks.

**Office Building**, Twentieth and Indiana avenue, Philadelphia. Architect, H. Childs Hodgens, Room 312, 130 South Fifteenth street, Philadelphia. Owners, Frehofer Baking Co., Twentieth and Indiana avenue. Brick, 1 story, 100x115 feet, stone foundations, slag roof, composition or cork floors, tile floors, steam heat, electric light, hollow metal skylights, tile and marble work. Architect will take bids in 3 weeks.

**Residence (alts.)**, 1630 Spruce street, Philadelphia. Architect, H. Childs Hodgens, Room 312, 130 South Fifteenth street, Philadelphia. Owner, Dr. A. J. Cohen, care of architect. General alterations to residence and new garage, 1 story, 16x20 feet, slag roof, cement floors, electric lighting. Architect will take bids in two weeks.

**Lincoln Court Apartment House**, Johnson

street and Lincoln Drive, Germantown. Architect, H. Childs Hodgens, Room 312, 130 South Fifteenth street, Philadelphia. Stone, 3 stories (size of lot 185x200 feet), 38 apartments, oak floors, composition roof, stone foundations, steam heat, electric lighting, tile and marble work, garage in basement, fireproofing. Architect taking approximate bids due as soon as possible. Joseph F. Myers, Jr., Co., 1237 Ridge avenue, and F. A. Havens Co., 845 North Nineteenth street, are figuring.

**Pattern Shop**, Spec. 3478, Navy Yard, Philadelphia, \$300,000. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Owners taking bids due June 25th. Deposit, \$20.

**Garage**, 115 West Tulpehocken street, Germantown. Architects, Heacock & Hokanson, 1212 Chestnut street, Philadelphia. Owner, Mrs. Jules Wellens, Fisher's lane and Logan street. Hollow tile and stucco, 1½ stories, 20x28 feet, shingle roof, cement and pine floors, stone foundation, hot water heat, electric light, iron work. Architects taking bids due June 14th. Specht & Sperry, Heed Building; F. B. Davis, 240 North Sixteenth street; William H. Eddleman & Son, 453 Green lane; J. E. Kearney, 34 South Seventeenth street; William R. Graham, 3649 Filbert street, and Samuel Harting, 20 East Johnson street, are figuring.

**Garage**, Thirty-third and Columbia avenue, Philadelphia, \$50,000. Architect, Andrew J. Sauer & Co., 908 Chestnut street, Philadelphia. Owner, S. Leberman, 505 Chestnut street, Philadelphia. Brick, 1 story, slag roof, concrete foundations, cement floor, electric lighting, steam heating. Plans in progress.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Wall (add.)**, Frankford Arsenal, Philadelphia, \$10,000. Architect, private plans. Owners, United States Government, Frankford Arsenal, Philadelphia. Stone, increasing height of 1000 feet stone wall, laying concrete driveway. Contract awarded to Ketcham & McQuade, 1029 Brown street.

**Bank (alt. and add.)**, Kensington and Allegheny avenues, Philadelphia. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Kensington Trust Company, on premises. Brick and reinforced concrete, 1 story, 50x75 feet, and 3 stories, 15x50 feet, stone foundations, steam heat, electric light, tile and marble work, skylights, tile roof, composition tile, cement and maple floors,

etc. Contract awarded to F. B. Davis, 240 North Sixteenth street.

**Garages (2)**, Fifty-seventh and Hoffman streets, \$13,400. Architect, private plans. Owner, Francis H. Thole, Southwest Corner Fifty-eighth and Hoffman streets. Brick, 1 story, 17x145 feet and 26½x17 feet, slag roof, cement floor, electric lighting. Contract awarded to John F. Holland, 309 South Fifty-first street.

**Garage**, Seventh and Allegheny avenue, Philadelphia. Architect, William H. Wooters, 816 West Allegheny avenue. Owner, John J. Kelly, Seventh and Allegheny avenue. Brick, 1 story, 18x20 feet, slag roof, cement floor, electric light. Contract awarded to Dan-



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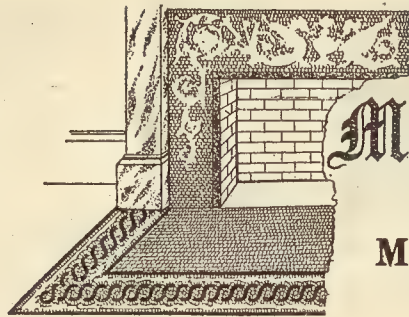
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Warehouse, 432 Manning Street, Philadelphia

iel W. O'Dea, 5227 North Fifth street, Philadelphia.

**Warehouse**, Southeast Corner Milnor and Bleigh streets, \$6,000. Architect, private plans. Owner, L. Martin Co., Milnor and Cottman streets. Brick, 1 story, 50x101½ feet, slag roof, cement floor, electric light. Contract awarded to Busby & Propert, 1658 Unity street.

**Garage**, Wissahickon avenue, North of Cliveden street, \$3,000. Architect, private plans. Owner, Charles E. Dearnley, on premises. Brick, 1 story, 29½x23 feet, slag roof, cement floor. Contract awarded to William H. Eddleman & Son, 453 Green Lane.

**Forge Shop**, 1624-30 North Ninth street, Philadelphia. Architect, private plans. Owner, P. H. McGookin, 1630 North Ninth street. Brick and steel, 1 story, 90x90 feet, stone foundations, composition roof, pine floors. Contract awarded to Frank H. Leonard, Land Title Building, Philadelphia.

**Residence and Garage**, Westview and Wissahickon avenue, Germantown, \$15,000. Architects, De Armond, Ashmead & Bickley, Franklin Bank Building. Owner, Henry P. Erdman, Land Title Building. Hollow tile and plaster, 2½ stories, 29x39 feet, shingle roof, oak floors, stone foundations, hot air heat, electric lighting, tile work. Contract awarded to Charles Johnson, 5701 Boyer street, Germantown.

**Elevator Shaft**, Navy Yard, Philadelphia, Spec. 3851. Architect, private plans. Owner, United States Government, Department of Public Works, Navy Yard, Philadelphia. Hollow tile and concrete, 4 stories, slag roof. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

**Elevated Stations (4)**, Somerset street and Allegheny avenue. Architect, private plans. Owner, City of Philadelphia, Department of City Transit, Mershon Building. Brick, steel and reinforced concrete, terra cotta. Contract for No. 564 awarded to Standard Const. Co., 1713 Sansom street. Contract for No. 565 awarded to James Connor, 1317 Arch street.

**Residence**, Graver's lane, East of Ardleigh street, \$11,800. Architect, private plans. Owner, Charles A. Streeper, 15 Springfield avenue, Philadelphia. Stone, 3 stories, 27x32 feet, 15x17 feet, slate roof, hot water heat. Contract awarded to George S. Roth & Son, 230 East Graver's lane.

**Dwelling and Garage**, Lindley avenue and Warnock streets, Philadelphia, \$9,150. Architects, MacKenzie & Wiley, Liberty Building,

Philadelphia. Owner, Dr. William S. Schantz, D and Allegheny avenue. Stone, 3 stories, 25x33 feet, 1 story, 20x20 feet, slate and tin roof, hot water heat, electric light, cement work, tile work, oak floors. Contract awarded to Cerasoli & Searci, 1231 Christian street.

**Rectory and Church (repairs)**, Fifty-fourth and Vine streets, Philadelphia. Architects, Hoffman Henon Co., Finance Building, Philadelphia. Owner, Our Lady of Victory R. C. Church, care of Rev. John F. Graham. General repairs, stone work, leaded glass, slate roof repairs, glazing. Contract awarded to William J. McShane, 417 South Thirteenth street, Philadelphia.

**Residence (alts.)**, 133 South Eighteenth street, Philadelphia. Architect, private plans. Owner, Charles J. Kieferle, 211 South Seventeenth street, Philadelphia. General alterations to interior. Contract awarded to Hogg Const. Co., Denckla Building, Philadelphia.

**Dwelling**, South side of Monument avenue, West of Parkside avenue, \$13,000. Architect, private plans. Owner, G. J. Barrett, 1210 Race street, Philadelphia. Stone, 3 stories, 23½x23 feet, 28x22 feet, slate roof, hot air heat. Contract awarded to J. Anderson Ross, 2917 North Broad street.

**Office Building (alt. and add.)**, 204-06-08 South Fifth street, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, Home Life Insurance Co., on premises. Brick, 4 stories, repairs to roof, electric light, tile work, steel and iron work (heat reserved), plastering, mill work, painting. Contract awarded to Henry C. Dahl, 231 South Eighth street, Philadelphia.

**Garage**, 3838 Wallace street, Philadelphia, \$3,000. Architect, private plans. Owner, P. M. Gross, 639 North Thirty-ninth street, Philadelphia. Brick, 1 story, 46x43 feet, 8x26 feet, s'ag roof, electric light. Contract awarded to J. Howard Roberts, Lansdowne, Pa.

**Factory**, Wissinoming, Philadelphia (Comly and Milnor streets). Architect, David B. Bassett, Perry Building. Owner, Quaker City Rubber Co., Charles A. Daniel, 629 Market street. Brick and reinforced concrete, 2 stories, 140x160 feet, slag roof, cement and wood floors, hollow tile, metal lath, elevators, metal window guards, concrete foundations, steam heat, electric lighting, slate work, rolled steel sash and skylights, kalamein doors, iron stairs. Contract awarded to J. S. Rogers Co., Drexel Building, Philadelphia.

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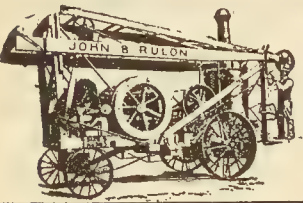
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Philadelphia. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owners, Firth & Foster, on premises. Brick and hollow tile, 1 story, 64x68 feet, slag roof, plank floors, hollow tile, hollow metal skylights, concrete foundations, iron work (heating, electric lighting and plumbing reserved). Contract awarded to F. A. Havens Co., 845 North Nineteenth street.

**Building (alts.)**, 1302-04 Point Breeze avenue, \$6,000. Architect, Robert W. Pollock, 1802 Chestnut street. Owners, E. F. Lawrence and J. P. Stuhltrager, on premises. Alterations, tile and marble work, metal bulks (heating and plumbing reserved). Contract awarded to F. W. Van Loon, Denckla Building, Philadelphia.

**Bakery (fire repairs)**, Sixtieth and Naudain streets, \$1,500. Owner, Mayer Baking Co., on premises. Mill work, plastering, matching floors. Contract awarded to Potts Bros. & Cooperson, 129 North Eleventh street.

**Bank Building**, Eleventh and Montrose streets, Philadelphia. Architects, MacKenzie & Wiley, 806 Liberty Building, Philadelphia. Owner, South Philadelphia State Bank, 923 South Eleventh street, Philadelphia. Brick, terra cotta, cut stone, 2 stories, 30x84 feet, slag roof, hemlock, pine and linoleum floors, stone foundations, vapor heat, electric light, terrazzo work and marble work, metal lath, steel and iron work. Contract awarded to Frank Lucci, 1603 Ellsworth street, Philadelphia.

**Residence (alts.)**, 1705 Jefferson street, Philadelphia. Architect, Andrew J. Sauer & Co., 908 Chestnut street, Philadelphia. Owner, Maurice Leberman, on premises. Brick, 3 stories, mill work, painting, plumbing, plastering, electric work. Contract awarded to D. J. McNamee, 1621 North Fifteenth street.

**Residence (alts.)**, 1715 North Eighteenth street, Philadelphia. Architect, Andrew J. Sauer & Co., 908 Chestnut street, Philadelphia. Owner, Frank Stern, on premises. Brick, 3 stories, electric lighting, parquet floors, plastering, painting and mill work. Contract awarded to D. J. McNamee, 1621 North Fifteenth street.

**Storage Building (add.)**, 410 South Taney street, Philadelphia, \$10,000. Architect, John Ashton, 316 Grange street, Olney, Pa. Owner, Charles Schaal & Son, on premises. Brick, 2 stories, 43½x60 feet, slag roof, cement floors, electric lighting. Contract awarded to F. Mark Cont. Co., 2820 North Twenty-first street, Philadelphia.

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## PENNSYLVANIA

## Construction News

**Residence**, Cynwyd, Pa. Architect, Frank Seeburger, Weightman Building, Philadelphia. Owner, A. W. Pickford, Cynwyd, Pa. Stone, 2½ stories, 28x67 feet, shingle roof, oak and pine floors, stone foundations, hot water heat, electric light, tile work, metal lath. Architect taking bids due June 14th. Wills-Ludwick Co., 1708 Sansom street; E. J. Hedden, Finance Building; J. E. Kearney, 34 South Seventeenth street; J. Howard Roberts, Lansdowne, Pa., and Alfred James, Bala, Pa. are figuring.

**Power House**, Reading, Pa. Architect, private plans. Owners, Philadelphia & Reading R. R. Co., Reading Terminal, Philadelphia. Brick, steel and concrete, 1 story, 38x50 feet, asbestos roof, brick and concrete floors, concrete foundations, rolled steel sash, steel doors, waterproofing. Owners taking bids due June 18th. Concrete coal bin, 11x46 feet. F. A. Havens & Co., 847 North Nineteenth street; Roydhouse-Arey Co., 112 North Broad street; H. E. Baton, 1713 Sansom street; A. L. Carhart, Penfield Building; F. W. Van Loon, Denckla Building; Robert E. Lamb Co., 845 North Nineteenth street; William Steele & Sons Co., Sixteenth and Parkway; Irwin & Leighton, 126 North Twelfth street; Charles C. Pace, Merion, Pa., are figuring.

**Residence**, Ridley Park, Pa. Architects, Seeburger & Rabenold, Weightman Building, Philadelphia. Owner, T. P. Ward, Ridley Park, Pa. Stone, 2½ stories, 25x41 feet, slate roof, oak floors, stone foundations, hot water heat, electric light, tile and marble work. Plans in progress.

**Residence**, Eagle Road, Oakmont, Pa. Architect, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, name withheld. Stone, frame and plaster, 2 stories, 30x35 feet, shingle roof, oak floors, pine floors, electric light, hot water heat, tile work. Architects will be ready for bids in two weeks.

**Residence**, Springfield, Delaware County, Pa. Architects, Durhing & Ziegler, Bailey Building, Philadelphia. Owner, J. W. Powell, care of architects. Frame (wide clapboard), 2½ stories, 30x50 feet, shingle roof, stone foundations, hot air heat, electric light, tile and marble work, oak floors, metal lath.

Architects taking additional bids from E. Allen Reeves, Abington, Pa.; W. John Stevens, Inc., Wyncote, Pa.; J. D. Lingle, Wayne, Pa., and John Dear, 4544 Greene street, due in about one week.

**Primary School add.**, Wayne, Pa. Architects, D. K. Boyd, V. Abel and F. Gugert, Otis Building, Philadelphia. Owner, School District of Radnor Township, care of Dr. Joseph C. Egbert, Chairman, Building Committee, Wayne, Pa.; Walter S. Mertz, Secretary, Wayne, Pa. Brick, granite and concrete, 2 stories and basement, (2) wings 35x47 feet, slate roof, stone foundations, steam heat, electric light, slate blackboards, maple floors. Owners have received bids.

**Residence (alt. and add.)**, Lansdowne, Pa. Architect, R. B. Okie, 1420 Chestnut street, Philadelphia. Owner, H. A. Bauer, Lansdowne, Pa. Plaster and frame, 2½ stories, 16x27 feet, shingle roof, pine floors, stone foundations, iron work (heat and electric work reserved). Owner has received bids.

**Residence (alt.)**, Melrose, Pa. Architect, Arthur H. Broekie, 1713 Sansom street, Philadelphia. Owner, C. R. Wood, Elkins Park, Pa. Stone, 3 stories, shingle roof, stone foundation, hot water heating, electric light, tile work, oak floors. Architect has received bids.

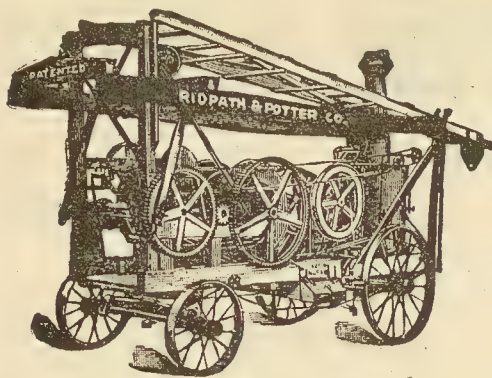
**Grammar School (alts.)**, Wayne, Pa. Architects, D. K. Boyd, V. Abel and F. Gugert, Otis Building, Philadelphia. Owner, School District of Radnor Township, Wayne, Pa. General interior alterations, new stairway, plumbing, heating, etc., steam heat, slate blackboards. Owner has received bids.

**Church**, Wayne, Pa. Architect, Henry P. Schneider, 3713 Old York road, Philadelphia. Owner, Second Baptist Church, care of Rev. J. W. Brooks, Wayne, Pa. Stone, 1 story and basement, slate roof, stone foundations, steam heat, electric light, tile work, pine floors. Architect is taking sub-bids due June 13th.

**Church**, Collegeville, Pa. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owner, St. Clare's R. C. Church, care of Rev. William A. Buessner, Collegeville. Stone, 1 story, 30x70 feet, slate roof, electric lighting. Architect taking bids due June 18th.

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**High School**, Bethlehem, Pa., \$1,000,000. Architect, Verus T. Ritter, North American Building, Philadelphia. Owner, Board of Directors, School District of Bethlehem; H. F. Judd, Secretary-Manager, Bethlehem, Pa. Brick, steel, reinforced concrete, granite, fireproof, 4 stories, 234x231 feet, concrete foundations, hollow tile, metal lath, tile, marble, terrazzo and slate work, hollow metal skylights, roof ventilators, metal doors, windows and trim, iron stairs, dampproofing, composition roof (cement wood block and hemlock floors, terrazzo, marble and rubber tile floors, iron work, blackboards, steam heat, electric work, plumbing, gas fitting, ventilating, swimming pool, clocks, bells and fire gongs, vacuum cleaner system, separate bids), (furniture, equipment and lighting fixtures reserved). Owners taking bids due July 14th. Deposit of \$50, refund \$35. Standard Const. Co., Presser Building, Philadelphia, is figuring.

**West Side School**, Bethlehem, Pa., \$200,000. Architect, Verus T. Ritter, North American Building, Philadelphia. Owner, Board of Directors, School District of Bethlehem; H. F. Judd, Secretary-Manager, Bethlehem, Pa. Metal lath, tile, marble, terrazzo and slate work. Brick, reinforced concrete, hollow tile, 2 stories, 176½x185 feet, composition roof, wood block, terrazzo and hemlock floors, hollow metal skylights, ornamental iron work. Owners taking bids due July 14th.

Deposit of \$26, refund \$20. Standard Const. Co., Presser Building, Philadelphia; Wark & Co., 1737 Filbert street, Philadelphia, are figuring.

**School (add.)**, Baumstown, Pa. Architect, W. M. High, 11 North Fifth street, Reading, Pa. Owner, Exeter Township School Board, Baumstown, Pa. Brick, 2 stories, irregular size, pine floors, roof ventilators. School Board receiving bids due June 16th.

**Bank**, Leesport, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, First National Bank, care of Samuel Deck, Leesport, Pa. Brick and limestone, 1 story, 32x60 feet, slag roof, tile and maple floors, vapor heat, electric light, marble work. Owners have received revised bids.

**Factory**, Mohrsville, Pa. Architect, Calvin Young, 520 Washington street, Reading, Pa. Owner, James Wagner & Co., Mohrsville, Pa. Brick, 1 story, mill construction, slag roof, electric light, rolled steel sash, rolled steel skylights, roof ventilators. Architect taking bids due June 20th. C. H. Schlegel, D. H. Hunter, Beard Const. Co., W. E. Spatz, Reading, and J. Hollenback, Burmille, Pa., are figuring.

**Garage**, Mineral Springs road, Reading, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Max Murta, on premises. Reinforced concrete, 2 stories, 24½x31½ feet, concrete roof, cement floors, hot water heat, electric light. Architect has received bids.

**Moving Picture Theatre (add.)**, Front and Green streets, Reading, Pa. Architect, Calvin Young, 520 Washington street, Reading, Pa. Owner, Howard Wientz, on premises. Brick, 1 story, slag roof, pine floors. Plans in progress.

**Apartment (alt. and add.)**, South Sixth street, Reading, Pa. Architect, Calvin Young, 520 Washington street, Reading, Pa. Owner, John Gerhardt, 123½ South Sixth street, Reading, Pa. Brick, 3 stories, irregular size, slate roof, pine floors, electric light, tile work. Plans in progress. Owner will take bids in a few days.

**Apartment (alt.)**, Reading, Pa. Architect, E. Z. Scholl, 136 Robinson street, Reading, Pa. Owner, Parris Hildebrandt, Madison street, Reading, Pa. 3 stories, general interior alterations. Plans in progress. Owner will take bids next week.

**Residences (2)**, Reading, Pa., \$25,000. Architect, E. Z. Scholl, 136 Robinson street, Reading, Pa. Owner, Milton Hollis, Franklin street, Reading, Pa. Brick, 2½ stories, 35x53 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Architect will take bids next week.

**Church, Sunday School and Parsonage**, Juniata, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, St. John's Lutheran Church, care of Rev. E. R.

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**Residence (alts.)**, 313 North Fifth street, Reading, Pa. Architect, W. M. High, 11 North Fifth street, Reading, Pa. Owner, Dr. Leo W. Kehl, 418 North Penn street, Reading, Pa. General interior alterations. Tile work. Architect taking sub-bids due June 14th.

**School**, Sadsbury Township, Pomeroy, Pa. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, George W. Rettew, Pomeroy, Pa. Brick, 1 story. Plans in progress.

**Office Building**, Market street, near Front street, Harrisburg, Pa., \$200,000. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Henry Claster, 304 Market street, Harrisburg, Pa. Fireproof, 8 stories, general interior alterations, steam heat, pine floors, tile and marble work, elevators, roof ventilators, hollow metal skylights. Plans in progress.

**Church**, Sixth and Mahantonga streets, Harrisburg, Pa. Architect, C. P. Lappley, 206 Market street, Harrisburg, Pa. Owner, Evangelical Church, care of Rev. E. W. Poltiers, Pennbrook, Harrisburg, Pa. Stone, 1 story and basement, 40x60 feet, stone foundations, slate roof, yellow pine floors, steam heat, electric light. Architect ready for bids due June 18th.

**Warehouse**, Tenth and Mulberry streets, Harrisburg, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Fritchey & Schattergog, 1827 North Seventh street, Harrisburg. Corrugated iron, 25x99 feet, concrete foundations, slag roof, pine floors, electric light. Architect will take bids June 9th, due June 18th.

**Office Building**, 613 Walnut street, Harrisburg, Pa., \$10,000. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Witman Schwaiz, care of C. K. Dern, on premises. Brick, 1 story, 26x80 feet, slag roof, maple floors, electric light. Architect will take bids this week.

**House**, Riverview, Harrisburg, Pa., \$5,000. Architect, C. P. Lappley, 206 Market street, Harrisburg, Pa. Owner, J. Miles Neidig, Lemoyne, Pa. Stucco and frame, 2 stories, 25x29 feet, concrete foundations, slate roof, steam heat, electric light, hardwood floors, tile work. Owner is taking bids.

**Manse**, Drexel Hill, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Drexel Hill Presbyterian Church, Drexel Hill, Pa. Stone and timber, 2½ stories, 27x33 feet, wing 10x20 feet, slate roof, stone foundations, electric lighting, tile work. Architects taking bids due June 12th. J. Howard Roberts, Lansdowne, Pa., and Bowden Const. Co., 1713 Sansom street, are figuring.

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## PENNSYLVANIA

### Contracts Awarded

**Residence (alt. and add.)** Wynnewood, Pa. Architect, William H. Wooters, 816 Allegheny avenue, Philadelphia. Owner, Rebe Carrigan, Wynnewood, Pa. New bath room, slag roof, electric work, heating extension, changing doors, pine floors. Contract awarded to Charles C. Pace, Merion, Pa.

**Garage**, Elkins Park, Pa. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, Joseph B. Haber, 1010 Race street, Philadelphia. Brick, 2 stories, slate roof, hot water heating, cement and pine floors, electric lighting. Contract awarded to W. John Stevens, Inc., Wynecote, Pa.

**Residence (alt. and add.)**, Concha Spring Farm, Holiconj, Bucks County, Pa., \$7,000. Architect, Philip J. Merz, Pennsylvania Building, Philadelphia. Owner, Dr. Willett B. Force, New York City. Stone, 2½ stories, slate roof, oak floors, vapor heating, tile and marble work, plumbing. Contract awarded to F. B. Davis, 240 North Sixteenth street.

**Residence and Garage**, Merion, Pa., \$40,000. Architect, Seeburger & Rabenold, Weightman Building, Philadelphia. Owner, W. H. Steigewalt, Merion, Pa. Stone, brick and plaster, 2½ stories, 21x80 feet, garage, 1½ stories, 21x25 feet. Contract awarded to J. E. Kearney, 34 South Seventeenth street, Philadelphia.

**Poultry and Hog House**, West Chester, Pa. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. Concrete, 1 story, 70 feet long, concrete floors. Contract awarded to William Jones, West Chester, Pa.

**School (add.)**, Fleetwood, Pa. Architect, W. High, 11 North Fifth street, Reading, Pa.

Owner, Fleetwood School Board, Fleetwood, Pa. Brick, 2 stories, 35x61 feet, stone foundation, composition roof, pine floors, electric light, roof ventilators. Contract awarded to Ambrose Hoffman, Fleetwood, Pa.

**Bakery (add. and alt.)**, Fourth and Elm streets, Reading, Pa., \$30,000. Architect, A. F. Smith, 1029 Penn street, Reading, Pa. Owner, Kolb Baking Co., North Fourth street, Reading, Pa. 2 stories, 69x122 feet. Contract awarded to D. H. Hunter, 830 North Eleventh street, Reading, Pa.

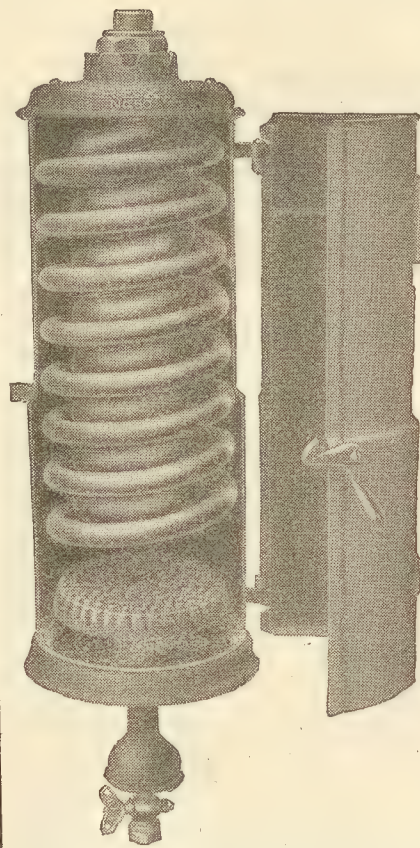
**Garage**, Fairview avenue, Wyomissing, Pa. Architect, Muhlenberg Bros., 513 Penn street, Reading, Pa. Owner, Rt. Rev. George Borneman, 151 North Ninth street, Reading, Pa. 1 story and basement, 36x32 feet. Contract awarded to J. Randenbush, Reading, Pa.

**Residence**, Schuylkill Haven, Pa., \$9,000. Architect, L. L. Gerherd, 619 Penn street, Reading, Pa. Owner, Mr. G. P. W. Sawl, Schuylkill Haven, Pa. Hollow tile, 2 stories, 30x52 feet, slate roof, oak floors, hot water heat, electric light. Contract awarded to H. G. Reed, Schuylkill Haven, Pa.

**Store (alt. and add.)**, Fifth and Penn streets, Reading, Pa., \$4,000. Architect, C. Young, 520 Washington street, Reading, Pa. Owner, American Cigar Stores Co., on premises. New store front, plate glass and interior alterations. Contract awarded to D. H. Hunter, Reading, Pa.

**Apartment House (alt.)**, 702 North Fifth street, Reading, Pa., \$5,000. Architect, C. Young, 520 Washington street, Reading, Pa. Owner, Mrs. G. H. Yocam, 702 North Fifth street, Reading, Pa. Brick and stone, 3 stories, general interior alterations. Contract

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awarded to Stumpf, Adams & Gotshall, Reading, Pa.

**Roxborough House for Women**, Roxborough, Pa., \$60,000. Architect, Andrew Sauer & Co., 908 Chestnut street, Philadelphia. Owner, Board of Directors, Home for Indigent Women, Roxborough. Stone, 2 stories, 40x80 feet, stone foundations, slate roof, yellow pine floors, vacuum heat, electric light, tile work, metal lath, roof ventilators, metal weather-strip, iron stairs, iron work. Contract awarded to Hughes-Foulkrod Co., Commonwealth Building.

**Bungalow (alts. and add.)**, Garage and Chauffeur's Quarters, North Glenside, Pa. Architects, Robert W. Pollock and Harry R. Rust, 1802 Chestnut street. Owner, name withheld. Stone and shingle, garage, 1½ stories, 24x45 feet (3 cars), shingle roof, general alterations to bungalow, oak, pine and cement floors, steam heating, electric light, tile work, plumbing. Architects will be ready for bids in a few days.

**Cottages (2) and School**, Littlestown, Pa., \$27,000. Architect, M. T. Kast, Commonwealth Building, Harrisburg, Pa. Owner, Hoffman Orphanage, Littlestown, Pa. Brick, 2½ stories, slate roof, steam heating, electric lighting, wood floors. Contract awarded to M. Houser, Hanover, Pa.

**Warehouse**, Cheltenham, Pa., \$9,445. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owner, Commissioners of Cheltenham Township, Ogontz, Pa. Stone, 1 story, 30x80 feet, slag roof, concrete floors, electric lighting. Contract awarded to John M. McShain, 1610 North street, Philadelphia.

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## NEW JERSEY Construction News

**Residence and Garage, Ventnor, N. J.** Architect, Laurence Visser Boyd, Harrison Building. Owner, A. P. Rosenberger, Stock Exchange Building. Hollow tile and plaster, 2½ stories, 73x28 feet, garage, 1 story, 24x24 feet, slate roof, stone foundations, electric light, tile and marble work, hollow tile (heating reserved). Architect has received bids.

**Yorkship School Building, Yorkship Village, Camden, N. J.** Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owner, Board of Education, Camden, N. J. Brick and steel, 2 stories, 172x125 feet, slag roof, concrete and pine floors, concrete foundations, tile work, metal lath, fire doors, waterproofing, iron work (steam heat, electric light and plumbing reserved). Owners taking bids due June 23rd. Cramp & Co., Denckla Building; A. R. Raff Cont. Co., 1635 Thompson street; Ketcham & McQuade, 1029 Brown street; William R. Dougherty, 1610 Sansom street; H. E. Baton, 1713 Sansom street; Baldwin Const. Co., Camden, N. J.; Doyle & Co., 1519 Sansom street; F. G. Stewart, 1619 Sansom street; Standard Const. Co., 1713 Sansom street; Wills-Ludwick Co., 1708 Sansom street, Philadelphia, and George Bachman, Camden, N. J., are figuring. (Plans may be obtained from architect.)

**Wilson School (alt. and add.), Ninth and Woodland streets, Camden, N. J.** Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owner, Board of Education, Camden, N. J. Brick, cut stone and steel, 2 stories, 38x166 feet, auditorium 41x90 feet, slag roof, pine and concrete floors, metal lath, roof ventilators, waterproofing, concrete foundation, rolled steel sash, fire doors, iron work, tile work (steam heat, electric light and plumbing reserved). Owners taking bids due June 23rd. Cramp & Co., Denckla Building; A. R. Raff Cont. Co., 1635 Thompson street; Ketcham & McQuade, 1029 Brown street; William R. Dougherty, 1610 Sansom street, and H. E. Baton, 1713 Sansom street, are figuring. (Plans may be secured from architect.)

**Bank Building, Broadway and Walnut street, Camden, N. J.** Architect, Philip J. Merz, Pennsylvania Building, Philadelphia. Owner, Broadway Trust Company, Camden, N. J. Stone, brick and steel, 2 stories, 64x76 feet, slag roof, cork, cement and oak floors, hollow tile, metal lath, roof ventilators, waterproofing, tile and marble work, iron work, concrete foundations (steam heat, electric light and plumbing reserved). Architect taking bids due June 16th at 10 A. M. J. Henry Miller, Baltimore, Md.; Marc Eidlitz, 30 East Fortysecond street, and C. T. Wills, 286 Fifth avenue, New York City; William R. Wrifford, 525 Market street, and J. W. Draper, 436 Haddon avenue, Camden, N. J., and Wark & Co., 1737 Filbert street; Doyle & Co., 1519 Sansom street; Metzger & Fisher, Otis Building; Longacre Const. Co., Widener Building; A. R. Raff Cont. Co., 1635 Thompson street; William R. Dougherty, 1610 Sansom street; Cramp & Co., Denckla Building, and George A. Fuller Co., Widener Building, all of Philadelphia, are figuring.

**Hall and Sunday School (add.), Paulsboro, N. J.** Architect, George E. Savage. Wither- spoon Building, Philadelphia. Owner, Metho-

dist Episcopal Church, care of Rev. S. M. Van Sant, Paulsboro, N. J. Stone, 2 stories, 40x60 feet, slate roof, pine floors, steam heat, electric light, stone foundations. Owner taking bids due June 12th. Edward P. Henry and Joseph L. Best, both of Woodbury, N. J.; William J. Adamson, Paulsboro, N. J.; Harry Hankins, Bridgeton, N. J., and J. W. Draper, Camden, N. J., are figuring.

**Bakery, Hermitage avenue, Trenton, N. J.** Architect, Walter Hankin, 239 South Warren street, Trenton, N. J. Owner, Kints & Kelton, Trenton, N. J. Brick, 2 stories, 30x60 feet, concrete foundations, slate roof, mill construction floors, steam heat, electric light. Lowest bid submitted by W. Irvin, Trenton, N. J.

**Service Building, 1187-89 Haddon avenue, Camden, N. J.** Architect, Joshua C. Jefferies, 1001 Chestnut street, Philadelphia. Owner, Franklin-McKenna Co., Camden, N. J. Brick, terra cotta and cut stone, 2 stories, 40x100 feet, slag roof, cement and oak floors, metal lath, roof ventilators, stone foundations, tile and marble work, rolled steel skylights, iron work, roof ventilators. Architect has received bids.

**Bungalow, Merchantville, N. J.** Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, Albert E. Barber, Merchantville, N. J. Stucco and brick, 1½ stories, 34x51 feet, shingle roof, oak and pine floors, hollow tile, stone foundations, hot water heat, electric light, tile work. Architect has received bids.

**Store, West Clinton avenue, Trenton, N. J.** Architect, L. S. Kaplan, Broad Street Bank Building, Trenton, N. J. Owner, Mendel Deitz, Trenton, N. J. Brick, 2 stories, 80x25 feet, 40x20 feet, stone foundations, slag roof, concrete and pine floors, electric light, plate glass, metal ceilings. Architect taking bids due June 12th. Charles Barbour, 114 North Montgomery street, and James Morris, Broad Street Bank Building, Trenton, N. J., are figuring.

**Fuel, Diesel and Gasoline Oil Storage, Spec. 3721, Cape May, N. J.** Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Reinforced concrete, 1 story, 49x93 feet, wing 20x28 feet, slag roof, concrete floors, timber piles, steam heat, electric light, etc. Lowest bidders, Mansfield & Savage, 135 William street, New York City, \$82,986, 150 days.

**Coast Guard Station (alts.), No. 128 Corson's Inlet, N. J.** Architect, private plans. Owners, U. S. Government, Commodore Commandant, Guard Bond Building, Washington, D. C. General improvements and alterations. Only bidder, Harry G. Scull, 502 Guarantee Trust Building, Atlantic City, N. J., \$3,828. Work to be completed July 31, 1919.

**Department Store, Broadway and Chestnut streets, Camden, N. J.** Architect, Reuben Beard, 1236 Real Estate Trust Building, Philadelphia. Owner, M. Bertowitz, care of architect. Brick, 3 stories, 26x104 feet, slag roof, pine floors, stone foundations, hot water heat, electric light, tile work, iron work. Architect is ready for revised bids.

**Factory (alts. and add.), Camden, N. J.**

Architects, Day & ... 611 Chestnut street, Philadelphia. Owners, Cleveland Worst- ed Mills Co., Allegheny avenue and Emerald street, Philadelphia. Brick, concrete, mill construction, 2 stories, 81x50 feet, wing 25x50 feet, 1 story under present building, 50x74 feet, slag roof, fire doors (roofing, painting, plumbing, heating, electric work and elevators reserved). Architects have received bids.

**Coast Guard Station (alts. and add.), No. 130, Townsend's Inlet, N. J.** Architect, private plans. Owners, U. S. Government, Commodore Commandant, Guard Bond Building, Washington, D. C. General improvements and alterations. Owners taking bids, due June 27th at 2 P. M.

**Roads and Walks, Spec. 3881, Section Base, Cape May, N. J., \$40,000.** Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Owners taking bids due June 18th. Deposit, \$10.

## New Jersey Contracts Awarded

**Signal Tower and Battery House, Glenmore Middle, N. J. (approx. \$16,000).** Architect, private plans. Owners, Philadelphia and Reading R. R. Co., Twelfth and Market streets, Philadelphia. Brick and terra cotta, 2 and 1 stories, 15x20 feet, 13x35 feet, asbestos and slate roof, cement floors, concrete foundations, hot water heat, electric light, hollow metal, cement floors, roof ventilators, structural steel and iron work. Contract awarded to Charles C. Pace, Merion, Pa.

**Victor Grinding Building (add.), No. 13-A, Camden, N. J.** Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Victor Talking Machine Co., Camden, N. J. Concrete foundations. Contract awarded to Simplex Foundry Co., Tacony, Philadelphia.

**Comfort Station Shelter, Essinpink Park, Trenton, N. J., \$8,000.** Architect, J. O. Hunt, 114 North Montgomery street, Trenton, N. J. Owners, City of Trenton, N. J. Brick, 40x50 feet, concrete foundations, slate roof, concrete floors, electric lighting. Contract awarded to S. W. Mather & Son, Trenton, N. J.

**House (add.), Laurenceville, N. J.** Architect, H. A. Hill, 40 East State street, Trenton, N. J. Owner, Oscar MacPherson, Trenton, N. J. Frame, 2 stories, 20x38 feet, slate roof, pine floors, steam heat, electric light. Contract awarded to Ed. LaRue, Trenton, N. J.

**Houses (Twin), Elmhurst avenue, Trenton, N. J., \$9,600.** Architect, private plans. Owner, C. V. Hill, Trenton, N. J. Brick, 2½ stories 14x46 feet, slate roof, pine floors, electric light, tile work. Contract awarded to Ed. D. LaRue, Trenton, N. J.

**Dwellings (2), West State street and Dean avenue, Trenton, N. J., \$13,000.** Architect, private plans. Owner, Wm. S. Reighno, Trenton, N. J. Brick, 2 stories, 16x48 feet, stone foundations, slate roof, pine floors, electric lighting. Contract awarded to Stephen Diekneit, Trenton, N. J.

**Demolition of Buildings, State and Willow streets, Trenton, N. J.** Bids will be received June 19th by the Associated Architects, First National Bank Building, Trenton, N. J. Office of Wm. Klemann.

**Store (alts.), West State and William sts., Trenton, N. J.** Architect, J. O. Hunt, 114 N. Montgomery street, Trenton, N. J. Owner, Sarah Jay and Petrit Express Storage Co.,

We have pebbles all sizes. Cost less than what you are using. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



on premises. Steel and stone, plate glass, painting, electric lighting. Contract awarded to Seiger & Sons, Trenton, N. J.

**Garage**, Hoverson Court, Trenton, N. J., \$2,850. Architect, private plans. Owner, Joseph Finn, Trenton, N. J. Brick, 1 story, slag roof, cement floors, electric lighting. Contract awarded to D. Rudenbarg, Trenton, N. J.

**Comfort Station (alts.)**, Warren street, Trenton, N. J., \$20,000. Architect, J. O. Hunt, 114 North Montgomery street, Trenton, N. J. Owners, City of Trenton, N. J. Steel partitions, new ornamental stone front, painting, plumbing, vacuum steam heat, tile work, metal ceilings. Contract awarded to S. W. Mather & Son, Trenton, N. J.

**Tank Foundations (2)**, Penn street and Delaware avenue, Camden, N. J. Architect, private plans. Owners, Campbell Soup Co., Camden, N. J. Concrete. Contract awarded to J. S. Rogers Co., Drexel Building, Philadelphia.

delphia.

**Factory**, City Line and White Horse Pike Collingswood, N. J. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Camden Motor Corp., care of D. Merritt Davis, Temple Building, Camden. Brick, terra cotta, 1 story, 76x310 feet, slow burning construction, slag roof, wood block floor, rolled steel sash, roof ventilators, etc. Contract awarded to J. S. Rogers Co., Drexel Building, Philadelphia.

**School**, Ventnor, N. J., \$49,850. Architects, J. F. Mathis & V. B. Smith, Atlantic City, N. J. Owners, Ventnor School Board, care of Mr. Zimmerman, Atlantic City, N. J. Brick, 2 stories and basement, 65x104 feet, concrete foundations, slag roof, maple floors, electric light, tile work, hollow tile, metal lath, roof ventilators, rolled steel skylights, kalamein doors. Contract awarded to Standard Const. Co., 1713 Sansom street, Philadelphia.

## DELAWARE

# Construction News

**House**, Park Drive, Wilmington, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner's name withheld. Brick, 2½ stories, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress. Architect will take bids in a week.

**Factory**, Unit No. 4, Third and Monroe sts., Wilmington, Del., \$100,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Standard Kid Manufacturing Co., on premises. Steel sash, mill construction, 6 stories, 70x150 feet, slag roof, plank floors, electric light, elevators, rolled steel sash, iron stairs, steel rolling doors, iron postcaps. Plans in progress. Architect ready for bids.

**Theatre (Moving Picture) (alts.)**, Sixth and

Market streets, Wilmington, Del., \$10,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, W. A. Jones, 2302 Van Buren street, Wilmington, Del. Brick and terra cotta, new front, balcony, lobby and stairway. Architect taking bids, due June 12th. Dennis & Buckley, C. J. Dougherty, and Tindal & Sons, all of Wilmington, are figuring.

**Storage Warehouse**, Fourth and Greenhill streets, Wilmington, Del. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Wilmington Leather Co., Second and Greenhill streets, Wilmington. Brick, slow burning construction, 2 stories, 135x235 feet, concrete foundations, slag roof, maple floors, electric light. Plans about completed.

## DELAWARE

# Contracts Awarded

**Church (alts.)**, Penn and Rodney streets, Wilmington, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owners, Westminster Church, Wilmington, Del. New pulpit, pews and addition to gallery. Contract awarded to W. H. May, Wilmington, Del.

**Residence**, Delaware and Woodlawn avenues, Wilmington, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner's name withheld. Brick, 2½ stories, 47x28 feet, stone foundations, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Contract awarded to Ed. Johnson & Son, Wilmington, Del.

**Store**, 814-16 King street, Wilmington, Del., \$30,600. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, John E. Kane, on premises. Brick and terra cotta, 2 stories and basement, 50x100 feet, slag roof, hardwood and pine floors, steam heat, electric and gas light, elevators, hollow metal skylights. Contract awarded to C. J. Dougherty, Wilmington, Del.

**Garage and Apartment**, Seventh and Thornon streets, Wilmington, \$2,700. Architect,

private plans. Owner, N. E. Leopold, Wilmington, Del. Brick, 2 stories, 18x30 feet, slag roof, electric light, maple floors. Contract awarded to Spires Const. Co., 814 Jefferson street, Wilmington, Del.

**Store (add)**, 216 West Ninth street, Wilmington, Del., \$24,420. Architect, private plans. Owners, Gewebi Piano Co., Wilmington, Del. Brick, slag roof, electric light. Contract awarded to Wm. D. Haddock, Wilmington, Del.

**Garage**, 200 Jefferson street, Wilmington, Del., \$6,800. Architect, private plans. Owner, Jacob Snyder, Wilmington, Del. Brick, 2 stories, 40x100 feet, slag roof, electric light. Contract awarded to Fred Kraff, 38 South Clayton street, Wilmington.

**Colonial Residence**, Seventeenth street, Wilmington, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner's name withheld. Brick, 2½ stories, 42x24 feet, wing 27x18 feet, stone foundations, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Contract awarded to Edw. Johnson & Son, Wilmington, Del.

## Miscellaneous

# Construction News

**Industrial Buildings**, Spec. 3909, Hampton Roads, Va. Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Brick, concrete and steel, 1 story, 50x58 feet, 88x77 feet, 152x54 feet, 152x54 feet, 28x56 feet (2) 22x28 feet, 2,000 feet of track, asbestos roof, concrete and wood block floors, hollow tile, elevators, safety treads, roof ventilators, concrete and wood foundations, vacuum heat, electric light, rolled steel sash, steel doors, iron work. Owners taking bids, due June 18th. Hughes-Foukrod Co., Commonwealth Building, Philadelphia, are figuring. (\$30.00 deposit.)

**Marine Barracks** Spec. 3916, Quantico, Va. Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Corrugated metal and steel, 1 story, corrugated metal roof, concrete floors, concrete foundations, roof ventilators, electric light, rolled steel sash and skylights. Owners taking bids, due June 18th. Hughes-Foukrod Co., Commonwealth Building, Philadelphia, are figuring.

**Bachelor's Apartment**, Akron, Ohio, \$125,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Paul Brogan, 1606 Harrison street, Wilmington, Del. Brick and steel, 3 stories, 141 rooms, 100x100 feet, concrete foundations, slag roof, wood floors, steam heat, electric light, tile and marble work. Owner taking general bids.

**Residence**, Elkton, Md. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner's name withheld. Stone and brick, 2½ stories, stone foundations, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to A. M. Strickland, Elkton, Md.

**Barn**, Elkton, Md. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner's name withheld. Stone, wood and brick, stone foundations, slag roof, cement floors, electric light. Contract awarded to A. M. Strickland, Elkton, Md.

**Residence**, Carol County, Md., \$12,000. Architect, Markley & Starr, Spooner Building, Harrisburg, Pa. Owner, name withheld, care of architect. Brick, 2½ stories, 31x40 feet, concrete foundations, shingle roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to Eline Bros., Littlestown, Pa.

**Factory**, Unit No. 4, Third and Monroe streets, Wilmington, Del., \$100,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Standard Kid Mfg. Co., on premises. Steel sash, mill construction, 6 stories, 70x150 feet, slag roof, plank floors, electric light, elevators, rolled steel sash, iron stairs, steel rolling doors, iron post caps. Contract awarded to J. A. Bader Co., Wilmington, Del.

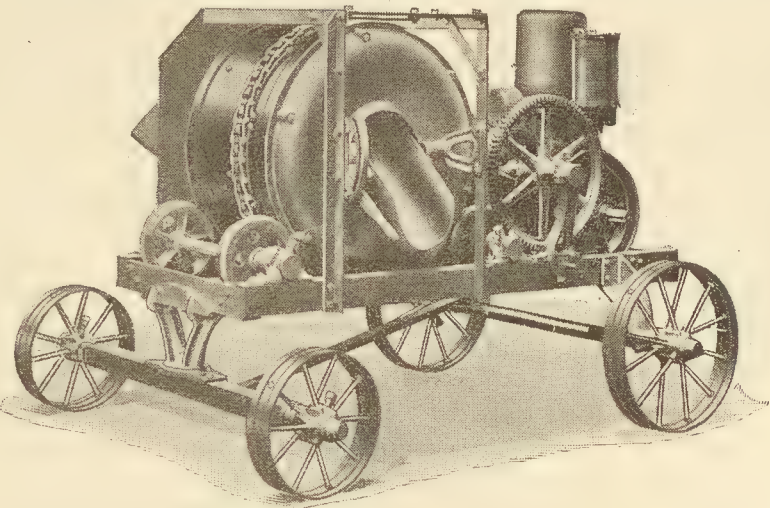
**Storage Warehouse**, Fourth and Greenhill streets, Wilmington, Del. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Wilmington Leather Co., Second and Greenhill streets, Wilmington, Del. Brick, slow burning construction, 2 stories, 135x235 feet, slag roof, concrete foundations, maple floors, electric lighting. Architect taking revised bids due June 14th. C. J. Dougherty, Joyce & Kerrigan, Lynch Const. Co., Stewart, Willey & Co. and John E. Healey & Son, Wilmington, Del., are figuring.



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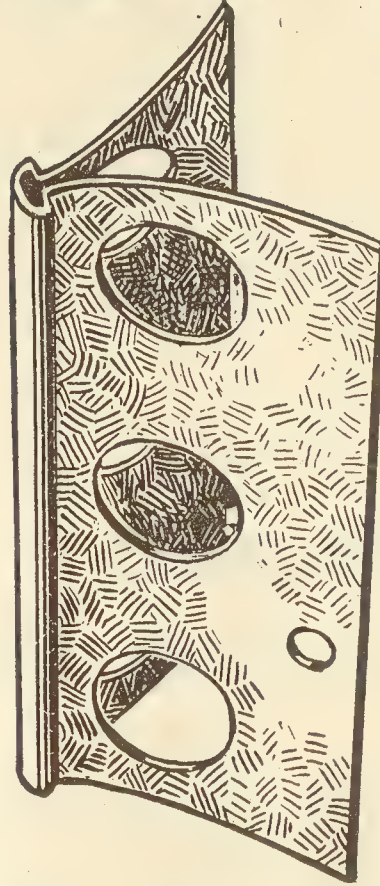
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O. W. Ketcham.....Builders' Exchange, Phila.  
John S. E. Pardee & Co.....Heed Bldg., Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.

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Lehigh Portland Cement Co.,  
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Pearce Fireproof Co.....1345 Arch st., Phila.

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The Barrett Company,  
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5632 Summer st., Phila.  
Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

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Service Equipment Co.....Bourse Bldg., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

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Chas. H. Robbins.....125 S. 11th st., Phila.  
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Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.  
General Fireproofing Co. 512 Bulletin Bldg., Phila.  
Henry S. Harris.....Land Title Bldg., Phila.  
Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.  
McCalla Co., The Harold... 531 N. 4th st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truscon Steel Co.... Commonwealth Bldg., Phila.

## Floor Plates.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.  
Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

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Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co. 1332 Arch st., Phila.

## Gas Water Heaters.

Apeldorn & Beatty Co.... 155 N. 9th st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

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Borden Stove Co.....1311-13 Arch st., Phila.  
Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

Richardson and Boynton Co. 1332 Arch st., Phila.

## Hollow Tile.

O. W. Ketcham.....Builders' Exchange, Phila.

## Insurance.

Harris J. Latta.....Pennsylvania Bldg., Phila.  
Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.  
Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.  
Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Iron and Steel Bars and Plates.

McCalla Co., The Harold... 531 N. 4th st., Phila.  
Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.  
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Metal Lath Specialty Co.,  
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Wm. Lloyd Co.....29th and Ridge ave., Phila.  
James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.  
Italian Marble Mosaic Co... 433 Spruce st., Phila.  
Roman-Cianci Co., Inc... 3428 Warren st., Phila.

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Audubon Wire Cloth Co., Inc.... Audubon, N. J.  
Consolidated Expanded Metal Co.,  
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McCalla Co., The Harold... 531 N. 4th st., Phila.  
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The Barrett Co.....New York City and Phila.

## Roofing Tile.

O. W. Ketcham.....Builders' Exchange, Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Roofing Tin.

Merchant & Evans Co.,  
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## Roofing Slate.

William Moore Co.....1506 Sansom st., Phila.

## Safety Guards.

Audubon Wire Cloth Co., Inc.... Audubon, N. J.  
Kensington Metal Co.... 1612 N. 2nd st., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

## Screens.

Thos. J. Malia.....141 Wentz st., Phila.

## Steam Specialties.

Apeldorn & Beatty Co.....155 N. 9th st., Phila.

## Slate.

William Moore Co.....1506 Sansom st., Phila.

## Soundings.

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Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
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## Structural Slate.

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## Structural Steel.

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## Terra Cotta (Architectural).

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## Test Borings.

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## Water Paint.

Wm. B. Southern,  
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1919

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## ASSETS

|                                      |                 |
|--------------------------------------|-----------------|
| Bonds and Stocks.....                | \$24,280,745.19 |
| Cash in Banks.....                   | 2,395,335.33    |
| Premiums in course of transmission.. | 3,203,681.96    |
| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

## LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

Total Liabilities ..... \$30,801,413.40

Surplus to Policyholders..... \$ 12,922,516.93

Losses paid since organization 203,147,689.78

The Oldest American Stock Insurance Company

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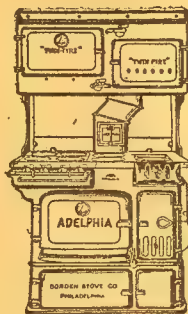
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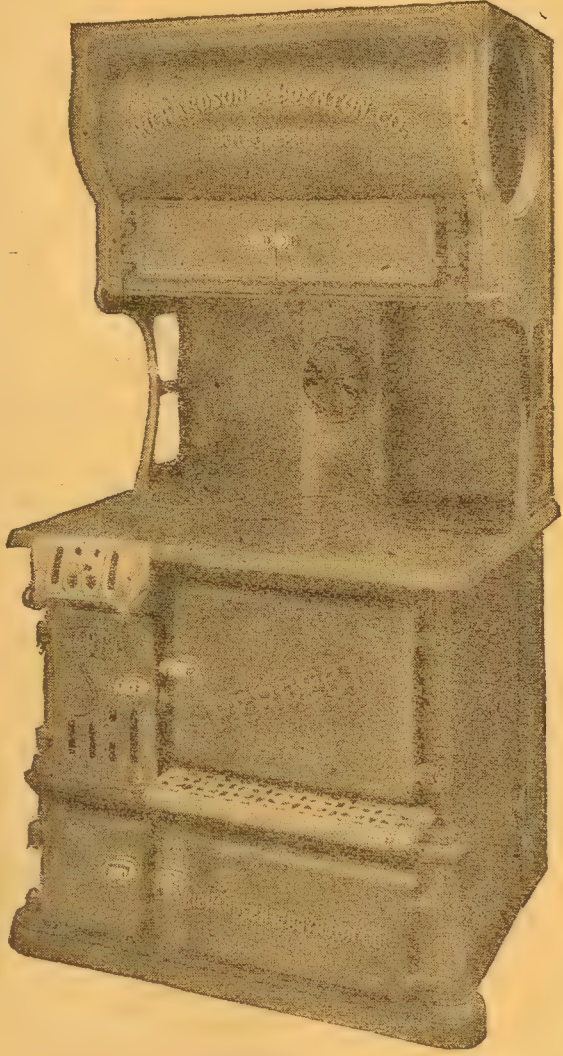
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 25  
June 18, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

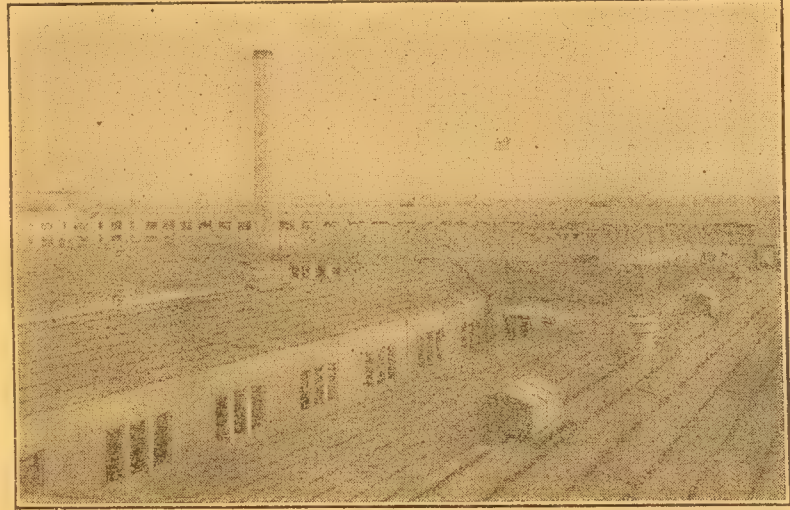
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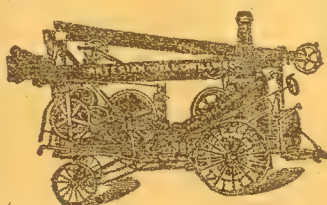
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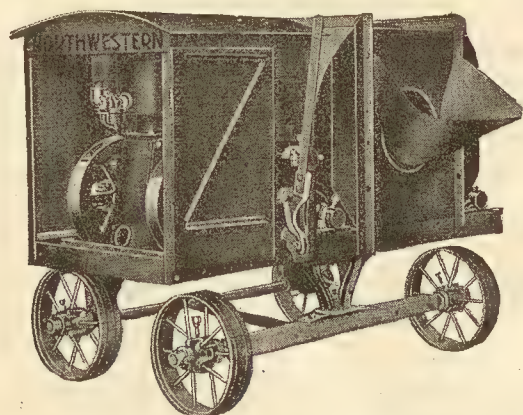
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|                        |         |
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|                  |                    |
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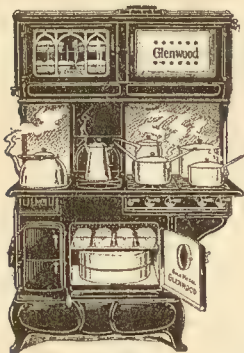
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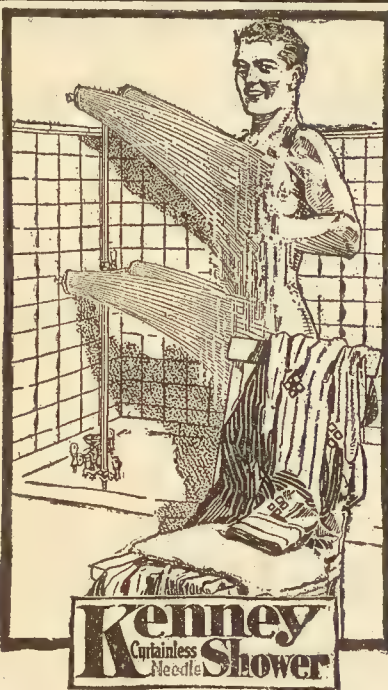


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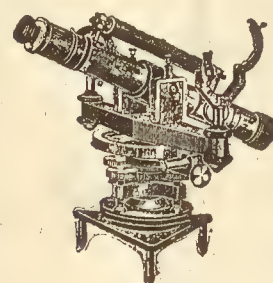
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 25

PHILADELPHIA  
June 18, 1919

## BUILDERS' GUIDE

OFFICES, PERRY BUILDING (Suite 824-825-826)  
Sixteenth and Chestnut Sts., Philadelphia, Pa.

PUBLISHED WEEKLY  
BY

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## As The Editor Sees It



**S**ATISFACTORY progress is being in overcoming war-time problems and establishing normal conditions as regards the management of big buildings was the consensus of opinion at the twelfth annual convention of the National Association of Building Owners and Managers, held last week in Philadelphia. Discussion of apartment houses indicated the great increase in demand for high-class apartments, enormous rentals being paid for such apartments in the large cities.

Any indication of the approach of normal conditions is most welcome, but normal conditions must not be construed to mean pre-war conditions.

Roger W. Babson, Director-General of the Information and Education Service of the Department of Labor, has obtained opinion on this subject from such representative men as T. Ogden Armour, Major-General Goethals, John Hays Hammond and others. Firm conviction is expressed by all that the level of pre-war prices will never again be reached in this country.

"The greatest danger to our economic structure today," said J. Ogden Armour, "arises from the failure of many to recognize a new and higher level of prices based on permanently increased cost of labor, and high taxation."

Major-General Goethals declared that the immediate problem confronting the country was the resumption of business, including, particularly, building construction, manufacturing and mining.

The one pre-eminently outstanding fact, General Goethals said, was that there can be no return either to pre-war condition or pre-war prices.

That prices will not soon drop is the prediction of authorities on all sides. The Federal Reserve Board in its May bulletin says: "The business community has given up the thought that it may profitably await a further considerable reduction in prices and is now contenting itself with the development of trade along lines dependent upon at least the temporary maintenance of existing levels." The review also says that though prices of a few basic commodities have fallen slightly, these declines have not yet been effected in retail prices. "What is now happening," it adds, "seems to indicate that business will, after a period of initial readjustment in prices, proceed upon a level not far removed from that established during the war."

At the solicitation of the Information and Education Service of the United States Department of Labor, J. J. Arnold, Vice-President of the First National Bank of Chicago, has made a statement on "Inflation and Prices," in which he says it is futile for industry to wait for pre-war commodity prices and everything should be done to encourage resumption of peace business, the production of new wealth being absolutely essential for the reduction of costs.

\* \* \*

An interesting letter has been sent to

its customers by the Leader Iron Works, Decatur, Ill., of which T. E. O'Brien is President. It is intended to be a fore-warmer of a possible rise in prices of steel products and predicts an advance during the midsummer months.

The writer takes an optimistic view of the price situation and states that it would be unreasonable to expect steel to go down to pre-war prices while all the machinery, raw material, buildings and everything that has to do with the making of steel is governed largely by the cost of labor which has increased from 125 to 150 per cent. The present average of iron and steel prices is 30 per cent. above the ten-year average prevailing prior to 1914 and the present scale of wages is, as quoted, 125 to 150 per cent. higher than the ten-year average for the same period.

"Farmers," says Mr. O'Brien, "don't want wheat or other farm products to go down, and when analyzed we are not sure but that it is best to keep prices up for a while—keep everything that is bought and sold on a higher price level. Why not? Everyone likes to handle a large sum of money better than a small amount. If a laboring man wants to work an hour for a dozen of eggs and likes it, why not let him do it? If the rich are satisfied to pay a heavy income tax, luxury tax, and a half-dozen other taxes, let them pay. What's the difference? After all, isn't it a fact that conditions, prices and people finally adjust themselves to the times?"

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PRINTS**



The large iron and steel mills of the country are now considering a price advance as will be seen by reference to the financial and business review in the current issue, and not until the rest of the world is again established on a productive basis that will increase the supply of all the necessities of life and reduce the cost of labor can a reduction in the prices of basic materials be expected.

In view of these facts the retail dealer who delays in placing his orders with manufacturers will find himself at a disadvantage. The public has plenty of money and is willing to spend it for good articles, and the man who neglects to make ample provision for big trade will not be able to run his business very long with profit to himself or satisfaction to his customers.—*Manufacturers' News*.

the store and the furniture itself. So it is in every industry, even that of agriculture.

We forget what it means to have an under-built nation of more than a hundred million people. We cannot conceive the fact that for every hundred homes that stand at least one more has to be built before the country's construction program can attain even a normal condition. In peace time, for instance, marriage alone calls for more than 100,000 new homes a year and for almost two years two million men have been too busy with Uncle Sam's affairs to do much more than *think* about getting married. In prosperous times the country erects almost half a million structures a year, but in the last two years, this volume of actual building outside of Government needs has been shrunk to almost nothing, yet people in that time had not given up hope of building. Therefore all that construction will soon or later proceed to actuality because the American people have the money either in the banks or in Liberty Bonds. The American people are richer today than they ever have been and the degree of a man's success is often counted by the fact of whether or not he "owns his own home."

In all your experience have you ever known a time when the subject of housing is as acute as it is at present? It is a subject of every-day discussion everywhere. When there is a known demand for a thing can you recall a time when it was not supplied? What more essential thing is there than shelter? What better financial investment is there than the improvement with a building of a part of the land that Uncle Sam's boys, some of your sons themselves, maybe, went out to protect against a hostile horde?

The whole country looks upon the builder as the peace time soldier, the Marine of Industry because he is the first to show the way—and he's started.

Four years ago a farmer sold 150 hogs to build a home costing \$2900. Recently a neighbor sold the same number of hogs, built a replica of the house and put \$5388 in the bank. This probably is one of the most forcible illustrations of the fact that building materials have advanced less than any other commodities on the American market. Recent figures of the United States Bureau of Labor Statistics show an advance of 57 per cent. in building material, whereas food, clothing, house furnishings, etc., have scored far greater advances. It is time now to build the home. Delay will mean only a higher cost.—*Rocky Mountain News*.

## THE BUILDER AS A BOOSTER

BY ALLEN E. BEALS

The Builder Must Know Why Prices are High and Why Prices are Likely to Advance if he Wishes to Convince his Customers it is Wise to "Build Now"

**B**UILDERS should be in a position to prove to their customers that they need wait no longer. All the investigating has been done that can be done, and we are down to the solid fact that materials are short and the demand is immense.

Builders cannot start things by themselves, as a rule. Those who can—the biggest ones—are going ahead as fast as they can secure the capital, in what ordinarily would be called speculative building—but a sure thing under present and future conditions.

Generally speaking, the builders themselves are not fully convinced of the wisdom of the urge to "Build Now," and consequently make a poor job of convincing their clients—prospective home owners—that there will be no time so good as the present to get that building under way.

It is significant, however, that many builders are building for themselves—which shows that these men are believers and not doubters. They are "bulls" in the market. Those who have purchased lots and own their own homes, are putting up two and four family apartment buildings, and getting ready to move into one of the apartments and rent their present homes, sometimes remodeling these into two apartment or duplex dwellings. These men are practical boosters—"bulls" on the United States.

They give an object lesson to their customers by taking their own medicine.

You cannot lose if you are a "bull" on the United States. That is one of J. Pierpont Morgan's maxims, and it never failed him.

There is no business closer to the verge of unprecedented prosperity than is the building industry today. In fact one foot is already over the line and almost every other business hasn't even started. The causes are at least interesting to follow.

The United States is the world's creditor nation. This means one thing: Industrial Expansion. Before any other business can get fairly started it must have an office and a factory. Almost at the same time it must have adequate railroad facilities. What good is plenty of ships if factories are unable to manufacture goods enough to fill them? The railroads have not been developed during war time to take care of this tremendous world trade so the next important thing is to have enough warehouses to stock the goods awaiting shipment. Changing about of labor has made housing scarce. More houses mean better schools, more churches, bigger institutional buildings. More houses mean more roads and more roads mean the ultimate erection of houses on the land development plan.

What does it mean to be a "Creditor Nation." The simplest explanation is that more than half the money we have spent for the war will be returned to us in the form of investment funds. This money will go into industrial securities, railroads and municipal and national bonds. Wherever it goes its chief use will be diverted to construction of one sort or another at first. It will be used to purchase new machinery. New machinery means larger factories. Larger factories mean more hands to operate the machines and handle the finished products and those employees must be housed, not in any sort of a shanty, but in a better house than they had before the war because they can afford better homes.

Every new house that goes up represents a certain sum spent for finishings. That means that the cabinetmaker and the furniture man will have to enlarge his plant and the wielder of the hammer and the saw and the chisel will find all he can do both inside and outside in building the factory, the office building,



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Residence**, Moreland avenue above Navahoe street, Germantown. Architect, C. A. Ziegler, Stephen Girard Building, Philadelphia. Owner, J. K. Williams, 1420 Pine street, Philadelphia. Stone,  $2\frac{1}{2}$  stories, 32x65 feet, shingle roof, oak floors, hot water heating, electric and gas lighting. Architect will take bids in one week.

**Store and Dwelling**, Seventy-first and Elmwood avenue, Philadelphia. Architect, Henry P. Schneider, 3713 Old York road, Philadelphia. Owner, A. F. Hetzl, on premises. Brick, 2 stories, 18x54 feet, slag roof, stone foundations, hot water heat, electric lighting, cut stone, pine floors. Architect is ready for sub-bids.

**Residences (10)**, Green and Hansberry streets, Germantown. Architect, Henry P. Schneider, 3713 Old York road, Philadelphia. Owner, Samuel T. Hall & Co., Inc., Liberty Building, Philadelphia. Brick, 2 stories, 16x42 feet, (7 garages) individual, slag roof, hardwood floors, hot water heating, electric lighting, tile work, stone foundations. Henry P. Schneider, 3713 Old York road, is figuring.

**House and Garage**, Mt. Airy, Philadelphia. Architects, Custer & Gill, Third and Market streets, Camden, N. J. Owner, name withheld. Stone,  $2\frac{1}{2}$  stories and 1 story, 35x45 feet and 20x50 feet, stone foundations, slate roof, pine and cement floors, hot air heat, electric light. Plans in progress.

**Bank (alt. and add.)**, Third and Arch streets, Philadelphia. Architect, J. T. Brugger, 5610 North Mascher street, Philadelphia. Owner, Union National Bank, care of J. S. McCulloch, President, on premises. Brownstone and brick, 3 stories, 15x40 feet, 18x16 feet, slag roof, stone foundations, electric light, tile and marble work, new vault, air cooling system. Plans in progress.

**Residences (27)**, Wyoming avenue and Roosevelt Boulevard, Philadelphia. Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owners, Oscar J. Gissell & Co., 4826 North Broad street, Philadelphia. Brick, 2 stories (airlite), garages in basement, enclosed porches, slag roof, oak and cement floors, hot water heat, electric light, stone and concrete foundations. Plans completed. Owner will be ready for bids in a week.

**Residences (22)**, Springfield avenue, between Lincoln Drive and Germantown avenue. Architect, private plans. Owner, Judson M. Zane, Land Title Building, Philadelphia. Stone, plaster and brick,  $2\frac{1}{2}$  stories, 25x40 feet, slate roof, oak and pine floors, hot water heat, electric light, tile work, metal lath, iron work. Owner taking bids due June 18th from Wills-Ludwick Co., 1708 Sansom street.

**Building (alt. and add.)**, 1313 Walnut street, Philadelphia. Architect, Charles Barton Keen, 1218 Chestnut street, Philadelphia. Owner, R. A. & G. Barrie, 1313 Walnut street, Philadelphia. Brick and cut stone, 2 stories, oak and maple floors, electric light (heat

reserved), metal lath, tile and marble work, rolled steel skylights, roof ventilators, iron work. Architect has received bids.

**Garage and Apartments (alts.)**, 1414 North Fifteenth streets, Philadelphia. Architect, Frank A. Hahn, 1112 Chestnut street, Philadelphia. Owner, Dr. J. L. Manasses, 1534 North Fifteenth street, Philadelphia. Brick, 2 and 1 stories, 17x44 feet, stone, composition roof, oak floors, electric light, tile work. Architect has received bids.

**Dwellings and Garages (31)**, Fairhill, North of Chew street, \$140,000. Architect, private plans. Owner, M. Chipin, 2627 North Thirty-third street, Philadelphia. Brick, 2 stories, 16x31½ feet, 13x13½ feet, 16x45 feet, 19x45 feet, slag roof, hot water heat, electric lighting. Owner will build.

**Residences (2) and Garages (7)**, Fifty-fourth, Woodbine avenue, Wynnefield avenue and Fifty-sixth street, \$33,000. Architect, private plans. Owner, Daniel Crawford, Jr., 701 North Sixty-third street, Philadelphia. Stone, 3 stories, 28x45 feet, 18x26 feet and 25x47 feet, garages, 1 story, 20x22 feet, (1) 27x27 feet, slag roofs, hot water heating, oak floors, cement work, tile and marble work, electric lighting. Owner will build.

**Dwellings**, Harrison East of Rutland street, \$10,000. Architect, private plans. Owner, Rush Brothers, 1100 Fillmore street, Philadelphia. Brick, 3 stories, 16½x45 feet, slag roof, hot water heat, electric lighting, tile and marble work, oak floors. Owner will build.

**Garages (23) and Office Building**, Fifty-fourth and Whitby avenue, Philadelphia. Architect, Smith & Rovner, 703 Witherspoon Building, Philadelphia. Owner, Harry J. Loeper, Fifty-fourth and Whitby avenue, Philadelphia. Owner has received bids.

**Garage**, Forty-ninth and Market streets, Philadelphia. Architect, LeRoy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, Carl Wolf Miller, 309 Morris Building, Philadelphia. Brick, 1 story, 50x214 feet, slag roof, cement floor, metal lath, stone foundations, steam heat, electric light, rolled steel sash and skylights, fire doors, iron work. Architect has received bids.

**Dwellings (6)**, American and Clarkson avenue, \$27,000. Architect, private plans. Owners, Heinel & Cloak, 4340 North Seventh street, Philadelphia. Brick, 2 stories, 16x44½ feet and 15x30½ feet, 12x14 feet, slag roof, hot water heating, electric light. Owners will build.

**Office Building**, Fifteenth and Cherry streets, Philadelphia. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Friends' Central Bureau, Fifteenth and Race streets, Philadelphia. Brick, 2 stories, stone foundations, slag roof, maple floors, steam heat, electric light, tile and marble work. Architects taking bids due June 23rd. Pomeroy Const. Co., 1609 Ranstead street; Wills-Ludwick Co., 1708 Sansom street;

R. C. Ballinger & Co., 218 North Thirteenth street, and Smith Hardican Co., 1606 Cherry street.

**Residences (alts.)**, 105 West Walnut lane, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, John McArthur Harris, on premises. Brick and stone, 3 stories, concrete foundations, general revonation, mill work, brick work, carpentry, stone work, metal work, hardware, plastering, painting (plumbing, heating, roofing and electric work reserved). Architects have received bids.

**Power House**, Meadow and Mifflin streets, Philadelphia. Architect, private plans. Owners, Niles, Bement, Pond Co., on premises. Brick and concrete, 1 story, 40x60 feet, slag roof, concrete foundations, rolled steel sash, roof ventilators (flooring reserved). Owners have received bids.

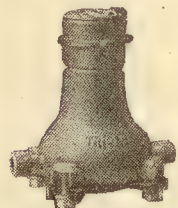
**Candy Kitchen and Alts. to Building**, 3526 Germantown avenue. Architect, William H. Wooters, 816 West Allegheny avenue, Philadelphia. Owner, Martin J. Hesch, on premises. Brick and steel, add. 2 stories, 16x110 feet, slag roof, pine floors, stone foundations, rolled steel skylights, metal ceilings (electric work and heating reserved). Architect taking bids due June 28th. Thomas C. Trafford, 1613 Sansom street; Wills-Ludwick Co., 1708 Sansom street; H. P. Werner & Co., 3243 Germantown avenue; J. Y. Loux, 3731 Old York road, and John Schuster, 3552 North Fifteenth street, are figuring.

**Sales and Service Building**, 3310-12 North Broad street, Philadelphia. Architect, LeRoy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, Charles Kahn, Morris Building, Philadelphia. Brick and concrete, 1 story, 36x90 feet, slag roof, pine and parquet floors, stone foundations, electric lighting, rolled steel sash and skylights, iron work, metal lath. Architect has received bids.

**Penn Treaty Recreation Pier**, No. 57, North Wharves, Philadelphia. Architect, private plans. Owner, City of Philadelphia, Department of Wharves, Docks and Ferries. Timber and steel, 1 story, 50x250 feet, asphalt shingle roof, cement floors, wood pile foundations. Owners taking bids due June 23rd. F. W. Mark Cont. Co., Commonwealth Building, and Warren-Moore Co., Colonial Trust Building, are figuring.

**Power Plant Chimneys (2), Intake Line and Fire Protection System**, Frankford Arsenal, Philadelphia. Architect, private plans. Owner, United States Government, Frankford Arsenal, Philadelphia. Brick and concrete, wood pile foundations, chimney 200 feet high, 12 feet wide. Owners taking bids due June 18th. F. W. Mark Cont. Co., Commercial Trust Building, Philadelphia, is figuring.

**Store and Residence (2), Residences (10)**, Hancock street and Windrim avenue. Architect, Herman H. Kline, 536 Mifflin street, Philadelphia. Owner, Philip Robin, 226 North



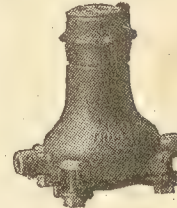
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Fifteenth street, Philadelphia. Brick, 2 stories, 16x64 feet, slag roof, oak floors, stone foundations, hot water heat, electric lighting, tile and marble work, flush bulks. Owner will be ready for sub-bids in two weeks.

**Garage**, Thirty-fourth and Ridge avenue. Architect, Herman H. Kline, 536 Mifflin street, Philadelphia. Owner, Morris Tichon, 2550 North Thirty-third street, Philadelphia. Brick and concrete, 1 story, 67x100 feet, steel trussed slag roof, concrete and stone foundations, hot water heat, electric light, cement floor, hollow tile, hollow metal skylights, flush bulks. Owner will be ready for bids in one week.

**Adams Building (add.)**, Thirty-third and Arch streets. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, Edward M. Harris, 2214 Chestnut street, Philadelphia. Reinforced concrete, steel and brick, 4 stories, slag roof, maple floors, hollow tile, rolled steel sash and skylights, fire and kalamein doors, hollow tile, safety treads, roof ventilators, dampproofing, iron work (heat, electric work reserved). Architects have received bids.

**Warehouse**, 463-65 North Second street, Philadelphia. Architect, Herman H. Kline, 536 Mifflin street, Philadelphia. Owner, H. Halpern, on premises. Brick, 3 stories, 22x50 feet, slag roof, plank floors, (1) electric elevator, steam heat, electric light, stone foundations. Owner will build.

**Dwellings (9)**, Oxford, West of Sixty-first street, \$60,000. Owner, Ernest Beikershoff, 5156 Haverford avenue. Brick, 3 stories, 16½x47 feet, slag roof, hot water heat, electric light, oak floors. Owner will build.

**Store and Warehouse**, 902-04 South Tenth street, Philadelphia. Architect, Henry D. Dagit, 4527 Pine street, Philadelphia. Owner, A. Fiumara, 733 South Ninth street, Philadelphia. Brick and stone, 4 stories, 30x40 feet, slag roof, stone foundations, pine floors, steam heat, electric light, iron work, metal ceilings. Architect taking bids. Melody & Keating, 1322 Race street, and Lam Building Co., 1001 Wood street, are figuring.

**Mill Building**, Butler and Jasper streets, Philadelphia. Architect, M. Ward Easby, Crozer Building, Philadelphia. Owner, Windsor Mfg. Co., 4060 Orchard street, Frankford, Philadelphia. Brick (slow burning construction), 3 stories, 63x240 feet, slag roof, maple floors, stone and concrete foundations, steam heat, electric light, (1) electric elevator, rolled steel skylights, mill work, (2) fire (brick) towers, (1) stair tower. Plans in progress. Architect will take bids in three weeks.

**Factory**, Unity and Oakland streets, Frankford, Philadelphia. Architect, M. Ward Easby, Crozer Building, Philadelphia (consulting engineer). Owners, Vigogne Mills, care of engineer. Brick (slow burning construction), 3 stories, 63x240 feet, slag roof, maple floors, stone and concrete foundations, steam heat, electric light, (1) electric elevator, rolled steel skylights, mill work, (2) brick fire towers. Plans in progress. Architect will take bids in three weeks.

**Storage Building**, River road, North of Parker road, \$120,000. Architect, private plans. Owners, Atlantic Refining Co., 3144 Passyunk avenue. Brick, 3 stories, 94x192 feet, slag roof, cement floor, electric lighting. Owners will build.

**Dwellings (52)**, Fifty-seventh and Windsor streets, Philadelphia, \$183,000. Architect, private plans. Owner, James C. Emberg, 5200 Wynnefield avenue. Brick, 2 stories, 16x34 feet and 16x32 feet, slag roof, hot water heat. Owner will build.

**Residence**, Roxborough, Pa. Architect, H. G. McMurtrie, 1012 Walnut street, Philadelphia. Owner, name withheld. Stone, 2½ sto-

ries, 28x42 feet, tile roof, oak floors, hot water heat, electric light, tile work. Architect will be ready for bids in a week.

**Store, Office and Show Room**, Market street, Philadelphia. Architects, William Steele & Sons Co., Sixteenth and Parkway, Philadelphia. Owners, Sherritt & Stoer Co., Inc., Finance Building, Philadelphia. Plans in progress.

**Garage**, 2041-55 North Marshall street, Philadelphia. Owner, Whittaker Bros., 2035 North Marshall street, Philadelphia. Site purchased. Work contemplated.

**Dwellings (45)**, Lambert street and Stenton avenue, \$180,000. Architect, E. Allen Wilson, 1208 Chestnut street. Owner, William O. Mahon, 6752 Old York road, Philadelphia. Brick, 2 stories, 15 feet 5 inches x 28½ feet, 12 feet 5 inches x 12 feet, hot water heating. Owner will build.

**Lodge Building (alt.)**, 1314 North Broad street, Philadelphia, \$6,000. Architect, Carl P. Berger, 1410 South Penn Square, Philadelphia. Owner, L. O. O. M., No. 54, John J. Ryan, secretary, 1314 North Broad street. Interior alterations, new toilet facilities, ventilating, etc., steam heat, electric work, tile and marble work. Architect taking bids due June 20th. E. F. Bahls, 1702 North Thirteenth street; Wills-Ludwick Co., 1708 Sansom street; E. J. Kreitzburg, 1345 Arch street; A. L. Fretz & Son, Heed Building, and Hogg Construction Co., Denckla Building, are figuring.

**Theatre Building**, Western part of Pennsylvania. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, name withheld. Brick, 2 stories, 50x200 feet, slag roof, composition floors, stone foundations, steam heat, electric light, tile, marble and terrazzo work, ventilating system (1,000 seating capacity). Sketches in progress.

**Bungalows (12)**, South side of Arrott street, between Horrocks and Large streets. Architect, Henry L. Reinhold, Jr., 1309 Walnut street, Philadelphia. Owner, Thomas Duff, 4666 Wyoming avenue, Frankford. Frame, 1½ stories, 29x44 feet, asbestos shingle roof, pine floors, stone foundations, hot water heat, electric lighting, plumbing. Plans completed. Owner ready for sub-bids.

**Home (alts. and Adds.)**, Forty-ninth and Wyalusing avenue, Philadelphia. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owners, St. John's R. C. Home, Forty-ninth and Wyalusing avenue, Philadelphia. Reconstruction of School Building and Dormitory and new Administration Building. Brick, plumbing, electric light, steam heating. Plans in progress. Architect will be ready for bids in one week.

**Stores (7)**, Frankford avenue and Sellers street, Philadelphia. Architects, Greisler Abramson Co., Lafayette Building, Philadelphia. Owner, Harry Rosen, care of L. Rosen & Son, 2975 Frankford avenue. Brick, 1 story, 15x39 feet, slag roof, stone foundations, pine floors, electric light. Plans in progress.

**Apartment House**, Central Philadelphia. Architect, Frederick Webber, Morris Building, Philadelphia. Owner's name withheld. Brick and stone, fireproof, 16 stories, cement floors, steam heat, electric light, tile and marble work, hollow tile, elevators. Plans in

progress.

**Store and Apartment House**, southwest corner of Sixty-third and Lansdowne avenue. Architect, Reuben Beard, 1328 Real Estate Trust Building, Philadelphia. Owner's name withheld. Tapestry brick, 3 stories and basement, 30x125 feet, slag roof, oak floors, cut stone, Spanish tile work, hot water heat, electric light, mosaic tile work, flush bulks, stone foundations, galvanized iron bays, iceless refrigerators, vacuum cleaning system, garbage shutes. Architect will be ready for bids in two weeks.

**Dwellings (4)**, 8425-31 Eastwick avenue, Philadelphia, \$14,000. Owner, Harry Sobel, Eighty-fourth and Eastwick avenue, Philadelphia. Brick, 2 stories, 16x48 feet, slag roof, hot air heating. Owner will build.

**Garage**, 735 Kater street, Philadelphia. Architect, Reuben Beard, Real Estate Trust Building, Philadelphia. Owner's name withheld. Brick, 1 story, 20x60 feet, slag roof, cement floors, electric light, stone floors. Architect will take bids in one week.

**Pattern Shop**, Navy Yard, Philadelphia, Spec. 3478. Architect, private plans. Owner, Bureau of Yards and Docks, Navy Department, Washington, D. C. Concrete and steel, 3 stories, 105x203 feet, built up and slag roof, concrete and pine floors, concrete and timber foundations, steam heat, electric light, rolled steel sash, rolled steel doors and sash, roof ventilators. Owners taking bids, due June 25. Deposit \$20. Hughes-Foulkrod Co., Commonwealth Building; Warren-Moore Co., Colonial Trust Building; Wm. Linker Co., 831 Cherry street; Thomas Reilly, 1616 Thompson street; Cramp & Co., Denckla Building; Wm. R. Dougherty, 1610 Sansom street; F. W. Mark Cont. Co., Finance Building; M. H. McCloskey, Jr., 1620 Thompson street; George F. Pawling Co., 1432 South Penn Square, are figuring.

**Store and Apartments**, northeast corner of Fifty-second and Girard avenue, Philadelphia. Architects, Greisler Abramson Co., Inc., Lafayette Building, Philadelphia. Owner, Harry Lieberman, Colonial Trust Building, Philadelphia. Brick, 3 stories, 21x90 feet, slag roof, stone foundations, hot water heat, electric light, tile work. Architect taking bids, due June 26th at 9 A. M. E. E. Hollenback, 1804 Brandywine street; H. E. Baton, 1713 Sansom street; B. Bornstein, 1510 North Franklin street; A. R. Raff Cont. Co., 1635 Thompson street; W. C. Springer, 1624 Latimer street; J. Gorchov, 4116 Girard avenue; Jacob Feldman, 5016 Parkside avenue, and F. A. Havens, 845 North Nineteenth street, Philadelphia, are figuring.

**Residence and Garage (7 cars)**, Knox street and Queen Lane, Philadelphia. Architect, Charles W. Gilmore, Godfrey and G streets, Olney, Philadelphia. Owner's name withheld. Brick and plaster, 3 and 2 stories. Residence 16x52 feet, Garage 22x60 feet, stone foundations, oak and cement floors, electric light, metal lath, tile work, iron work (roofing, heating, lighting fixtures reserved). Architect taking revised bids, due June 25th. A. L. Fretz & Son, Heed Building; Fred Eltinge & Son, 5522 Germantown avenue; I. A. Dunkelberger, 71 East Herman street, are figuring.

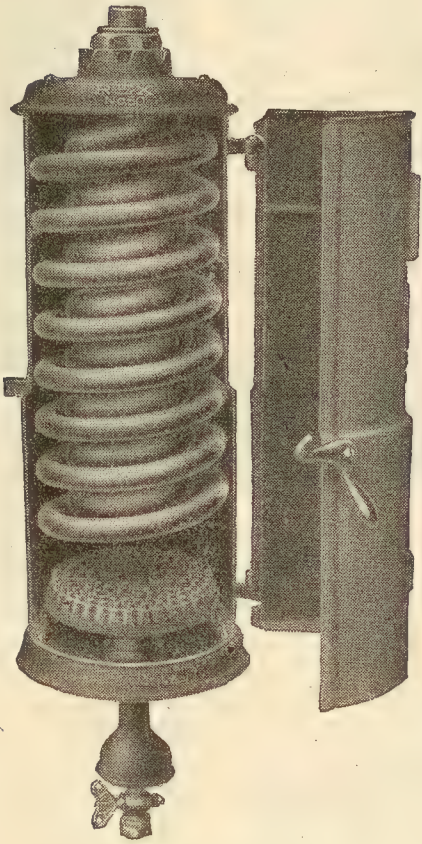
## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Garage**, 3116 West Penn street, \$1,000. Architect, private plans. Owner, L. P. Giger, on premises. Hollow tile, 1 story, slate roof, cement floors, stone foundations, hot water



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heat, electric lighting. Contract awarded to Albert Zellfelder, 151 South Broad street, Philadelphia.

**Store (alts.),** Sixteenth and Chestnut streets, Philadelphia, \$38,000. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, Estate of Edw. Perry, Sixteenth and Chestnut streets, Philadelphia. Brick, concrete and terra cotta, cement floors, tile work, iron work, painting, new partitions, toilets. Contract awarded to F. W. Van Loon, Denckla Building, Philadelphia.

**Factory (alts. and add.),** Chancellor and Hutchinson streets, \$15,000. Architects, Dodge & Morrison, 135 South Front street, New York City. Owners, O. J. Maigne Co., 1017 Sansom street, Philadelphia. Brick and cut stone, 3 stories, 45x86 feet, slag roof, concrete and maple floors, concrete foundations, skylights, roof ventilators, metal ceilings, steel and ornamental iron work. Contract awarded to William Linker Co., 831 Cherry street.

**Store Building (alts.),** 931-37 Market street, \$200,000. Architect, H. B. Weldon, 10 South Eighteenth street, Philadelphia. Owner, S. S. Kresge Co., 50 Union Square, New York City. General alterations, terrazzo floors, elevators, plastering, wire glass partitions, flush bulks, electric lighting, heating extension, skylights, roof ventilators. Contract awarded to George A. Fuller Co., Widener Building, Philadelphia.

**Dwelling,** Arbutus street, South of Philadelphia street, \$11,500. Owner, John L. Thomas, C and Ontario streets, Philadelphia. Stone, 3 stories, 30x40 feet, asbestos shingle roof, hot water heat, electric lighting, tile and marble work. Contract awarded to Stewart Bros., 2525 North Orkney street.

**Stores (2) (alts.),** 1514-16 Market street,



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Philadelphia, \$3,000. Architect, private plans. Owner, David Becker, on premises. General alterations, new fronts. Contract awarded to Smith-Hardican Co., 1606 Cherry street.

**Building (add.),** 2507 East Cumberland street, \$4,000. Architect, private plans. Owner, Empire Galvanizing Co., on premises. Brick, 1 story, 48x75 feet, slag roof. Contract awarded to Steward & Stevens, Inc., 1726 North Nineteenth street.

**Factory Building (alts. and add.),** Third and Ontario streets, \$14,000. Architects, Balingier & Perrot, Seventeenth and Arch streets. Owners, Liggett Myers Tobacco Co., on premises. Brick, 5 stories, tower, toilets and tank. Contract awarded to Austin Co., Bulletin Building, Philadelphia.

**Garage,** 504 West Lindley avenue, Philadelphia, \$4,700. Architect, private plans. Owner, W. J. Trasch, 506 West Lindley avenue, Philadelphia. Brick, 1 story, 18x105 feet, 20x20 feet, slag roof, cement floors. Contract awarded to Burkelbach Co., 4008 Richmond street.

**Residence,** Fifty-fourth and Sherwood road, Philadelphia. Architect, Frank Seeburger, Weightman Building, Philadelphia. Owner, Clayton M. Hunsicker, 469 State road, Wynnefield, Philadelphia. Stone, 2½ stories, 27x54 feet, slate roof, oak floors, vapor heat, electric light, tile work (lighting fixtures reserved). Contract awarded to John R. Kearney, 34 South Seventeenth street, Philadelphia.

**Dwelling (alts.),** Southeast Corner Thirty-second and Race streets, \$4,000. Architect, Charles W. Bolton & Son, Witherspoon Building, Philadelphia. Owner, Mrs. Sweet, on premises. Alterations, changing residence into 6 apartments, oak floors, partitions, mill work. Contract awarded to Potts Bros. &

Cooperson, 129 North Eleventh street.

**Residence and Garage,** 157 Pelham road, Philadelphia, \$16,000. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owner, Edw. G. Budd, 157 Pelham road, Philadelphia. Plaster, 3 stories and 1 story, 46x15 feet and 20x10 feet, stone foundations, asbestos shingle roof, oak floors, hot water heat, electric light, tile and marble work, iron work. Contract awarded to H. H. Burrell, 206 South Quince street.

**Garage,** Seventieth and Cheltenham avenue, Philadelphia, \$4,000. Architect, private plans. Owner, W. M. Caskey, on premises. Stone, 2 stories, 26x30 feet. Contract awarded to W. J. Grühler Co., 219 High street, Germantown.

**Store and Dwelling (alts.),** 1204-06 Girard avenue, \$2,900. Architect, private plans. Owner, H. B. C. Furniture Co., 1204 Girard avenue, Philadelphia. Flush bulks and general interior alterations. Contract awarded to J. D. Fisher, 5426 Thompson street.

**Garage,** 917 North Broad street, Philadelphia, \$20,000. Architect, private plans. Owner, Louis J. Kolb, School lane and Germantown avenue, Philadelphia. Brick and terra cotta, 1 story, 40x45 feet, 40x15 feet, 40x100 feet, stone foundations, slag roof, cement and tile floors, steam heat, electric light, tile work. Contract awarded to Potts Bros. & Cooperson, 129 North Eleventh street.

**Dwelling (add.),** 1202 Harrison street, \$3,500. Architect, private plans. Owner, Chas. E. Frick, on premises. Frame, second story, 16x8 feet, third story 16x25 feet. Contract awarded to George Rimer, 4842 Hawthorne street.

**Dwelling,** Kitchen Lane, west of Wissahickon avenue, \$6,000. Architect, private plans. Owner, W. R. Eisenhower, on prem-



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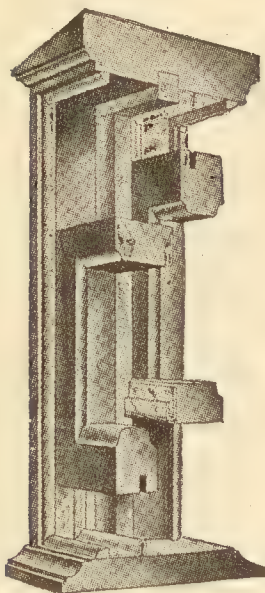
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ises. General fire repairs. Contract awarded to W. John Stevens, Inc., Wyncote, Pa.

Moving Picture Theatre, Edgemont street, north of Orthodox street, \$10,000. Architect,

private plans. Owner, Anton Vszlusi, 4425 Salmon street, Philadelphia. Brick, 1 story, 35x105 feet. Contract awarded to Lewis Ahlers, 4433 Salmon street, Philadelphia.

## PENNSYLVANIA Construction News

Primary School (add.), Wayne, Pa. Architects, D. K. Boyd, V. Abel and F. Gugert, Otis Building, Philadelphia. Owner, School District of Radnor Township, care of Dr. Joseph C. Egbert, Chairman, Building Committee, Wayne, Pa., Walter S. Mertz, Secretary, Wayne, Pa. Brick, granite and concrete, 2 stories and basement, (2) wings, 35x47 feet, slate roof, stone foundations, steam heat, electric light slate blackboards, maple floors. Lowest bidder, J. D. Lengel, Wayne, Pa.

Grammar School (alts.), Wayne, Pa. Architects, D. K. Boyd, V. Abel and F. Gugert, Otis Building, Philadelphia. Owner, School District of Radnor Township, Wayne, Pa. General interior alterations, new stairway, plumbing, heating, etc., steam heat, slate blackboards. Lowest bidder, Monaghan & Losse, Inc., 3016 Chestnut street, Philadelphia.

Parish Building, Highland Park, Pa. Architect, George I. Lovatt, 518 Walnut street, Philadelphia. Owners, St. Lawrence Roman Catholic Church, Rev. M. J. Cowl, Highland Park. Stone and brick and steel, 2 stories, 36x36 feet, and 1 story, 52x145 feet, (2) wings, 24x36 feet, slate roof, pine and hemlock floors, tile and terrazzo work, metal window guards, stone foundations, iron work. Architect has received bids.

Residence (alt. and add.), Bryn Mawr, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, J. Emott Caldwell, care of Caldwell Co., Widener Building, Philadelphia. Stone and frame, 2½ stories, 20x30 feet, 16x50 feet, slate roof, oak floors, stone foundations, steam heat (electric light reserved), tile and marble work. Architect has received bids.

Theatre Building, Allentown, Pa. Architects, Hoffman Henon, Inc., Finance Building, Philadelphia. Owners, Wilmer & Vin-

cent Theatre Co., 33 West Forty-second street, New York City. Brick, 3 stories, 120x150 feet, slag roof, pine floors, metal lath, stone foundations, hot water heat, electric light, tile and marble and terrazzo work. Architects taking bids due June 18th at noon. George H. Hardner, Ochs Const. Co., Kratz & Son, Ritter & Smith, Butz & Clader, all of Allentown, Pa.; Ketcham & McQuade, 1029 Brown street, and Cramp & Co., Denckla Building, Philadelphia; Stuart-Wiley Co., 1123 Broadway, N. Y.; Warren Moore Co., Colonial Trust Building, Philadelphia, are figuring.

Motion Picture Theatre (remodeling), Harrisburg, Pa. Architects, Hoffman Henon, Inc., Finance Building, Philadelphia. Owner, P. Magara, care of Regent Theatre, Harrisburg, Pa. Brick, steel and terra cotta, 2 stories, 60x210 feet, slag roof, steam heat, electric light, tile, marble and terrazzo work, hollow metal sash and skylights, fire doors, pine and cement floors, metal lath, roof ventilators. Owner taking approximate bid due June 21st from Ketcham & McQuade, 1029 Brown street, Philadelphia.

School, Borough of Miners Mills, Pa. Architect, Austin L. Reilly, Bennett Building, Wilkes-Barre, Pa. Owner, Miners Mills Borough School District, Miners Mills, Pa. Brick, 2 stories, 106 feet 8 inches x 73 feet 10 inches, asphalt gravel roof, pine and concrete floors, electric light, marble work, rolled steel skylights, cement and concrete work. Architect taking bids due June 24th. W. L. Roth, E. J. Donahue, Wilson J. Snell, J. A. Snell Sons, A. M. Hildebrand, Wilkes-Barre; Nantioke Const. Co., Nantioke, Pa., and Moses Grif-fett, Planes, Pa., are figuring.

Hog Barn, Retreat, Pa. Architect, Austin Reilly, Bennett Building, Wilkes-Barre, Pa.

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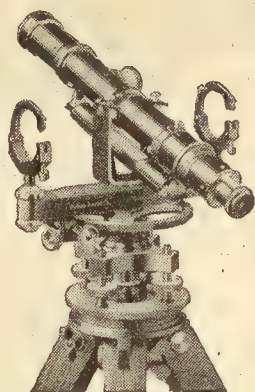
Owner, Central Poor District, Wilkes-Barre, Pa. Glazed tile, 1 story, 297x27 feet, concrete foundations, asbestos roof, concrete floors, barn equipment (plumbing and electric work reserved). Architect taking bids due June 19th. W. J. Smith, W. M. Smith & Co., M. L. Roth, A. Thomas, J. A. Smith & Son, A. M. Hildebrand, Wilkes-Barre, Pa.; Nantioke Const. Co., Nantioke, Pa., and Moses Griffet, Planes, Pa., figuring.

**Church**, Plymouth, Pa., \$60,000. Architect, Morris & McHale, Burr Building, Scranton, Pa. Owner St. Mary's Church, Rev. S. A. Dreir, on premises. Fireproof, 1 story and basement, 50x125 feet, asbestos roof, fireproof floors, vapor vacuum heat, electric light, marble and terrazzo work, metal lath. Architect has received bids.

**Residences (32)**, Norristown, Pa. Architect, H. G. McMurtrie, 1012 Walnut street, Philadelphia. Owner, Norris Pattern & Machine Co., Norristown, Pa. Brick, 2½ stories, 16x40 feet, 16x45 feet, 16x50 feet, slate and slag roof, pine floors, hot water heat, electric light. Owners taking sub-bids.

**Bungalow**, Springfield Manor, Delaware County, Pa. Architects, Druckenmiller & Williams, 1537 Chestnut street, Philadelphia. Owner, J. P. Thompson, Real Estate Trust Building, Philadelphia. Hollow tile and stucco, 1½ stories, 34x44 feet, shingle roof, hardwood floors, hot air heat, electric light. Owner taking sub-bids.

**Residence**, Ridley Park, Pa. Architects, Seeburger & Rabenold, Weightman Building, Philadelphia. Owner, T. P. Ward, Ridley Park, Pa. Stone, 2 stories, 44x25 feet, wing 14x20 feet, slate roof, pine floors, metal lath, tile work, iron work, stone foundations (heating, plumbing and electric work reserved). Architects taking bids due June 20th. Wills-Ludwick Co., 1708 Sansom street; Pomeroy



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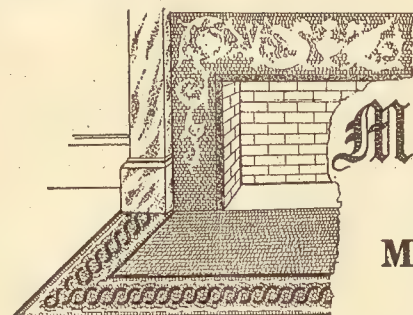
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Const. Co., 1609 Ranstead street; J. E. Kearney, 34 South Seventeenth street; William Provost, Jr., Chester, Pa., and J. Howard Roberts, Lansdowne, Pa., are figuring.

**Residence**, Rydal, Pa. Architect, C. L. Borie, 112 South Fifteenth street, Philadelphia. Owner, Mrs. C. L. Borie, care of architect. Frame or stone, 2 stories, 30x24 feet, wing 15x20 feet, electric light, warm air heat, stone foundations, tin roof, pine floors. Architect taking bids due June 23rd. H. H. Burrell, 206 South Quince street; W. John Stevens, Inc., Wyncote, Pa.; F. W. Carman, Jenkintown, Pa.; Joseph Ashby, Second Street pike, Fox Chase, Pa.; W. D. Lukens, North Wales, Pa., and Specht & Sperry, Heed Building, Philadelphia, are figuring.

**Residence**, Drexel Hill, Pa. Architects, Seeburger & Rabenold, Weightman Building, Philadelphia. Owner, name withheld. Frame, 2 stories, 25x40 feet, shingle roof, stone foundations, hot water heat, electric light, tile work (electric work, hardware and flooring reserved). Architects ready for bids.

**Apartment and Garage**, South Washington avenue, Scranton, Pa. Architect, L. J. Reisman, Miller Building, Scranton, Pa. Owner, M. Wintz, 520 South Washington street, Scranton, Pa. Brick, 3 stories, 54x42 feet, stone foundations, slag roof, hardwood floors, steam heat, electric and gas light. Owner will take bids.

**Cottage and Stable**, Elkins Park, Pa. Architects, Bissell & Sinkler, Otis Building, Philadelphia. Owner, Mrs. Wharton Sinkler, Elkins Park, Pa. Terra cotta, tile and stucco, 2 and 1 stories, 22x26 feet, 14x36 feet, 24x60 feet, shingle roof, cork, brick and pine floors, stone foundations, iron work (heating, electric work reserved). Architects have received bids.

**Residence**, Abington, Pa. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, name withheld. Stone, 2½ stories, 30x65 feet, slate roof, oak floors, stone foundations, hot water heat, electric light, tile

and marble work. Plans in progress. Architect will take bids in three weeks.

**School**, Springfield, Pa., \$75,000. Architect, Newton Flounders, Media, Pa. Owner, School Board of Springfield Township, S. B. Chambers, Commercial Trust Building, Philadelphia. Stone, 2 stories (8 rooms), 89x68 feet, slag roof, pine floors, stone and concrete foundations, hot air heat. Plans in progress. Owner will take bids about July 10th.

**Bungalow**, Drexel Hill, Pa. Architect, private plans. Owner, Fred Ford, Finance Building, Philadelphia. Frame and plaster, 1 story, 25x32 feet, slate or shingle roof, pine floors, hot water heat, electric light. Owners taking bids due June 18th. Bowden Const. Co., 1713 Sansom street (only bidder).

**Residence**, Drexel Hill, Pa. Architect, private plans. Owner, G. W. Watson, Drexel Hill, Pa. Stone and stucco, 2 stories, 26x40 feet, slate roof, pine floors, stone foundations, hot water heat, electric light, tile work. Owner has received bids.

**School**, Tamaqua, Pa., \$200,000. Architect, not yet selected. Owner, Tamaqua Borough, Tamaqua, Pa. Work contemplated.

**Parochial School**, Pittston, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Roman Catholic School, Pittston, Pa. Brick, fireproof, 2 stories and basement, gymnasium, swimming pool and auditorium, electric lighting. Plans in progress.

**Store**, Hazelton, Pa., \$25,000. Architect, George Schroeder, Weizenkorn Building, Wilkes-Barre, Pa. Owner, name withheld. Brick, 4 stories, 75x100 feet, slag roof, tile and yellow pine floors, steam heat, electric light. Plans in progress.

**Warehouse**, (add.), Penn avenue, Scranton, Pa. Architects, Morris & McHale, Burr Building, Scranton, Pa. Owner, W. H. Coon Co., on premises. Brick, 1 story, 30x40 feet, slag roof, hardwood floors, steam heat, electric light, hollow metal skylights. Owner has received bids.

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**Residence, Jenkintown, Pa.** Architect, Edgar A. Wightman, 1602 North Fifteenth street, Philadelphia. Owner, Samuel C. Edmonds, Jenkintown, Pa. Stone, 2 stories, 33x37 feet, wing 18x22 feet, slag roof, oak and pine floors, stone foundations, electric light, tile and marble work (heat reserved), iron work. Architect has received bids.

**Theatre, Hotel and Stores, Coatesville, Pa.** Architects, Stuckert & Co., Crozer Building, Philadelphia. Owner, W. F. B. Boogar, Coatesville, Pa. Brick, fireproof construction, 1 story, hotel 3 stories, brick, slow burning, irregular size, approximately 100x200 feet, slag roof, cement floors, hollow tile, metal lath, roof ventilators, ornamental iron work, steam heat, electric light, stone foundations, tile and marble work, mill work, hollow metal sash and skylights, fire doors, metal bulks, dampproofing, fire doors. Architect is ready for sub-bids, due June 28th.

**Office Building, Shenandoah, Pa.** Architect, P. A. Kley, Shenandoah, Pa. Owners, Shenandoah Abattoir Co., Shenandoah, Pa. Brick and steel, 3 stories, 14x32 feet, slag roof, maple floors, metal lath, stone foundations (heating and light reserved). Architect taking bids, due June 18th. F. G. Stewart Co., 1619 Sansom street, is figuring.

**School (alts. and add.), East Lansdowne, Pa.** Architect, Wm. W. Cochran, East Lansdowne, Pa. Owners, School Board of East Lansdowne, care of Thos. H. Wood, care of J. F. Wood, Fernwood, Pa. Stone, 2 stories (4 rooms), shingle roof, stone foundations, steam heat, electric light, wood floors. Plans in progress. Owners will take bids in a few days.

**Bakery, Allentown, Pa., \$30,000.** Architect, Thomas H. Hamilton, Patriot Building, Harrisburg, Pa. Owner's name withheld. Brick, concrete and steel, 2 stories, 66x84 feet. Plans in progress.

**House (alts. and add.), St. Leonard's, Pa.** Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owner's name withheld. Stone and frame, 2 and 1 stories, 34x34 feet, 16x16 feet, asbestos shingle roof, hardwood floors, electric light, tile work, general interior alterations. Plans in progress.

**Dwellings (2), north side Grange avenue, west of Fourth street, Philadelphia, \$8,000.** Architect, private plans. Owner, George R. Dewees, 5624 North Third street, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, hot water heat. Owner will build.

**Residence and Garage, Bryn Athyn, Pa.** Architects, Walker & Caldwell, Bryn Athyn, Pa. Owner, Paul Synnestvedt, Bryn Athyn, Pa. Stone, 3 stories, 36x58 feet, wing 18x34 feet, garage, 2 stories, 24x38 feet, shingle roof, oak floors, stone foundations, electric light, tile work (heating reserved), iron work. Architect taking bids, due June 21st. Pringle Northwick, 8018 Germantown avenue, is figuring.

**Theatre and Hotel, Market street, Chester, Pa.** Architects, Hoffman & Henon, Inc., Finance Building, Philadelphia. Owner, Edward Margolin, Washington Hotel, Chester, Pa. Plans in progress. Too early for details.

## PENNSYLVANIA

### Contracts Awarded

**Barker Building (alts.), Lansdowne, Pa.** Architect, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Lansdowne National Bank, Lansdowne, Pa. General alterations (exterior). Contract awarded to J. Howard Roberts, Lansdowne, Pa.

**Store Front, Spruce street, Scranton, Pa.** Architect, L. J. Reisman, Miller Building, Scranton, Pa. Owner, Endicott Shoe Co., Binghamton, N. Y. Plate glass, tile and copper work. Contract awarded to John Perkes, Scranton, Pa.

**Store and Apartment, Breslan, Pa.** Architect, George Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, name withheld. Frame and stucco, 2 stories, 35x75 feet, shingle roof, pine floors, steam heat, electric light. Contract awarded to A. Hildebrand, Wilkes-Barre, Pa.

**Residence (add. and alt.), \$15,00, Dalton, Pa.** Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, J. J. Casey, on premises. Frame, 3 stories, 40x60 feet, colored slate roof, parquet and concrete floors, fire places, tile and marble work, porch, papering, painting and decorating. Contract awarded to Alimo Bros., Pittston, Pa.

**School (alt.), Newport Township, Pa.** Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owner, Newport Township School District, Wilkes-Barre, Pa. Retaining walls, concrete sidewalks, iron work. Contract awarded to Nantioke Const. Co., Nantioke, Pa.

**Barn and Stable, Ambler, Pa., \$25,000.**

Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Gilliland Laboratories, Inc., Ambler, Pa. Hollow tile, 2 stories, 80x143 feet, slate roof, cement and cork floors, concrete foundations, steam heat (electric light reserved), hollow tile, metal lath, roof ventilators, iron work. Contract awarded to Howard S. Amey, Ambler, Pa.

**Residence (alts.) to Apartment House, Lansdowne, Pa.** Architect, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, James Breen, Lansdowne, Pa. Brick, general interior and exterior alterations, electric lighting, brick work (heating reserved). Contract awarded to F. B. Davis, 240 North Sixteenth street, Philadelphia.

**Bank (alts. and add.), Tamaqua, Pa.** Architect, Benjamin R. Stevens, 1737 Filbert street, Philadelphia. Owner, First National Bank, Tamaqua, Pa. Brick, 1 story add. 50x63 feet, 26 feet high, slag roof, marble floors, electric light, tile and marble work, new vault, bank fixtures. Contract awarded to Andrew Breslin, Summit Hill, Pa.

**T. N. T. Plant, Fort Mifflin, a., Spec. 3866, \$173,298.** Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Navy Department, Washington. Stucco, concrete foundation, twelve 1-story buildings, corrugated galvanized or asbestos protected metal roof, concrete floors, hollow tile, metal lath, roof ventilators, screens, vacuum heat, electric light, rolled steel sash, steel and iron work. Contract awarded to George F. Pawling Co., 1432 South Penn Square, Philadelphia, 210 days.

## NEW JERSEY

### Construction News

**Dwellings and Garages (8), Seventh and Erie and Bailey streets, Camden, N. J.** Architect, private plans. Owner, Wood Mfg. Co., Seventh and Erie avenue, Camden, N. J. Brick, 2 stories, 16x42 feet, garage 11x19 feet, slag roof, pine floors, stone foundations, hot water heat, electric light, rolled steel skylights, iron work. Barclay White & Co., 1713 Sansom street, is taking sub-bids due as soon as possible.

**School, Mizpah, N. J.** Architect, W. B. Riebenack Co., Guardian Trust Building, Atlantic City. Owner, Board of Education, Hamilton Township, N. J. Brick and terra cotta, 1 story, 33x64 feet, concrete foundations, slate roof, pine floors, hot air heat. Plans in progress. Board will advertise for bids in one week.

**School, Monroeville, N. J.** Architect, Mof-

fett & Truscott, 30 North Third street, Camden, N. J. Owner, School Board of Monroeville, N. J. Tile and stucco, 96x48 feet, 40x34 feet, asbestos roof, maple floors, gravity heat. Sealed proposals will be received at Town Hall, Pole Tavern, N. J., June 24th. Deposit of \$15.00 required for plans and specifications. Certified check and bond of \$10,000.

**Service Station (add.), Boston and Atlantic avenues, Atlantic City, N. J.** Architect, J. R. Ogden, 143 South Carolina avenue, Atlantic City, N. J. Owner, Service Station Corp., Atlantic City, N. J. Brick, plate glass and concrete, 2 stories, 40x40 feet, slag roof, cement and wood floors, electric light, gasoline storage system. Owners building. Will take sub-bids.

**Moving Picture Theatre, 1500 Mt. Ephraim avenue, Camden, N. J.** Architect, private



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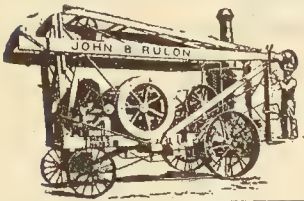
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plans. Owner, Frederick & Mockler, Sixth and Liberty streets, Camden, N. J. Brick, 2 stories, 65x90 feet, stone foundations, slag roof, pipeless heat, electric light, tile and marble work, hollow metal skylights, roof ventilators. Mockett Const. Co., Camden, N. J., is estimating.

**Store (add.)**, Broadway and Pine street, Camden, N. J. Architect, Thomas Stephens, Temple Building, Camden, N. J. Owner, Hurley Store, Broadway and Pine streets, Camden, N. J. Brick, 3 stories, 50x57 feet, stone foundations, slag roof, maple floors, electric light, steel beams and columns (heating reserved). Architect ready for revised bids.

**Hotel and Residence (alt. and add.)**, 129 State avenue, Atlantic City, N. J. Architect, J. R. Ogden, 143 South Carolina avenue, Atlantic City, N. J. Owner, George T. Lippincott, Atlantic City, N. J. Frame, concrete and asbestos, 3 and 1 stories, 25x55 feet, asbestos and tin roof, hardwood floors, hot water heat, electric light, tile and marble work. Architect taking bids due June 21st. J. Mathis & Son, Sam. Hadley, Sam. Taylor, P. G. Hannum, Atlantic City, are figuring.

**Houses (3)**, East Camden, N. J. Architects, Custer & Gill, Third and Market streets, Camden, N. J. Owner, D. B. Reading, care of architect. Frame, 1 story, 22x45 feet, asbestos roof, pine floors, pipeless heat, electric light. Plans in progress.

**Bungalow**, Salem, N. J. Architects, Custer & Gill, Third and Market streets, Camden, N. J. Owner, name withheld. Hollow tile, 1 story, 32x48 feet, shingle roof, hardwood floors, hot water heat, electric light. Plans in progress.

**Bungalow**, Bridgeton, N. J. Architects, Custer & Gill, Third and Market streets, Camden, N. J. Owner, name withheld. Frame, 1 story, 24x35 feet, shingle roof, hardwood floors, pipeless heater, electric light. Plans in progress.

**Bungalow**, Ventnor, N. J. Architect, W. S. Hemel, Guardian Trust Building, Atlantic City, N. J. Owner, J. G. Gibson, 402 North Ohio avenue, Atlantic City, N. J. Frame and stucco, 2 stories, 60x32 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress. Owner will take bids in a week.

**Jail and Warden's House**, Toms River, N. J. Architect, T. Stephens, Temple Building, Camden, N. J. Owner, Ocean County Board of Toms River, N. J. Stone and stucco, and hollow tile, house 2½ stories, jail 2 stories, 28x40 feet and 35x36 feet, slag roof, hardwood floors, electric light, steel cells, reinforced ceiling and floors in jail, roof ventilators,

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**Church**, Hackettstown, N. J. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owners, R. C. Church of the Assumption, care of Rev. Joseph McGrath, Hackettstown, N. J. Stone, 45x100 feet, slag roof, stone foundation, seating capacity 250 (steam heating, lighting and plumbing reserved). Owners taking bids, due at rectory June 26th at noon. A. A. Bechtel, Easton, Pa.; A. P. Smith, Easton, Pa.; Benj. Rymon, Phillipsburg, N. J., and Gallow Bros., Stanhope, Pa., are figuring.

**Psychopathic Hospital**, Trenton, N. J., \$350,000. Architect, F. H. Bent, State Capitol Building, Trenton, N. J. Owner, care of S. T. Atchley, Trenton Insurance Association, Trenton, N. J. Stone, 4 stories and basement, 94x45 feet, 30 foot court, stone foundations, fireproof floors, electric light, tile and marble work, hollow metal skylights, elevators, roof ventilators, metal window guards. Architect taking bids, due June 25th. Chas. H. Staten, 1476 Broadway, N. Y.; J. S. Rogers, S. W. Mather & Son, Tom Day and Burton & Burton, Trenton, N. J.; Warren-Moore Co., Philadelphia, and Matthews Const. Co., Princeton, N. J., are figuring.

**College Building**, State and Carroll streets, Trenton, N. J. Architects, Wm. Slack & Son, St. Regis Theatre Building, Trenton, N. J. Owners, Rider-Moore & Stewart School, Trenton, N. J. Brick, stone, steel and concrete, 3 stories, 60x100 feet, slag roof, concrete and wood floors, steam heat, electric light, tile and marble work, wood sash, rolled steel skylights, roof ventilators. Architects taking revised bids, due June 21st. S. W. Mather & Sons, New Trenton Building, Trenton, N. J.; Thomas M. Day, 1109 Greenwood avenue; Charles H. Smith, Newton A. K. Bugbee & Co., 206 East Hanover street; Charles R. Randall, 43 North Hermitage street; Edw. D. LaRue, 53 South Hermitage street; Fred R. Parker, 327 Calhoun street; I. H. Clayton, American Mechanics' Building, and Charles G. Barlow, 255 Bellevue street, Trenton, N. J., and Standard Const. Co., Presser Building, Philadelphia, are figuring.

**Dwellings (3)**, Greenwood avenue, Trenton, N. J., \$19,500. Architect, private plans. Owner, Wm. R. Ivins, 715 Monmouth street, Trenton, N. J. Brick and frame, 2 stories, 22x42 feet, slate roof. Owner will build.

**High School (rebuilding)**, Academy street, Glassboro, N. J. Architect, Clyde S. Adams,

1509 Arch street, Philadelphia. Owners, Board of Education, care of F. L. Supplee, chairman Building Committee, Glassboro, N. J. Owners taking bids, due June 30th. E. J. Kreitzburg, 1345 Arch street, Philadelphia; H. H. Hankins, Bridgeton, N. J.; George W. Shaner, Palmyra, N. J.; E. P. Henry, Paulsboro, N. J., are figuring.

**Store Front**, Princeton avenue, Trenton, N. J. Architect, Wm. Klemann, First National Bank Building, Trenton, N. J. Owner, Isadore Levin, on premises. Plate glass. Plans in progress.

**House**, Riverside Drive, Trenton, N. J. Architect, Wm. Klemann, First National Bank Building, Trenton, N. J. Owner, Mrs. Don VanHorn, Murray, Trenton, N. J. Brick, 1½ stories, 28x28 feet, stone foundations, slate roof, pine floors, electric light. Plans in progress.

**Fire House**, Camden, N. J. Architect, Wm. H. Day, City Hall, Camden, N. J. Owners, City of Camden, care of George Bender, Chief Fire Commission, City Hall, Camden, N. J. Brick and terra cotta, 2 stories, 48x70 feet, slag roof, cement floors, steam heat, electric light, ornamental iron work (heating, plumbing and electric work reserved). Owners taking bids, due June 19th. W. R. Wrifford, 525 Market street; George Bachman, Louis West, 828 Broadway; J. W. Draper, 436 Haddon avenue, Camden, N. J., are figuring.

**Department Store (alts. and add.)**, Broadway and Chestnut streets, Camden, N. J. Architect, Reuben Beard, Real Estate Trust Building, Philadelphia. Owners, Leader Department Store, on premises. Brick, 2 stories, 16x26 feet, slag roof, hemlock and parquetry floors, stone foundations, tile work, metal lath, rolled steel skylights, iron work. Owners taking bids. Potts Bros. & Cooper-son, 129 North Eleventh street, are figuring.

## New Jersey Contracts Awarded

**Factory Building**, Avenel, N. J. Architect, private plans. Owner, Steel Equipment Corporation, Avenel, N. J. Reinforced concrete, 2 stories, 80x160 feet, concrete roof, concrete floors, concrete foundations, steam heat, electric light. Contract awarded to Austin Co., Bulletin Building, Philadelphia.

**Residence**, South Wyoming avenue, Ventnor, N. J. Architect, F. V. Mathis, Guard-

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ian Trust Building, Atlantic City. Owner, Howard Souden, Philadelphia. Frame, 2 stories, 22x32 feet, slate roof, pine floors, hot water heat, electric light, tile work. Contract awarded to J. Mathis & Son, Atlantic City, N. J.

**Stores, Hall and Lodge (alt. and add.),** Fourth and Spruce streets, Camden, N. J. Architect, Thomas Stephens, Temple Building, Camden, N. J. Owner, Sons of Italy, on premises. Brick and stucco, 2 stories, 20x40 feet, stone foundations, slag roof, oak floors, electric light, tile and marble work, plate glass, roof garden. Contract awarded to Baldwin Const. Co., Camden, N. J.

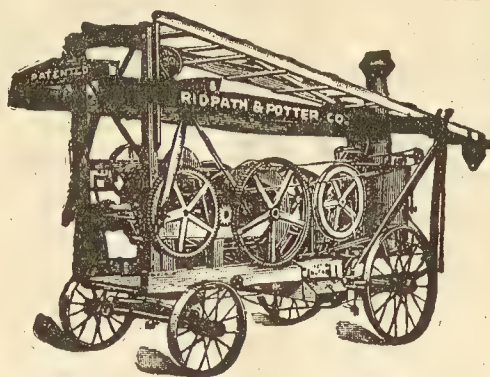
**Apartment,** Atlantic avenue, Atlantic City, N. J., \$22,000. Architect, Bertram Ireland, Guardian Trust Building, Atlantic City. Owner, name withheld. Brick, 2 stories, 20x100 feet, stone foundations, slag roof, pine floors, hot water heat, electric light. Contract awarded to S. Barber, Atlantic City, N. J.

**Theatre (add. and remodeling),** Woodbury, N. J.; \$30,000. Architect, Paul J. Henon, Jr., Finance Building, Philadelphia. Owners, Woodbury Amusement Company, Woodbury, N. J. Brick, 1 story and balcony, 47x143 feet, tin roof, cement floor, steam heat, electric light, tile and marble work. Contract awarded to J. S. Rogers Co., Drexel Building, Philadelphia.

**Fuel, Diesel and Gasoline Storage, Spec.** 3721, Cape May, N. J., \$82,986, 150 days. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Reinforced concrete, 1 story, 49x93 feet, wing 20x28 feet, slag roof, concrete floors, timber piles, steam heat, electric lighting, rolled steel sash, fire doors, waterproofing. Contract awarded to Mansfield & Savage, 135 Williams street, New York City.

**Dwellings (2),** Ardmore avenue, Trenton, N. J., \$7,000. Architect, private plans. Owners, Greenwood Realty Co., 421 Chestnut st., Trenton, N. J. Brick and stucco, 2½ stories, 29x45 feet, slate roof. Contract awarded to James Birks, 224 Ardmore avenue, Trenton, N. J.

**Restaurant and Office,** Broad and State sts., Trenton, N. J., \$15,000. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owner, Wm. Li Ben, Wong Nie Moy, on premises. Alterations, partitions and



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Philadelphia, Penna.

marble stairway. Contract awarded to Sam. Robinson, 1891 Amsterdam street, New York City.

**Dumb Waiter and Fire Tower,** State Hospital, Trenton, N. J. Architect, F. H. Bent, State House, Trenton, N. J. Owners, State of New Jersey, care of Sam Atchley, State House. Fireproof, 3 stories, 37x39 feet and various sizes, hollow tile and plaster. Contract awarded to Burton & Burton, Trenton, N. J.

**House (add.),** 67 Union street, Trenton, N. J., \$1,950. Architect, private plans. Owner, Harris Cooper, Trenton, N. J. Brick, 1 story, 14x16 feet, concrete foundations, slag roof. Contract awarded to D. Rudenburg, Trenton, N. J.

**Dwelling (alts.),** 219 West State street, Trenton, N. J., \$4,500. Architect, J. O. Hunt, Montgomery street, Trenton, N. J. Owner, W. J. B. Stokes, 219 West State street, Trenton, N. J. 3 enclosed porches, fireproof basement room. Contract awarded to J. O. Hunt, Trenton, N. J.

**Delaware****Construction News**

**Settlement Building,** West Ninth street, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. Brick, 3 stories, 85 feet front, steam heat, electric light, tile and marble work. Plans in progress.

**Residence,** Rochland Pike, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld, care of architect. Brick, 2½ stories, 45x30 feet, wing 16x22 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress.

**House (alt.) to Apartment,** Seventh and Orange streets, Wilmington, Del. Architect, E. L. Rice, 815 Market street, Wilmington, Del. Owner, William W Bottomley, on premises. Brick, mill work, plumbing, painting, plastering and electric work. Architect has received bids.

**Pattern and Storage Building,** Maryland avenue and Beech street, Wilmington, Del., \$15,000. Architect, private plans. Owner, E. I. Dupont, Wilmington, Del. Brick, 3 stories, 40x142 feet, slag roofing. Owner will build.

**Office,** Maryland avenue and Beech street, Wilmington, Del., \$6,000. Architect, private plans. Owner, E. I. Dupont, Wilmington, Del. Brick, 1 story, 35x44 feet, tin roof, pine floors, electric light. Owner will build.

**Laundry Building,** Maryland avenue and Beech street, Wilmington, Del., \$20,000. Architect, private plans. Owner, E. I. Dupont, Wilmington, Del. Brick, 50x100 feet, 12 feet

high, slag roof, electric light. Owner will build.

**Dwellings (4),** 2705-7-9-11 Washington street, Wilmington, Del., \$20,000. Architect, private plans. Owner, Donaldson & Jackson, 2300 Jefferson street, Wilmington. Brick, 2 stories, 21x30 feet, slag roof, pine floors, pipeless heat, electric light. Owner will build.

**Delaware****Contracts Awarded**

**Office and Stationery Dept. (alt.),** Vandever and Lamelle streets, Wilmington, Del. \$35,000. Architect, private plans. Owner, E. I. Dupont Co., Wilmington, Del. Brick, 16x24 feet, interior alterations. Contract awarded to Salmond Vros Co., Arlington, Pa.

**Dwelling (add.),** 231 Market street, Wilmington, Del., \$2,000. Architect, private plans. Owner, May Darvesky, Wilmington, Del. Brick, 2 stories, 12x20 feet, slate roof, pine floors, electric light. Contract awarded to F. F. Owens, Jr., 2503 Market street, Wilmington, Del.

**Dwelling and Garage (add.),** Front and Walnut streets, Wilmington, Del., \$5,900. Architect, private plans. Owner, South Hall Garage Co., on premises. Brick, 1 story, 22x32 feet, slate roof. Contract awarded to R. H. Tindall & Son, Wilmington, Del.

**Miscellaneous****Construction News**

**Memorial Hospital,** Mooseheart, Ill., \$100,000. Architect, Carl P. Berger, 1414 South Penn Square, Philadelphia. Owner, L. O. O. M., No. 54, care of John J. Ryan, Secretary, 1314 North Broad street, Philadelphia. Cement block, fireproof, 3 stories and basement, 75x155 feet, tile roof, cement floors, hollow tile, steam heat, electric light, tile and marble work. Plans in progress. Architect will take bids in three weeks.

**Prison Sing Sing,** New York. Architect, private plans. Owner, Superintendent of State Prisons, Centre and Chambers streets, New York City. Steel and brick, concrete and stone, 1 story, 49x76 feet, 4 stories, 40x256 feet, 3 stories, 45x99 feet, 4 stories, 48x202 feet, 24x27 feet, 36x90 feet, composition roof, tile, fireproof and pine floors, stone and concrete foundations, tile work, rolled steel skylights, iron stairs, iron work, metal lath, roof ventilators, dampproofing. Owners have received bids.

**Group of Buildings and Concrete Roads and Walks, Spec. 3905,** Anacostia, D. C. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks,

**Building Lime—Buy pure lime, no core, no grit—Chemical Lime. DAVID FRANCE CO.,**  
Tasker Street Wharf, Delaware River, Phila. Both 'phones.



Navy Department, Washington, D. C. Brick, concrete, stucco and frame, 1 story, 17 buildings 25x130 feet, wings 50x80 feet, 22x122 feet, 30x142 feet, wings 5x30 feet, 12x30 feet, 40x80 feet, 28x105 feet, 30x60 feet, 26x66 feet, 20x48 feet, 14x15 feet, 10x16 feet, 14x35 feet, 11x11 feet, 16x16 feet, 16x16 feet, 33x45 feet, 30x90 feet, 25x37 feet, built up and asbestos shingle roof, concrete and wood block floors, pile and concrete foundations, vacuum steam heat, electric light, tile work, rolled steel sash, fire doors, roof ventilators, waterproofing, iron work. Owners taking bids due June 25th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, Pa., are figuring.

**Factory Building**, Oak street and North avenue, Baltimore, Md. Architect, LeRoy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, Oakland Car, Reinhard Motor Co., Baltimore, Md. Steel frame and frame, 4 stories, 40x110 feet, slag roof, tile floors, steam heat, electric light, (1) elevator. Architect taking bids due June 19th. Standard Const. Co., Phila. Consolidated Eng. Co., Morrow Bros., Price Const. Co., Thomas B. Stansfield & Co., Charles L. Stockhausen & Co., and West Const. Co., all of Baltimore, Md., are figuring.

**Rest House**, Stark, Ohio. Architects, Price & McLanahan, 1418 Walnut street, Philadelphia. Owners, Pennsylvania R. R. Co., care of William Trimble, Pittsburgh, Pa. Brick, steel and terra cotta, 4 stories, 46x240 feet, slag roof, composition and pine floors, vapor heat, electric light, tile and marble work, metal lath, safety treads, waterproofing, dampproofing, iron work. Owners taking bids due June 23rd. F. W. Mark Cont. Co., Commercial Trust Building, are figuring.

**Building "F" and alts. to Stairway**, Spec. 3892, Brooklyn, N. Y. Architect, private plans. Owners, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Lowest bidder, Nugent Const. Corporation, New York City. Item No. 1, \$242,422; No. 2, \$409,904; No. 3, \$8,000.

**Structural Shop (add.)**, Spec. 3920, Navy Yard, Boston, Mass. Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Hollow tile, plaster and steel, 2 stories, 100x366 feet, built up and slag roof, concrete and pine floors, concrete foundations, steam heat, electric light, rolled steel sash and skylights, rolled steel door elevators. Owners taking bids, due June 25th. Deposit \$10.00. Hughes-Foulkrod Co., Commonwealth Building, Philadelphia, are figuring.

**School Building**, Winston-Salem, N. C. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, R. J. Reynolds, Memorial School, care of Mrs. R. J. Reynolds, Winston-Salem, N. C. Hollow tile, 1 story, 300x60 feet, gymnasium 40x60 feet, tile roof, steam fan system heating, electric light, tile, cement and wood floors, tile and marble work. Plans in progress.

**Residence**, Winston-Salem, N. C. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Alexander Hanes, Winston-Salem, N. C. Brick, 2½ stories, 86x40 feet, stone foundations, tile roof, oak floors, hot water heat, electric light, tile and marble work. Plans in progress.

If your sales-talk is keyed to interest men who build it should occupy space every week in the "Guide," the only building magazine this side of Manhattan Island.

## Proposals

### INVITATIONS FOR PROPOSALS

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., June 12, 1919. Sealed proposals will be opened in this office at 3 P. M., June 25, 1919, for the installation complete of an electric mail elevator, etc., in the United States Post Office at McKeesport, Pa., in accordance with the drawings and specification, copies of which may be had at this office in the discretion of the Supervising Architect. James A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., June 12, 1919.—Sealed proposals will be opened in this office at 3 P. M., June 25, 1919, for alterations to the United States Post Office building at McKeesport, Pa. Drawings and specifications may be obtained from the Custodian of the building at McKeesport, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

### Permits for New Buildings

Garage, Seventh and Allegheny avenue, \$1,000. John J. Kelly (O), on premises. Brick, 1 story, 16 feet 4 inchesx27 feet 3 inches. John J. Kennedy (C), 6742 North Broad street.

Hospital, Seventh and Delancey streets, \$110,000. Babies' Hospital (O), on premises. Brick, 6 stories, 81x40 feet and 9x26 feet. Wark Co. (C), 1737 Filbert street.

Dwelling, Byberry Road, west of Bustleton Pike, \$1,200. Mrs. Laura M. Ooth (O), 3410 McKinley street. Frame, 1 story, 26x24 feet. R. G. Shropshin (C), 2352 East Cumberland street.

Dwellings (2), north side of Baumont avenue, east of Vevie Road, \$6,000. George Rosenberg and Charles Sandstrum (O), 4612 North Ella street. Frame, 2 stories, 16x34 feet, shingle and slag roof, hot water heat. Owners will build.

Dwellings, Cottman street, east of Whitaker street, \$3,750. John O. Nelson (O and C), 1101 Cottman street. Brick, 2 stories, 16x48 feet, slag roof, hot air heat.

Dwelling, Oxford Pike, south of Cottman street, \$3,500. Mrs. Agnes Hauser (O), 1524 North Twenty-fifth street. Brick, 2 stories, 16 feet 8 inchesx40 feet, slag roof, hot air heat. H. W. Myers (C), 5814 Hasbrook street.

Dwelling, Hasbrook and Aentner streets, \$5,000. Jacob Kiefferenter (O), 5724 Crittenden street. Stone, 3 stories, 26x36 feet, slag roof, hot air heat. H. W. Myers (C), 5814 Hasbrook street.

Dwellings (20), Lawrence street, south of Olney avenue, \$80,000. Jacob Kraemer (O), Howard and Cumberland streets. Brick, 2 stories, 14 feet 10 inchesx29 feet 5 inches and 11 feet 3 inchesx10 feet 7 inches, slag roof, hot water heat. Alfred Steinhauser (C), 5422 North Fifth street.

Dwellings (26), Tenth and Loudon streets, \$105,000. Daniel Crawford, Jr. (O and C), 701 North Sixty-third street. 16x32 feet 6 inches, 13x17 feet 6 inches, slag roof, hot water heat.

Dwellings (4), Lawndale street, north of

Bleigh street, \$12,000. Louis Leitenberger (O and C), 7345 Oxford avenue. Brick, 2 stories, 14 feet 6 inchesx45 feet, hot water heat.

**Stores and Dwellings (2)**, Sheridan and Johnston street and Sheridan and Oregon avenue, \$5,000. A. Berman (O and C), 2502 S. Third street. Brick, 2 stories, 16x32 feet, slag roof, hot water heat.

Dwellings (23), 2603-47 South Sheridan st., \$46,000. A. Berman (O and C), 2502 South Third street. Brick, 2 stories, 16x32 feet, slag roof, hot air heat.

Garages (2), 49x51 North Sixty-first street, \$2,400. Edward Harsham (O), North American Building. Brick, 1 story, 16x18 feet, slag roof. Charles I. Spayd (C), 20 North Fiftieth street.

Open Shelter Shed, Ninth and Tabor Road, \$900. Philadelphia Rifle Club (O), on premises. Frame, 1 story, 111x17 feet. Philip Haibach Co. (C), 1261 North Twenty-sixth street.

Storage, north side of Ontario street, west of Delaware avenue, \$7,500. The Berg Co. (O), on premises. Brick, 2 stories, 74x100 feet, 22x74 feet. Charles Nardy Co. (C), 902 Bulletin Building.

Garage, Gray's avenue, east of Sixty-third street, \$2,500. David Watson (O and C), 2232 South Sixth street. Brick, 1 story, 25x70 feet.

Manufacturing Building, 931 Locust street, \$7,000. Henry C. Dahl (O and C), 231 South Fifth street. Brick, 2 stories, 24x100 feet.

CCoal Pocket, Seventh street, south of City Line, \$11,000. Speual Eng. Co. (C), Trenton and Allegheny avenues. Frame and concrete, 26x84 feet.

Garage, 1805-07 North Nineteenth street, \$7,775. B. F. Neal (O), Ninth and Montgomery avenue. Brick, 1 story, 36x101 feet, slag roof. E. C. Durell (C), 1713 North Twenty-fourth street.

Garage, Fifth street, north of Olney avenue, \$2,000. H. H. Grogan (O), Fifth and Olney avenue. Brick, 1 story, 16x60 feet, slag roof. M. Levin (C), 1622 Point Breeze avenue.

Open Shed, north side of Gral's avenue, west of Forty-ninth street, \$500. George W. Buckius (O and C), on premises. Frame, 1 story, 30x50 feet.

Garage, 7209 Elmwood avenue, \$1,200. Geo. Smith (O), on premises. Brick, 1 story, 18x40 feet, slag roof. W. J. Mitchell (C), Seventy-ninth and Island Road.

Storage, Tabor Road, west of Sixth street, \$700. Philadelphia Textile Machine Co. (O and C), Sixth and Aabor Road. Iron on iron, 1 story, 20x24 feet.

Dwelling, Graver's Lane, east of Ardleigh street, \$11,800. Charles A. Streiper (O), 15 Springfield avenue. Stone, 3 stories, 27x32 feet, 17x15 feet. George S. Roth & Son (C), 230 East Graver's Lane.

Dwelling, Lindley avenue, west of Warnock street, \$8,750. Dr. Wm. S. Schantz (O), D and Allegheny avenue. Stone, 3 stories, 25 4 inchesx32 feet 10 inches, slate roof, hot water heat. Cerasoli & Scurci (C), 1231 Christian street.

Garage, Lindley avenue, west of Warnock street, \$400. Dr. W. S. Schantz (O), D and Allegheny avenue. Stone, 1 story, 20x20 feet, tin roof. Cerasoli & Scurci (C), 1231 Christian street.

Stores (4), Seventy-second street, south of Elmwood avenue, \$10,000. T. R. Smart (O and C), 7250 Elmwood avenue. Brick, 1 story, 16 feet 4 inchesx45 feet.

Store, Seventy-second and Elmwood avenue, \$2,500. T. P. Smart (O and C), on premises.

Washed Bar Sand and Gravel will take less cement on concrete work. We know how.  
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Brick, 1 story, 16 feet 4 inchesx45 feet.

Dwellings (10), Weidner avenue, east of Fifteenth street. James Friedman (O and C), 2135 North Seventh street. Brick, 2 stories, 16x53 feet 6 inches, slag and slate roof, hot water heat.

Store and Dwelling, 821-23 South Second street, \$8,700. Zeluk Levin (O), 819-21 S. Seventh street. Brick, 3 stories, 19 feet 6 inchesx27 feet, 15 feet 6 inchesx37 feet, slag roof, hot air heat. Michael Kirschner (C), 421 Snyder avenue.

Stable and Wagon House, 1335-37-39 South Juniper street, \$9,000. A. M. Russell (O), 1327 Dickinson street. Brick, 2 stories, 47x72 feet, slag roof. Joseph Walls (C), 1916 South Fifteenth street.

Dwelling, Sixtieth and Chancellor streets, \$18,000. N. Raidman (O and C), 4737 Sansom street. Brick, 3 stories, 16 feet 4 inchesx72 feet, hot water heat.

Dwellings, (1) Sixtieth and Locust streets, (4) Sixtieth and Chancellor streets, \$80,000. Nathan Raidman (O and C), 4737 Sansom street. Brick, 3 stories, (1) 19 feet 8 inches x72 feet and 16x25 feet, 13 feet 6 inchesx42 feet, hot water heat.

Garages (2), Salignac street, east of Lauriston street, \$4,800. Walter Smith (O and C), 5273 Ridge avenue. Brick, 1 story, 19x18 feet, 16 feet 6 inchesx55 feet.

Garage, Florence avenue and Bernard street, \$700. John Botwright (O), on premises. Brick, 1 story, 12x20 feet 9 inches. Franklin Eng. and Const. Co. (C), 408 Bulletin Building.

Dwelling and Garage, Seventeenth and Moyamensing avenue, \$3,000. Charles M. Weild (O and C), 2316 South Broad street. Brick, 2 and 1 stories, 16x40 feet and 10x16 feet, slag roof, hot water heat.

Store and Dwelling, 1511 South street, \$2,390. Joseph Listcoe (O), on premises. Brick, 2 stories, 16x17 feet. J. Harvey Rea (C), 1019 Appletree street.

Garage, 232 Church Lane, \$2,000. James A. Nolen (O and C), 64 Church Lane. Stone, 1 story, 25x90 feet.

Factory, 1231-33 Federal street, \$3,000. Palma & Molina (O), 1534 McKean street. Brick, 2 stories, 34x73 feet. Molina & Farina (C), 1534 McKean street.

Garage, 6153 Oxford street, \$1,800. Harriet Townsend (O), on premises. Brick, 1 story, 19x21 feet. Alfonso Verdi (C), 6145 West Girard avenue.

Garage, 6117 Oxford street, \$1,700. W. Richard Scarlett (O), on premises. Brick, 1 story, 19x21 feet. Alfonso Verdi (C), 6145 West Girard avenue.

Bungalow, State Road, north of Linden avenue, \$2,000. Thomas McBride & George Seymour (O), 3540 Amber street. Frame, 1 story, 26x36 feet. A. Earl Barnes & Co. (C), Twentieth and Pacific streets.

Dwellings (8), Moyamensing avenue, west of Sixteenth street, \$20,000. Charles N. Weild (O and C), 2316 South Broad street. Brick, 2 stories, 15 feet 9 inchesx28 feet 9 inches, 11x11 feet 3 inches.

Dwellings (8), Moyamensing avenue, west of Smedley street, \$20,000. Chas. N. Weild (O and C), 2316 South Broad street. Brick, 2 stories, 16x28 feet 9 inches, 12x11 feet 3 inches, slag roof, hot water heat.

Dwellings (2), Smedley street and Moyamensing avenue, \$5,600. Charles M. Weild (O and C), 2316 South Broad street. Brick, 2 stories, 16x40 feet, slag roof, hot water heat.

Dwellings (20), Fifty-fourth, Wynnefield and Woodbine avenues, \$176,000. Daniel Crawford, Jr. (O and C), 701 North Sixty-third street. Stone, 3 stories, 23x39 feet, 32x36 feet, 24x45 feet, hot water heat, slate roof, electric lighting, oak floors, tile work.

Dwellings (25), Warnock street, South of Courtland street, \$113,500. Izenberg & Liebman (O and C), 3303 Kensington avenue. Brick, 2 stories, 15x28 feet, 12x17 feet and 16x45 feet, slag roof, hot water heat.

Dwelling, Monument avenue, West of Parkside avenue, \$13,000. Glenn J. Barrett (O), 1210 Race street. Stone, 3 stories, 12 feet 4 inches x23 feet, 28 feet 10 inches x22 feet 2 inches, slate roof, hot air heat. J. Anderson Ross (C), 2917 North Broad street.

Dwellings (7), Fifth and Ansbury streets, \$24,500. John B. Mayer (O and C), Broad and Cayuga streets. Brick, 2 stories, 20x26 feet 9 inches, hot water heat.

Dwellings (2), 904-06 Princeton street, \$6,400. S. Walter Cook (O and C), 5718 North Fourth street. Brick, 2 stories, 16x40 feet, hot water heat.

Dwellings (2), 7100-02 Rising Sun avenue, \$6,400. S. Walter Cook (O and C), 5718 North Fourth street. Brick, 2 stories, 16x40 feet, slag roof, hot water heat.

Dwellings (4), Rising Sun avenue, South of Princeton avenue, \$12,800. S. Walter Cook (O and C), 5718 North Fourth street. Brick, 2 stories, 16x40 feet, slag roof, hot water heat.

Garage, Wissahickon avenue, North Clevedon street, \$3,000. Charles E. Dearnley (O), on premises. Brick, 1 story, 29 feet 5 inches x23 feet. William H. Eddelman & Son (C), 453 Green Lane.

Warehouse, Milnot and Bleigh streets, \$6,000. L. Martin Co. (O), Milnor and Cottman streets. Brick, 1 story, 50x101 feet 6 inches. Busby & Propert (C), 1658 Unity street.

Dwelling and Garage, 2019 Walnut street, \$3,500. Dr. H. B. Jump (O), 2019 Walnut street. Brick, 2 stories, 6x22 feet 3 inches, 11 feet 5 inches x21 feet. John F. Davis (C), 1021 Herbert street.

Garages (2), Fifty-seventh street, North of Hoffman street, \$13,400. Frances H. Thole (O), Fifty-eighth and Hoffman streets. Brick, 1 story, 17x145 feet, 26 feet 6 inches x17 feet. John F. Holland (C), 309 South Fifty-first street.

Dwellings (2), Sanger street, East of G street, \$4,000. Schmitt ros. (O and C), 510 Ruscomb street. Brick, 2 stories, 16x40 feet, slag roof, hot water heat.

Garage and Shop, 4601 Tacony street, \$1,400. Sam Reiskoff (O and C), 2346 Orthodox street. Brick, 2 stories, 17x20 feet.

Garage, Diamond street, West of Thirteenth street, \$1,050. George Haas (O), Twelfth and Diamond streets. Brick, 1 story, 20x19 feet 6 inches. William J. Blatz (C), 709 Butler street.

Market House to Amusement Building, Montgomery avenue and Warnock street, \$700. Morris Kolb (O), 27 North Juniper street. Frank I. Wintz (C), 1618 North Twenty-seventh street.

Garage, 7254 Paschall avenue, \$2,000. John Nagey (O), 7109 Woodland avenue. Brick, 1 story, 18x138 feet 10 inches. M. Welsh (C), Seventieth and Woodland avenue.

Dwellings (30), Fisher's avenue, Third and Fisher's avenue, \$147,000. Frederick W. Storch (O and C), 1616 West Passyunk avenue. Brick, 2 stories, 16x42 feet and 15 feet

3 inches x30½ feet, 12x12 feet, slag roof, hot water heat.

Dwellings (10), Eighth street and Sixty-fifth avenue, \$70,000. Harry C. Willer (O and C), 1336 Ruscomb street. Brick, 2 stories, 16 feet 4 inches x40 feet and 16 feet 4 inches x52 feet, hot water heat.

Dwellings (9), Fifty-seventh street, between Sansom and Locust streets, \$54,500. Samuel Sschlosberg (O and C), 6146 Pine street. Brick, 2 stories, 16 feet 2 inches x40 feet and 15x30 feet, 12x10 feet, hot water heat, oak floors.

Garage, 3838 Wallace street, \$3,000. P. M. Gross (O), 639 North Thirty-ninth street. Brick, 1 story, 46x43 feet and 8x26 feet. J. Howard Roberts (C), Lansdowne, Pa.

Dwellings (161), Stores and Dwellings (14), Sheridan, Fairhill, Marshall, Randolph, Johnston streets and Oregon avenue, \$427,000. A. Berman (O and C), 2502 South Third street. Brick, 2 stories, 16x32 feet, hot air heat, electric light.

### Alterations and Additions

Store, 144 West Girard avenue, \$875. Mr. Kertz (O), on premises. Flush bulk. Arthur Chaving (C), 36 Seltzer street.

Dwelling, Marshall and Diamond streets, \$500. Dr. Thomas Atkinson (O), Franklin and Diamond streets. Bay windows. Frank A. Stocker (C), 1201 Atlantic street.

Store and Dwelling, 1505 Federal street, \$500. Joseph Di Paolo (O), on premises. Dom Pietrofesta (C), 1123 Federal street.

Store and Dwelling, 1405 North Thirteenth street, \$800. Mrs. Knable (O), on premises. Flush bulk. Benny Israel (C), 432 Poplar street.

Store and Dwelling, Third and Poplar streets, \$700. M. Rosenthal (O), on premises. Benny Israel (C), 432 Poplar street. Flush bulk.

Store, 1207-09 Chestnut street, \$70,000. Harrison K. Cauer (O), Fourth and Arch streets. Fire damage. John R. Wiggins & Co. (C), Otis Building.

Hospital, Broad and Ontario streets, \$7,500. Samaritan Hospital (O), on premises. Roof garden. Brick, 4 stories, 32x40 feet. Standard Const. Co. (C), 1713 Sansom street.

Store and Dwelling, 2722 Gray's Ferry road. I. Shapiro (O), on premises, \$1,500. Rose Const. Co. (C), 1112 Widener Building.

Dwelling, 2924 Diamond street, \$1,150. Abram Bass (O), 735 Walnut street. Rear shed. S. Bass & Son (C), 735 Walnut street.

Dwelling, 3731 Walnut street, \$2,500. Abram K. Jurthian (O), 1609 Sansom street. Thomas C. Trafford (C), 1613 Sansom street.

Dwelling, 222 St. Mark's Square, \$1,000. J. F. Leitenberger (O), 1713 Mifflin street. Albert Zelfelder (C), 151 South Broad street.

Store, 1110 Chestnut street, \$14,000. S. Kind & Sons (O), on premises. Flush bulk. J. Sims Wilson & Co. (C), 1125 Brown street.

Dwelling, 542-44 Hermitage street, \$3,000. J. Walter Flanigan (O), 542 Hermitage street. Brick, 2 stories, 10x10 feet and 16x16 feet. E. C. Durell (C), 1713 North Twenty-fourth street.

Store and Storage, 248 South Sixtieth street, \$1,200. C. M. Olmer (O), on premises. Brick, 2 stories, 20x22 feet. H. A. Paxon (C), 6006 Market street.

Store and Dwelling, Sixtieth and Osage avenue, \$1,000. Robert Susan (O), on premises. Victor Rosen (C), 315 Washington avenue.

Store, 1604 Chestnut street, \$40,000. Cardeza Est. (O), on premises. Fred A. Havens

We have pebbles all sizes. Cost less than what you are using. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



Co. (C), 845 North Nineteenth street.

Store, 256 North Broad street, \$1,800. N. Benson (O), on premises. Brick latchway, 3 stories, 19x9 feet. Michael Kirchner (C), 421 Snyder avenue.

Store and Dwelling, 3259 North Front street, \$1,700. Myers Bachman (O), on premises. Brick, 2 stories, 18x3 feet. W. McCaughley (C), 3333 Emerald street.

Bank, 925 Chestnut street, \$10,000. Federal Reserve Bank (O), on premises. Two bridges. Jacob Myers & Co. (C), 608 Wither-spoon Building.

Storage Building, Thirtieth street, North of Market street, \$7,000. Pennsylvania Railroad Co. (O), on premises. Repair fire damage. Armstrong & Latta (C), Land Title Building.

Store, Dwelling and Garage, 1415 South Fifty-eighth street, \$2,875. W. M. Calhoun (O), 1046 South Fifty-eighth street. Brick, 1 story, 16x9 feet. James P. Law (C), 517 South Redfield street.

Storage, Sydenham and Columbia avenue, \$1,000. Columbia Storage Co. (O and C), on premises.

Dwelling to Tenement, 3827 Walnut street, \$2,000. Mrs. Mary L. Kay (O), 418 North Fortieth street. William Gore (C), 8 North Forty-first street.

Shop, Eleventh and Fitzwater streets, \$800. M. Del Collo (O), Delhi and Bainbridge street. Frederick Sbroglia (C), 703 South Tenth street.

Store, 3005 Kensington avenue, \$800. Sam Kater (O), 3028 Ruth street. Brick, 1 story, 16x17 feet. John Wortimer (C), 3377 Emerald street.

Mill, Howard and Norris streets, \$1,500. John Gays Son, Inc. (O), Trenton and Ann street. William Steel & Sons Co. (C), 1600 Arch street.

Brewery, Master street, East of Thirty-second street, \$2,000. Bergner & Engel Brewing Co. (O), on premises. E. E. Hollenback (C), 1804 Brandywine street.

Dwelling, 1934 North Thirty-first street, \$650. Israel Shore (O), on premises. Maurice Freeman (C), 527 Mifflin street.

Garage and Shop, 615-23 North Fifteenth street, \$1,000. A. H. Hartwig (O), 501 Greene street. A. Zellfelder (C), 151 South Broad street.

Dwelling, 3167 Richmond street, \$725. Wen-canty Puszyuski (O), on premises. Brick, 1 story, 12x12 feet. G. R. Richmond & Co. (C), 2732 East Allegheny avenue.

Garage, 38-40 West Willow Grove avenue, \$750. Antoni Roman (O and C), on premises. Brick, 1 story, 37 feet 6 inches x20 feet.

Bakery, 258-268 North Twenty-second street, \$2,000. Keebler Weil Co. (O and C), on premises.

Dwelling, 1024 Mifflin street, \$600. J. A. Calzaretta (O), on premises. Brick, 2 stories, 12x15 feet. Joseph Carlucci (C), 1030 Mifflin street.

Tannery, American and Willow streets, \$2,800. C. J. Mathews (O), on premises. New roof, steel beams. F. B. Davis (C), 240 North Sixteenth street.

School, Northwest Corner Madison and Webb streets, \$3,100. M. Monkiawicz (O), 2648 East Allegheny avenue. S. Ozza (C), 2848 East Wishart street.

Dwelling, 333 South Eighteenth street, \$6,300. James Walsh (O), on premises. F. B. Davis (C), 240 North Sixteenth street.

Dwelling, 2422 South Fourth street, \$700. B. Leibman (O and C), on premises. To Dutch hall.

Dwelling, 1420 Walnut street, \$1,000. Misses Biddle (O), 1326 Spruce street. George C. Dougherty (O), 1725 Ludlow street.

Store and Dwelling, Eleventh and Diamond streets, \$3,000. S. M. Santerain (O), 1100 Diamond street. Brick, 1 story, 14x14 feet, slag roof. W. H. Seegers (C), 2644 West Douglass street.

Dwelling, Fifty-first and Chestnut streets, \$2,685. J. Berchschmidt (O), on premises. Brick, 1 story, 15x6 feet. Harry Sadjian (C), 1585 North Fifty-second street.

Garage, State road and Unruh street, \$1,500. Eldridge & Snyder (O), Tulip and Rawle streets. Repair fire damage. Lewis Dietrich (C), 3016 Comly street.

Dwelling, 6645 Torresdale avenue, \$1,200. W. S. Burriss (O), on premises. Bay window. Lewis Dietrich (C), 3016 Comly street.

Office and Dwelling, 2101 Diamond street, \$2,300. James Kehr (O), on premises. F. B. Davis (C), 240 North Sixteenth street.

Dwelling, 323-325 Lindley avenue, \$1,500. John McCleester (O and C), 4055 North Ninth street. Heating.

Storage Building, 5117 Westminster avenue, \$1,400. George Haussman & Son (O), on premises. Repair fire damage. J. D. Fisher (C), 5426 Ahompson street.

Store and Dwelling, Woodland avenue and Felton street, \$900. L. F. Lisan (O), 6212 Woodland avenue. J. Binder (C), 1817 South Fourth street.

Factory, Hope street, North of Girard avenue, \$25,000. E. J. Spangler & Co. (O), North Howard street, North of Girard avenue. Brick, 1 story, 109x50 feet. J. S. Rogers & Co. (C), Drexel Building.

Dwelling to Store and Dwelling, Tenth and Green streets, \$1,950. Morris Medwin (O), on premises. S. Singer (C), 506 McKean street.

Dwelling, 4520 Ditman street, \$1,000. John Kane (O), on premises. Brick, 2 stories, 14x12 feet. Bugby & Propert (C), 1658 Unity street.

Office, Northeast Corner Baker and Mal-lory streets, \$600. Delaine Mills (O), on premises. Brick, 1 story, 12x17 feet. William H. Eddelman & Son (C), 453 Green Lane.

Dwelling, 416 South Sixtieth street, \$1,500. Serpanke Coepacian (O), 5926 Walnut street. Brick, 2 stories, 16x8 feet. A. M. Mahjoubian (C), 5926 Walnut street.

Dwelling, 5511 Chester avenue, \$800. H. Spigel (O), on premises. Brick, 1 story, 15 feet 4 inches x12 feet 6 inches. Shumklin & Rosenbeil (C), Seventh and Wharton streets.

Store and Dwelling, Lansdowne avenue and Edgewood street, \$600. R. F. Grissy (O), on premises. W. L. Gorman (C), 226 North Peach street.

Store and Dwelling, Twenty-first and Nor-ris streets, \$600. Estate of Charles O. Groome (O), 4318 Osage avenue. Flush bulk. S. Lazarus (C), 2004 North Twenty-first street.

Store and Dwelling, 5550 Chester avenue, \$1,000. Joseph L. Winterbury (O), Drexel Hill, Pa. Brick, 1 story, 16x28 feet. James Apostolico (C), 6058 Kingessing avenue.

Store and Dwelling, 5544 Chester avenue, \$1,000. Joseph L. Winterberry (O), Drexel Hill, Pa. Brick, 1 story, 16x28 feet. James Apostolico (C), 6558 Kingessing avenue.

Dwelling and Office, 1801 South Tenth street, \$820. Ludwig S. Capozzi (O), 936 Morris street. Flush bulk. Donato & Buro (C), 809 South Eighth street.

Garage, Thirty-fourth and Spruce streets,

\$2,000. University of Pennsylvania (O), on premises. Brick, 1 story, 38x20 feet. Leroy K. Smith (C), 4007 Chester avenue.

Dwelling (3 family), Seventeenth and Jef-ferson streets, \$6,200. Adolph Bonnem (O), 1823 Diamond street. Heating. Leroy K. Smith (C), 4007 Chester avenue.

Store and Dwelling, Sixth and Jackson streets, \$500. H. Wilderman (O), on premises. Flush bulk. Frank Kaiser (C), 1522 South Sixth street.

School and Rooming House, 334 East Haines street, \$11,950. Rev. P. Montiani (O), Chel-ten and Musgrave street. Fire tower 25x26 feet 6 inches and 8x13 feet. H. J. Hammer (C), 808 North Seventeenth street.

Dwelling, 619 North Thirty-second street, \$1,000. H. T. States (O and C), 3119 Spring Garden street. To tenement.

Store and Storage Building, 3066 Bambrey street, \$1,000. John Green (O and C), on premises. Brick, 2 stories, 16x10 feet.

Dwelling, 1616 Fairmount avenue, \$800. Thomas Fox (O), 1610 Fairmount avenue. Samuel J. Rea & Son (C), 1608 Fairmount ave-nue.

Dwelling, 2005 East Allegheny avenue, \$500. William A. Hascher (O), King and Westmoreland streets. Brick, 1 story, 12x14 feet. William A. Bottoms (C), 3114 I street.

Dwelling, 2109-11-17 Chestnut street, \$4,000. Girard Estate (O), Fifth and Chestnut streets. Fire escape. Henry E. Baton (C), 1713 Sansom street.

Church, Ringgold and Dickinson streets, \$1,000. Dotterer Memorial Baptist Church (O and C), on premises. Frame, 1 story, 26x31 feet.

Barn, Decatur street, North of Red Lion road, \$3,200. William J. Marrow (O), Tor-resdale, Pa. Repair fire damage. William D. Bubeck (C), Somerton, Pa.

Dwelling, 855 North Twenty-seventh street, \$500. H. J. Brennan (O), on premises. Philip Haibach Cont. Co. (C), 1261 North Twenty-sixth street.

Dwelling, 614-16 Rodman street, \$500. I. Pritsker (O), 617 South street. I. Miller (C), 626 Spruce street.

Factory, 2314 Wood street, \$600. Newton Machine & Tool Works (O), Twenty-third and Vine streets. Rush J. Whiteside (C), 2115 Wallace street.

Store and Dwelling, 1140 Moore street, \$1,800. Frank J. Fink (O), 1216 South street. Repair fire damage. Saidel & Feldman (C), 5749 Walnut street.

Dwelling, 3628 Powelton avenue, \$800. James Davrah (O), 3628 Powelton avenue. Brick, 1 story, 12x11 feet. Joseph Darral (C).

Dwelling, 2226 South Seventh street, \$1,600. S. Eseroff (O), on premises. Brick, 2 stories, 12x16 feet. A. Shestack (C), 528 Reed street.

Store and Dwelling, 1538 Market street, \$2,735. Roseman & Leviston (O), on premises. M. Yellin (C), 712 North Franklin street.

Store and Dwelling, 880 North Marshall street, \$500. Joseph Michels (O), 884 North Marshall street. Flush bulk. A. Rubin (C), 906 North Eighth street.

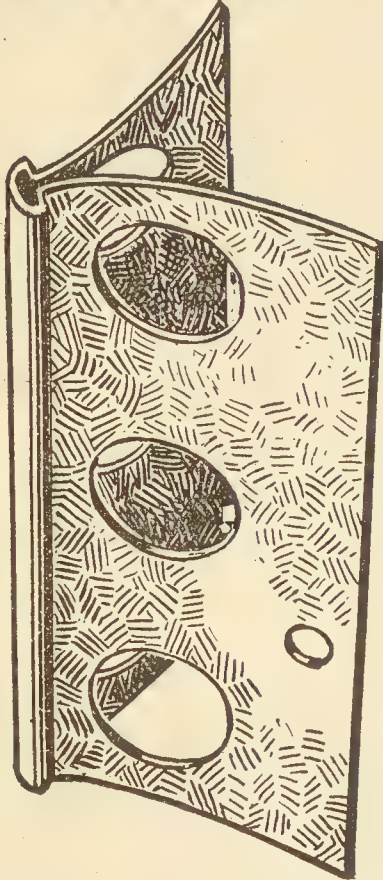
Store and Dwelling, 133 South Eighteenth street, \$900. Charles J. Kieferle (O), 211 South Seventeenth street. Hogg Const. Co. (C), 706 Denekla Building.

Dwellings (2), 1108-10 Curtin street, \$1,950. Alex. Brown (O and C), 4511 North Twelfth street. Frame, 1 story, 13x8 feet 4 inches.

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Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

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Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

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William Moore Co.....1506 Sansom st., Phila.

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Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

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Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.

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P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.  
French, Samuel H., & Co.,  
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Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

## Columns (Metal).

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## Composition Flooring.

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Petronite Mfg. Co.....531 N. 9th st., Phila.  
Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.

Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Contractors' Equipment.

Service Equipment Co.....Bourse Bldg., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.

General Fireproofing Co. 512 Bulletin Bldg., Phila.

Henry S. Harris.....Land Title Bldg., Phila.

Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.

McCalla Co., The Harold... 531 N. 4th st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.

Truscon Steel Co.....Commonwealth Bldg., Phila.

## Floor Plates.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co. 1332 Arch st., Phila.

## Gas Water Heaters.

Apeldorn & Beatty Co.... 155 N. 9th st., Phila.

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Elmer Barber.....1127 Land Title Bldg., Phila.

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Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.

Fleck Bros. Co.....44 N. 5th st., Phila.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

Richardson and Boynton Co. 1332 Arch st., Phila.

## Hollow Tile.

O. W. Ketcham.....Builders' Exchange, Phila.

## Insurance.

Harris J. Latta.....Pennsylvania Bldg., Phila.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.

Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Iron and Steel Bars and Plates.

McCalla Co., The Harold... 531 N. 4th st., Phila.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

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Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

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Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lumber.

Wm. Lloyd Co.....29th and Ridge ave., Phila.

James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.

Italian Marble Mosaic Co... 433 Spruce st., Phila.

Roman-Cianci Co., Inc... 3428 Warren st., Phila.

## Metal Lath.

Audubon Wire Cloth Co., Inc.... Audubon, N. J.

Consolidated Expanded Metal Co.,  
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General Fireproofing Co. 512 Bulletin Bldg., Phila.

McCalla Co., The Harold... 531 N. 4th st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.

Truscon Steel Co.....Commonwealth Bldg., Phila.

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French, Samuel H., & Co.,  
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## Paving Bricks.

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John S. E. Pardee & Co.....Heed Bldg., Phila.

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## Safety Guards.

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Kensington Metal Co.....1612 N. 2nd st., Phila.

## Scales.

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## Screens.

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## Steam Specialties.

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## Slate.

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## Surety Bonds.

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Stokes-Packard-Haughton & Smith,  
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Wagner-Taylor-Edson Co., Inc.,  
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## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

## Test Borings.

Artesian Well Drilling Co.,  
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Roman-Cianci Co., Inc... 3428 Warren st., Phila.

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## Tiling.

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| Cash in Banks.....                   | 2,395,335.33    |
| Premiums in course of transmission.. | 3,203,681.96    |
| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

### LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

Total Liabilities ..... \$30,801,413.40

Surplus to Policyholders..... \$ 12,922,516.93

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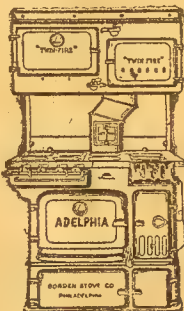
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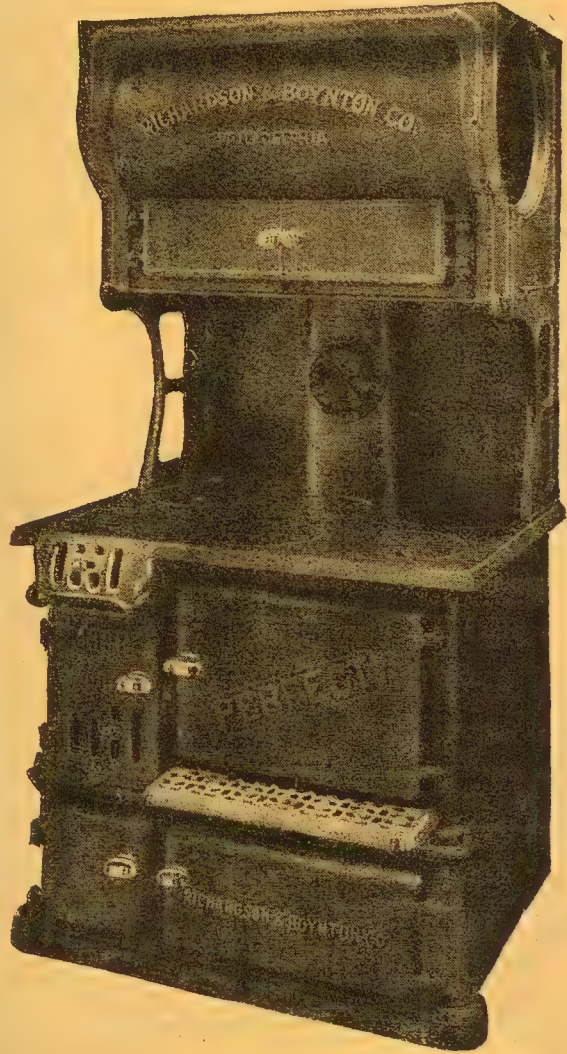
# Builders' Guide

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Vol. XXXIV., No. 26  
June 25, 1919

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CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

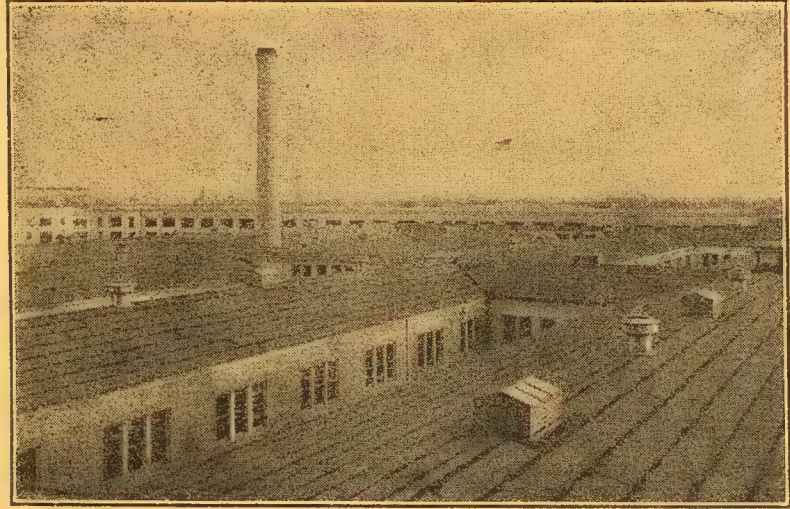
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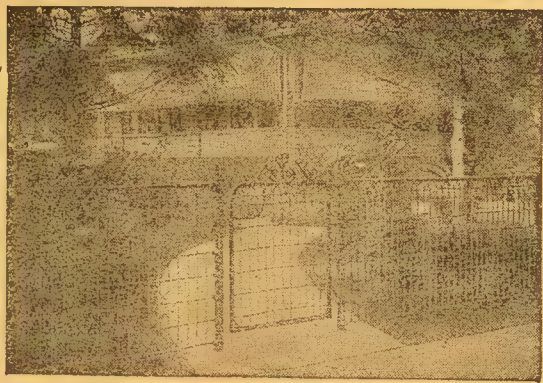
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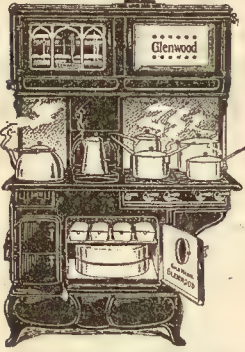
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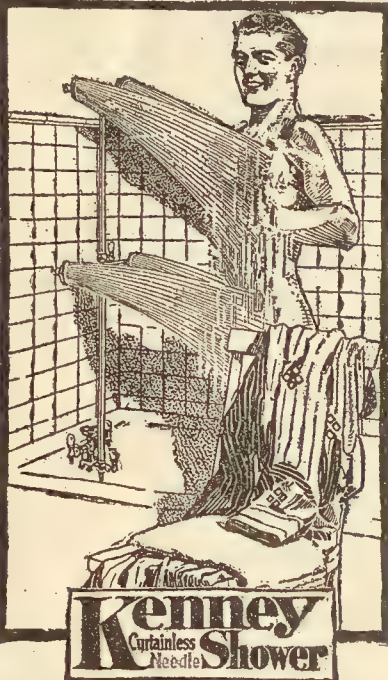


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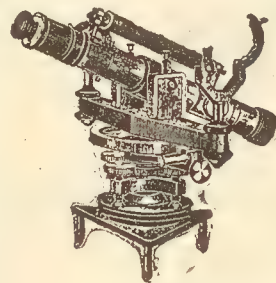
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

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June 25, 1919

## BUILDERS' GUIDE

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## As The Editor Sees It



THE price situation continues to be a topic of absorbing interest. Some very illuminating facts pertinent to this question were presented by Professor Thomas S. Holden to the Committee on Public Utilities of the Chamber of Commerce of the United States. The sooner the public accustoms itself to the prevailing high prices, the sooner it realizes that any great and immediate reduction is both impossible and entirely undesirable, the better will America be able to fulfill the demands of after-war business conditions.

"One of the factors," says Professor Holden, that has tended to delay building operations has been the tendency on the part of bankers to refuse advances of money on the basis of valuation computed in terms of present prices of materials. It is hoped that the statement of the Federal Reserve Board will influence the bankers to pursue a more liberal policy.

According to figures of the Bureau of Labor Statistics, the maximum level of wholesale prices of basic commodities was reached in September, 1918, the index figure being 207. This figure is based on the average for the year 1913 as 100. The index figure for the month of February was 197, for the month of March it was 200, for the month of April it was 203. Weekly quotations continue to show more commodities advancing than declining. Thus it is seen that the price level is again within hail-

ing distance of the maximum. The question today is not whether prices will fall or how much they will fall; it is rather how much higher will they go? The principal commodities that have advanced recently are foodstuffs. Although there is a surplus in this country, there is a world to be fed and the world supply is short. Mr. Herbert Hoover has been quoted as stating that wheat would probably go to \$3.50 a bushel if all restrictions were removed. The cost of living is still increasing and the dollar is on the decline. The problem is to arrest this decline in the purchasing power of the dollar.

People want to know today what future prices are likely to be. It is impossible to prophesy, but it is possible to view facts that will have a bearing on future prices. From these facts it may be possible to indicate future price tendencies.

It took thirteen years after the Civil War for wholesale prices to get back to the pre-war level. The circumstances of that period were much more favorable for price reductions than they appear to be at the present time. As compared with the war just ended the Civil War was a purely local affair.

The reason why the present situation has been so difficult to understand is the fact that it is a world-wide phenomenon. The scope of the economic changes has been as wide as the war itself. In January of this year the Bureau of Labor

Statistics' index figure for wholesale prices of all commodities showed an increase of 102 per cent. over the year 1913. At the same time the price level in England was 117 per cent. higher than in 1913; in France it was 249 per cent. higher. It is a significant fact that France, which showed such a marked rise in the price level, resorted to inflation to a much greater extent than did either England or the United States.

In England and in America it has been considered wise to pay a large proportion of the expenses of the war through the levying of heavy taxes, thus minimizing the necessity for extension of the public debt and the inflation of currency. In those countries where it was considered expedient to avoid high taxation and to resort to inflation the people are now paying the piper through the high prices they are obliged to give for the necessities of life.

Whether you believe with the majority of economists that the price level is the result of the amount of money, or whether you agree with the minority that that the quantity of money accommodates itself to the price level, the present condition of world-wide high prices accompanied by a world-wide increase of money and credits, must be considered. Either prices in the future will be less because of a contraction in the amount of legal tender, or lower prices in the future must be accompanied by a decrease in the amount of legal tender.

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Hence the problem of future prices depends upon the solution of the financial problem and a solution of that cannot be wholly controlled by any one country.

Lord D'Abernon, an eminent British financier, has been quoted as follows: "If there were to be an attempt today to bring about a rapid return to the gold currency basis of 1914 it would almost double the weight of the world's indebtedness and would certainly lead to the bankruptcy of many nations." The governments which have borrowed cheap money would, in the case of contraction, have to re-pay with dear money. Individuals who have borrowed cheap money would have to pay back with dear money. The inevitable heavy taxes would have to be paid in dear money. It is extremely unlikely that the governments of the world can be reasonably expected to decrease appreciably the world inflation within a brief period of years.

The condition that have brought about inflation and the rise in the price level in this country could only have been avoided if all trade regulations with Europe had ceased at the outbreak of the war. What has happened has been that we have shipped enormous quantities of goods to Europe. Those goods have not been used in production, but have been consumed or destroyed. We have received in return, not goods, but money. These transactions, in the aggregate, have approximated fifteen billions of dollars. Before the war this nation was indebted to Europe to the extent of six billions. We are now Europe's creditor to the extent of nine billions.

A serious problem at the present time is concerned with conditions surrounding future trade relations with foreign countries. If America continues to ship goods to Europe, receiving in return only money or promises to pay, there is danger that the disparity between the amount of commodities and the amount of money in this country will continue to grow, resulting in a level of prices even higher than that obtaining at the present time. In view of this, some people think today that it may become advisable to restrict exports to such an extent that they may be paid for in commodities rather than in money. Such a regulation could scarcely be put into effect all at once. It might not be practical at all. It would appear, however, that Europe's debt to us must ultimately be paid in goods.

Any consideration of future prices must necessarily involve a consideration of the probable tariff program. Without going into the controversial aspects of this subject, it is well that those phases of it which are likely to affect prices be noticed here. It is a serious question whether it is desirable that a tariff schedule be framed in such a way that we

shall continue to ship goods away and receive in return only money or promises to pay. What used to be considered a "favorable" balance of trade, may not be so "favorable" in the future. The ideal condition in foreign trade is the exchange of commodities for commodities, money being used merely as that which facilitates the exchange. It is true that it would not be desirable to have foreign goods sold in this country in such a way as to demoralize our markets. It is none the less true that we do not want further increases in our stock of money to such an extent that its purchasing power will continue to decline.

This problem is engaging the serious attention of some of the best informed leaders in business, economics and statecraft. It is to be hoped that their reasoned opinions will have a great influence on our future tariff policy. Even though past tariff policies may have been successful, any new policy must be framed after thorough consideration of a large body of new facts. A wise program cannot be expected if it is made solely as a compromise between the claims of short-sighted, selfish interests. It cannot be expected if the problem is viewed only in the light of before the war.

There are many far-sighted, thoughtful men among our leaders of business and our public men. There are men expert in this intricate subject among our practical economists. It is to be hoped that the ideas of these groups will prevail.

Although foreign trade relations have been so largely responsible for the conditions we face at present, and though these relations may be of great importance in the future, it is possible to concentrate too much upon the problems they involve. These problems can not be settled at once. France has been obliged to await the settlement of the Peace Treaty, and has deemed it expedient to place drastic restrictions on imports during the waiting period. Great Britain has raised the barriers against foreign goods for the duration of such time as is necessary to get her industrial house in order. The period of readjustment in Europe must be necessarily prolonged.

In the meantime, should the people of the United States sit idly by and watch their dollars shrink? Must prosperity wait until foreign markets are opened to us? When the wheels of American industry are turning and every able bodied worker has a job that brings him a substantial wage, there is a pretty extensive market for American goods among the one hundred and ten million people of America. The best way for Americans to set about arresting the shrinkage of

the dollar is to produce more goods, thus remedying the existing disparity between commodities and money.

Great as is the actual and potential demand in this country for consumers' goods, perhaps even more insistent is the demand for houses. In the words of Walt Mason, the poet laureate of Kansas:

"In my native burg, Emporia, I see women chasing round, and they tell the same old story—houses simply can't be found. And the same sad word is spoken everywhere I chance to roam; from Topeka to Hoboken folks are hunting for a home."

The nation's shortage has been estimated at one million houses.

There should be plenty of money available for building enterprises. During the period of waiting there was plenty of it to spend on diamonds and silverware and jewelry of all kinds. There has been plenty of it to spend on automobiles. Great increases of sales of cigars have been reported. Little difficulty has been experienced by those who wished to finance the purchase of numerous quarts of Gordon Gin and Haig and Haig against the long dry spell to come.

In short the public has been willing to spend its money on luxuries, but unwilling to invest it in building, which is a vital necessity, and which increases the permanent wealth of the country.

At the beginning of the year the building of homes was urged on the grounds of patriotism. At present, it is an absolute necessity that they be built to fill all urgent need. Furthermore, in the light of present information concerning prices, it can be shown that money spent on building is money well invested.

Considered in relation to prices prevailing in the year preceding July, 1914, building materials are cheaper now than most other commodities. By the end of 1918 lumber had advanced 73 per cent. above the pre-war level; mill prices on Portland Cement has risen, on the average, 74 per cent. f. o. b.; plant prices on mineral aggregate (sand, gravel, and crushed stone has risen on the average, 73 per cent.; building stone on the average, 64 per cent.; common brick, 92 per cent. The building materials group (not including any metal products) rose 84 per cent. Compare this with a rise of 113 per cent. in all other commodities, and with a rise of 116 per cent. in the group of farm products. The cost of construction of buildings on the average has increased about 62 per cent.

Little evidence is in sight pointing to a decline of prices in general. There is even less likelihood of declines in prices of building materials. The index for



the group was the same for the first quarter of this year as for the last quarter of 1918. Slight declines in some materials have been offset by slight advances in others. As a group the prices have been practically stabilized.

In the nature of things, prices of building materials fluctuate less than the prices of those commodities which are consumed from day to day, such as food-stuffs, and textiles, and of those commodities such as the metals, which furnish the raw materials of industry. During the Civil War building materials advanced less rapidly than did other commodities, and they failed to reach the high levels of other commodities. In fact they remained above the general level of all commodities until 1874. If building materials, instead of fluctuating in price, had declined from the high point of January, 1865, at a uniform rate of 4 per cent. per annum until 1874, they would have reached their actual 1874 level, which was the same as the general level of all commodities for that year.

A decline of 4 per cent. per annum in prices of materials would probably not involve an annual depreciation in value of a building of more than 2½ per cent. The fact is that present conditions do not indicate that the next few years will see declines in building material prices amounting to as much as 4 per cent. a year. It is more than likely that building materials, on the average, will not decline at all for a considerable period. Present indications are that building materials are more likely to be somewhat higher on the average in 1920, than at present, rather than lower.

Not only is the demand for houses imperative and the cost of construction cheap in proportion to prices of commodities in general, but there is every prospect that the return to those who invest in building now will adequately cover present construction costs.

\* \* \*

The New York Joint Legislative Committee, through its chairman, Senator Charles C. Lockwood, is urging exemption from Federal taxation of mortgages or holdings in mortgages on buildings. The belief is expressed that if this exemption is provided mortgage money can compete in the money market with government and other securities which are now non-taxable.

Taxation tends to restrict output. Taxes on buildings could be made so heavy that building operations would cease. We tax dogs to keep down the dog population. No one denies that to tax a given article is to penalize production of that article; to tax houses is to penalize the building of houses.

The dire need for dwellings and apartments throughout the country is justifi-

cation for the most radical action which will encourage building. It may be that as a nation we have a prejudice against anything resembling discrimination. The thought of exempting new buildings from taxation goes against the grain of our traditions, but we are confronted by a very serious situation and the conventional ways of handling building activities do not promise the relief essential.

Since we need buildings rather than building sites, and since taxes tend to restrict the supply, it might be worth while to increase taxes on vacant building sites, and decrease taxes on buildings. High taxes on building sites would tend to force the owner either to sell to someone who would improve the site or improve it himself in order to make it produce revenues.

Whether or not we interest ourselves in the building site phase of the ques-

tion it is imperative that conditions be made as favorable as possible for new structures and the investment of money in new buildings.

If present conditions continue for any length of time, of necessity the Federal Government will be forced to devise ways and means of financing new building projects. In that event and to whatever extent it goes in for Federal finance, it is deprived of tax revenues on the money. It has nothing to lose, therefore, and much to gain, if it will now devise a way to favor private initiative in building investments through tax exemptions.—*American Contractor.*

\* \* \*

#### PERSONAL NOTES

George S. Idell, architect, formerly at 34 South Sixteenth street, has moved his offices to larger quarters at 1705 Chestnut street, Philadelphia.

## THE HOME OWNER'S INTEREST IN CITY AND TOWN PLANNING AND EXPANSION

PERRY R. MAC NEILLE

ONE of the interesting features of the reconstruction period which follows a great war is the resumption of business activities along extended and more carefully considered lines. During the war period, there was a slack in normal every-day business. Popular interest in the war has had its effect in broadening the viewpoint of the average man, and in the placing of industry and commerce again on a peace basis, it has been the aim of every individual and corporation to create a more efficient and broader form of organization.

The mind of a city is constituted of the collective minds of its citizens. Cities, therefore, are being considered from a broader viewpoint and placed on a business basis in a manner never before known. The average city is being considered by its citizens and its officials more as a business institution and the taxpayer is taking a more constructive interest in city activities. As a business institution, the average city is feeling its lack in many ways, and broad programmes are being outlined, having as their purpose the intensive development of present sources of city revenue, the addition of new sources of municipal revenue and a study of the expenditure of city funds in order that greater results may be enjoyed by the citizens upon whom the burden of taxation falls directly.

The purpose of this article is not to consider directly the problems of any individual city or town, but to outline in a

general manner the intent and purpose of city and town planning, the problems which are involved and methods of solution which will be beneficial to the city and its inhabitants.

The modern city planner should not, and does not, approach the problem of a city with a view of providing a picture of a city beautiful; a picture which may be attractive as it hangs on the wall, but which in its actual carrying out may be impracticable and may involve an expenditure too great for the average city to bear. The city practical is inherently a city beautiful, and from this viewpoint it may easily be realized that a city plan means a graphic presentation of the various factors involved in a logical municipal expansion program, indicating not only proper and inexpensive changes in existing conditions in built up sections of the city, but clearly defining and directing methods of expansion for the years to come. Following are the principal features of an ordinary city plan, and these will be explained in detail in later paragraphs.

1. Present city plan with recommended changes at bad traffic points and recommendations for the location of new public and semi-public buildings, including railroad stations, hotels, theatres, churches and institutions.

2. On this plan will be shown logical extension of highway and street systems and traffic bridges in undeveloped territories which will be utilized as the population grows.

(Continued on page 378)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF, NEW CONSTRUCTION

**Dwellings (2)**, Houghton street, North of Walnut lane, \$4,000. Architect, private plans. Owner, Elwood Barrett, 538 East Walnut lane, Philadelphia. Brick, 2 stories, 15x51 feet, asbestos roof, hot water heat. Owner will build.

**Garages (3)**, East side Sixtieth street, South of Baltimore avenue, \$16,500. Architect, private plans. Owner, Edward V. Holland, 1037 South Fifty-fourth street, Philadelphia. Brick, 1 story, 82x37 feet, 39x20 feet, gas, electric light. Owner will build.

**Dwellings (20)**, Fifty-ninth and Larchwood avenue, Philadelphia, \$90,000. Architect, private plans. Owner, W. Pilton, 5957 Larchwood avenue, Philadelphia. Brick, 2 stories, 15½x42 feet, 12x11½ feet and 16x42 feet, 12½x11½ feet, slag roof, hot water heat, electric light, hardwood floors. Owners will build.

**Traffic Stable (alts.)**, Broad street below Federal street, \$6,000. Architect, Joseph A. Roletter, City Hall, Philadelphia. Owner, City of Philadelphia, Department of Public Safety, Philadelphia. General alterations, slag roof, plastering, mill work, painting, plumbing, electric lighting. Owners taking revised bids due July 2nd. J. H. Jordan, Thirty-first and Oxford streets; Bowden Const. Co., 1713 Sansom street, and Monaghan & Losse, Inc., 3016 Chestnut street; E. C. Durell, 1713 North Twenty-fourth street, figuring.

**Residence (alts.)**, Broad and Courtland streets, Philadelphia. Architect, H. W. Castor, Stephen Girard Building, Philadelphia. Owner, Dr. S. Goldberg, 4415 Germantown avenue, Philadelphia. Rearrangement of office, partitions, mill work, etc. Plans in progress.

**Moving Picture Theatre**, 4910 North Broad street, Philadelphia. Architect, Albert Schenek, Real Estate Trust Building, Philadelphia. Owner, Logan Auditorium, on premises. New front add., reinforced concrete, ornamental terra cotta, 40x50 feet, slag roof, cement and composition floors, leaded glass (heating and lighting reserved). Architect taking bids due June 30th at noon. A. R. Raff Const. Co., 1635 Thompson street; Wm. R. Dougherty, 1610 Sansom street; H. E. Baton, 1713 Sansom street; Jacob Myers & Sons Co., Witherspoon Building, and L. T. West, 828 Broadway, Camden, N. J., are figuring.

**Garage**, Glenwood and Columbia avenues, Philadelphia. Architect, Waldemar Mortensen, 209 West Seventy-sixth street, New York City. Owner, American Ice Co., Sixth and Arch streets, Philadelphia. Brick, stone and steel, 2 stories, 75x75 feet, slag roof, stone foundations, waterproofing, iron work (heating and lighting reserved). Owners taking bids due June 26th. H. E. Baton, 1713 Sansom street; Monaghan & Losse, Inc., 3016 Chestnut street, and P. Haibach Const. Co., Twenty-sixth and Thompson streets, are figuring.

**Residences (34 additional)**, Sixty-fifth street between Lebanon and Diamond streets. Architect, E. Allen Wilson, 1208 Chestnut street,

Philadelphia. Owner, John J. Marshall, 1115 Marlyn road, Philadelphia. Stone, 2 stories, 16x45 feet, garages in basements, slag roof, slate roof, oak floors, hot water heat, electric and gas light, tile and marble work, gas ranges. Owners ready for sub-bids.

**Elevated Station (4)**, (1) York street, East side of Front, (1) Dauphin, West side of Front, (2) Girard avenue. Architect, private plans. Owner, City of Philadelphia, Department of City Transit, Mershon Building. Brick, steel and concrete. Plans completed. Owners will take bids in a few days.

**Twin Residence**, Queen Lane Manor, Philadelphia. Architects, Hawley & Hawley, 34 South Seventeenth street, Philadelphia. Owner, Queen Lane Land Co., Witherspoon Building, Philadelphia. Brick and rough cast, 2½ stories, 40x50 feet, slate roof, oak floors, stone foundations, hot air heat, electric light, tile work. Plans in progress. Architects will be ready for sub-bids in a week.

**Garage**, Queen Lane Manor, Philadelphia. Architect, Samuel D. Hawley, 34 South Seventeenth street, Philadelphia. Owner, W. C. Huber, Queen Lane Manor, Philadelphia. Brick, 1 story, 20x20 feet, slate roof, cement floors, stone foundations, hot water heat, electric light. Plans in progress.

**Garage**, Hunting Park avenue, West of Broad street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, M. Haisfield, 19 South Third street, Philadelphia. Brick, 1 story, 74x150 feet, built-up roof, cement floors, stone foundations, vapor system heat, electric light, tile and marble work, rolled steel sash, metal lath, iron work. Architect taking bids due June 30th. Wm. R. Dougherty, 1610 Sansom street; Smith-Hardican Co., 1606 Cherry street; E. E. Hollenback, Inc., 1804 Brandwine street; J. Sims Wilson Co., 1125 Brown street, and B. Bornstein, 1510 North Franklin street, are figuring.

**Bank Building (alt. and add.)**, 1645 North Broad street, Philadelphia. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owner, Tenth National Bank, 1645 North Broad street, Philadelphia. Brick, stone and steel, 2 stories, 80x110 feet, slag roof, tile and oak floors, steam heat, electric light, tile and marble work, stone foundations, metal lath, kalamein doors, metal lath, roof ventilators, iron work. Architect taking bids due June 30th. J. Chas. Yundt, Tabor road, Olney, Pa.; H. H. Broeklehurst, 512 West Norris street; F. L. Hoover & Son, 1023 Cherry street; A. R. Raff Const. Co., 1635 Thompson street; H. E. Baton, 1713 Sansom street; John N. Gill & Son, Otis Building; Melody & Keating, 1322 Race street; Henry P. Schneider, 3713 Old York road; Cramp & Co., Denckla Building; Wm. R. Dougherty, 1610 Sansom street; Ketcham & McQuade, 1029 Brown street, and F. E. Wallace, 1220 Chancellor street; Thos. C. Trafford, 1613 Sansom street;

Frank G. Stewart, 1619 Sansom street, are figuring.

**Stores and Dwelling (6)**, Fifth street, South of Chew street, Germantown, Philadelphia, \$36,000. Architect, private plans. Owner, Jacob Faust, 4611 North Broad street, Philadelphia. Brick, 2 stories, 16 feet 4 inches x29 feet, 12x18 feet, slag roof, hot air heat, electric light, yellow pine floors. Owner will build.

**Building (add.)**, Northwest Corner Thompson and Clementine streets, \$10,000. Architect, private plans. Owner, General Machine Co., on premises. Brick, 2 stories, 50x147 feet, slag roof, electric lighting. Owners will build.

**Garage**, 199 Green Lane, Manayunk, Philadelphia. Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, Jas. P. Seery, on premises. Brick, 1½ stories, 15x52 feet, slag roof, cement floors, steam heat, electric light, stone foundations. Owners will build.

**Dwellings (16)**, Pulaski avenue and Apsley street, \$105,000. Architect, private plans. Owner, John H. McClatchey, Land Title Building, Philadelphia. Brick, 3 stories, 16x40 feet and 16x32 feet, 8x12 feet, slag roof, hot water heat, electric lighting, oak and pine floors, cement work. Owner will build.

**Factory**, Fraley street, west of James street, Philadelphia, \$25,000. Architect, Stanford B. Lewis, Fifteenth and Walnut streets, Philadelphia. Owner, Abrasive Co., on premises. Brick, 2 stories, 61x95 feet, steam heat, electric light, concrete and maple floors, Warren Ehret roof. Owner will build.

**Apartment House**, Forty-fourth and Walnut streets, Philadelphia. Architect, D. Knickerbocker Boyd, Otis Building, Philadelphia. Owner, P. Teti, Tenth and Catharine streets. Brick, 3 stories, slag roof, pine floors, stone foundations, hot water heat, electric light, tile and marble work. Owner will build.

**Bank Building (alt. and add.)**, 713 Chestnut street, Philadelphia. Architect, Adin B. Lacey, 1012 Walnut street, Philadelphia. Owner, Bank of Commerce, 713 Chestnut street, Philadelphia. Brick work, structural steel, mill work, carpentry, painting, plastering, hardware, 19x25 feet, 1 story, cork and tile floors, electric lighting, marble work, iron work. Architect taking bids due June 26th. R. C. Ballinger & Co., 218 North Thirteenth street; F. E. Wallace, 1220 Chancellor street, and H. E. Baton, 1713 Sansom street; Lam Building Co., 1001 Wood street, are figuring.

**Residence (alts.)**, Pine street, Philadelphia. Architect, E. N. Conkling, Stephen Girard Building, Philadelphia. Owner, name withheld. General alterations changing residence to apartment house. Brick, 3 stories, 12x50 feet add., slag roof, hot water or steam heat, combination light, oak and pine floors, tile work, steel stairway. Architect taking bids due as soon as possible from Lam Building Co., 1001 Wood street, Philadelphia.

**Club House (alts.)**, 3946 Walnut street, Phil-



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Philadelphia. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Philomusian Club, 3944 Walnut street, Philadelphia. General interior alterations, miscellaneous work, steam heat, electric light, tile and marble work, oak floors. Plans in progress. Architect will take bids in one week.

**Building (alts.)**, No. 2, Girard College, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owner, Girard College Trustees, Stephen Girard Building. Stone, brick and steel, 3 stories, tile and yellow pine floors, hot water heat, electric light, tile and marble work, metal lath. Owners taking bids due June 26th. H. H. Burrell, 206 South Quince street; F. A. Havens Co., 845 North Nineteenth street; H. E. Baton, 1713 Sansom street; F. L. Hoover & Son, 1023 Cherry street, and F. W. Van Loon, Denckla Building, are figuring.

**Residences (22)**, South side of Osage avenue, between Sixty-second and Sixty-third streets. Architects, private plans. Owner, Barnet Rubin & Samuel Cohen, 411 South Sixty-second street, Philadelphia. Brick, 2 stories, slag roof, oak floors, hot water heat, electric light, tile work, stone foundations. Owners taking sub-bids.

**Store and Dwelling (alts.)**, Northeast Corner Thirty-seventh and Walnut streets. Architect, Herman H. Kline, 536 Mifflin street, Philadelphia. Owner, name withheld. Brick, 3 stories, 25x75 feet, slag roof, oak floors, hot water heat, electric light, tile and marble work, flush bulks. Architect will be ready for bids in a week.

**Residence and Garage**, Fifty-second and Overbrook avenue, Wynnefield, Philadelphia. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, Frank B. Heyburn, 5902 Carpenter street, Philadelphia.

Stone, 2½ stories, 31x44 feet, wing 16x21 feet, garage, 1½ stories, 23x29 feet, slate roof, hot water heat, electric light, tile and marble work, oak floors, cement work. Architect has received bids.

**Moving Picture Booth**, Twenty-sixth and Jefferson streets; **Removable Floor**, over swimming pool, Twelfth and Reed streets, and **Roof** on swimming pool, Twenty-fourth and Cumberland streets. Architect, private plans. Owner, City of Philadelphia, Board of Recreation, City Hall, Philadelphia. Lowest bidder: E. C. Durell, 1713 North Twenty-fourth street, Philadelphia.

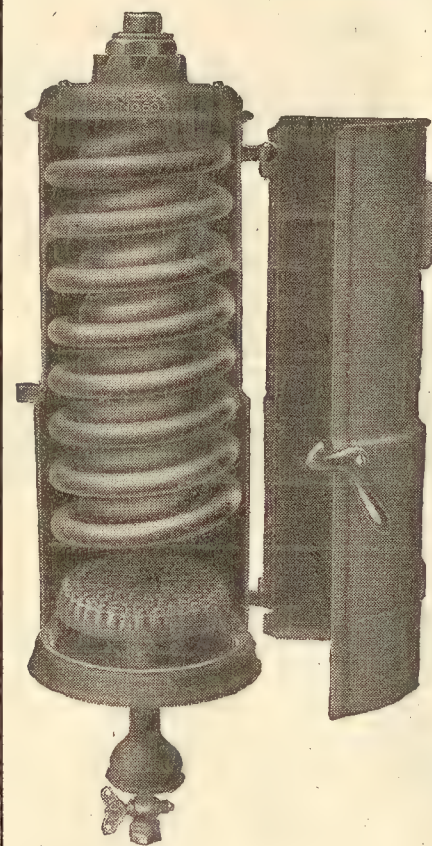
**Building (alts. and add.)**, 223 North Twenty-first street, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owner, County Commissioners, 130 City Hall, Philadelphia. General alterations and add., plumbing, heating, ventilators and electric work. Lowest bidder on const. work, Mitchell Bros., 2125 Race street, Philadelphia, \$29,500.

**Diet Kitchens, Utility Rooms and Bath Rooms (alts.)**, York and Tabor roads. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Jewish Hospital, on premises. Architects taking bids due June 26th. Wm. R. Dougherty, 1610 Sansom street, and F. A. Havens & Co., 845 North Nineteenth street, are figuring.

**Store and Dwelling**, Venango and Watt streets, Philadelphia. Architect, private plans. Owner, William Blewitt, 1336 Venango street, Philadelphia. Brick, 2 stories, 25x50 feet, slag roof, pine floors, stone foundations, hot water heat, electric light, tile work, metal lath, iron work. Owner taking bids due June 25th. Raith Const. Co., 304 Master street, is figuring.

**Factory (alts.)**, 448-52 York avenue, Phila-

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delphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, Walter P. Miller Co., Inc., on premises. Steam heat, electric work and plumbing. Architects taking bids due June 26th.

**Bank Building (int. alts.)**, Stephen Girard Building, Philadelphia. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owner, Continental-Equitable Title & Trust Co., Stephen Girard Building. Interior alterations, tile and marble work, cabinet work, painting. Architect taking bids due June 26th at noon.

**Building**, 957 North Franklin street, Philadelphia. Architect, Andrew J. Sauer & Co., 908 Chestnut street, Philadelphia. Owner, Uptown Ladies' Home for the Aged, 957 North Franklin street. Reinforced concrete, 3 stories and basement, 50x81 feet, slag roof, maple floors, stone foundations, hot water heat, electric light. Plans in progress. Will be ready for bids in 2 weeks.

**Dormitory Building**, West Fairmount Park, Philadelphia, \$100,000. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, Philadelphia Country Club, care of C. Berkley Taylor, Land Title Building. Brick, 3 stories, steam heat, electric light, tile and marble work. Plans in progress.

**Penn Treaty Recreation Pier**, No. 57 North Wharves, Philadelphia. Architect, private plans. Owners, City of Philadelphia, Department of Wharves, Docks and Ferries, Bourse Building. Timber and steel, 1 story, 50x250 feet, asphalt shingle roof, cement floors, wood pile foundation. Lowest bidders, Simpson & Brown, \$52,105.

**Apartment House (alts. and add.)**, 3605 Powelton avenue. Architect, Le Roy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, M. I. Crane, on premises. Brick and stucco,



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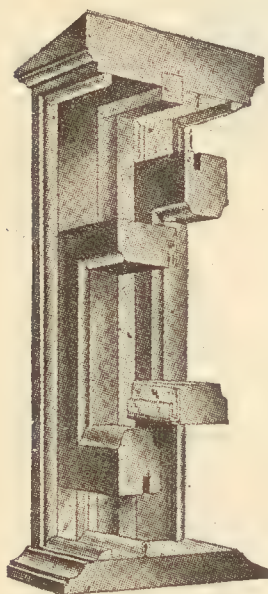
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**Store Building (alts.)**, southwest corner of Broad and Spruce streets. Architect, Le Roy B. Rothschild, 1225 Sansom street, Philadelphia. Owners, Kahn & Greenberg, Morris Building. General interior alterations and exterior changes, tile floors, steam heat, electric light. Architect is ready for bids.

**Sales and Service Building**, 3318 N. Broad street. Architect, Le Roy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, Charles Kahn, Morris Building. Frame, 3 stories, 25x206 feet, slag roof, wood, tile and cement floors, steam heat, electric light, tile work,

metal lath, elevators, galvanized iron skylights. Ready for bids in a few days.

**Chapel of Our Lady of Peace**, southeast corner of Corinthian and Girard avenues. Architects, Ballinger & Perrot, Seventeenth and Arch streets. Owner, Franciscan Monastery of St. Clare, on premises. Stone, brick and steel, 2 stories, 31x100 feet, slag roof, pine floors, stone foundation, tile and marble work, metal lath, iron work (heat reserved). Architects taking bids, due July 2nd. Wm. R. Dougherty, 1610 Sansom street; A. R. Raff Const. Co., 1635 Thompson street; Wm. J. McShane, 417 South Thirteenth street; Melody & Keating, 1322 Race street; J. Sims Wilson Co., 1125 Brown street, and Ketcham and McQuade, 1029 Brown street, are figuring.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Manufacturing Building**, Northeast Corner Fifteenth and Mt. Vernon streets, \$175,000. Architect, LeRoy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, J. C. Kahn, Morris Building, Philadelphia. Concrete and steel, 7 stories, 100x142 feet, slag roof, cement floors, stone and concrete foundations, steam heat, electric light, marble work, rolled steel sash, hollow metal skylights, roof ventilators, (2) elevators, pumps and sprinklers. Contract awarded to Wark & Co., 1737 Filbert street, Philadelphia.

**Warehouse**, 117-119 North Tenth street, \$55,000. Architects, Peuckert & Wunder, 310 Chestnut street. Owner, Snyder & Co., 134 North Tenth street, Philadelphia. Brick, steel, concrete, tapestry brick, cut stone and terra cotta, 5 stories and basement, 31x104 feet, slag roof, oak and maple floors, metal lath, elevators, steam heat, electric light, tile work, H. M. sash, etc. Contract awarded to Wm. R. Graham, 3649 Filbert street, Philadelphia.

**Factory (add.)**, Southwest corner Sixth and Tabor road, Philadelphia, \$51,000. Architect, private plans. Owner, Philadelphia Textile Machine Co., on premises. Reinforced con-

crete, 1 story, 75x240 feet, slag roof, steam heat, electric light. Contract awarded to Hennebeque Const. Co., 1170 Broadway, New York.

**Store**, Maplewood avenue, West of Germantown avenue, Philadelphia, \$15,000. Architect, private plans. Owner, Henry W. Pletcher, 5604 Germantown avenue, Philadelphia. Brick, 3 stories, 58½x137 feet and 26 feet 3 inches, slag roof, steam heat, electric light. Contract awarded to Wm. Steele & Sons Co., 1600 Arch street.

**Garage**, Conestoga street, North of Media street, Philadelphia, \$8,500. Architect, private plans. Owner, Jos. Dambacher, Jr., 1514 North Fifty-fourth street. Brick, 1 story, 75x19 feet, 28x18 feet, 86 feet 8 inches x19 feet, slag roof. Contract awarded to Wm. J. Reiner, 1551 North Sixtieth street, Philadelphia.

**Apartment House (alt. and add.)**, 3501 Powelton avenue, \$10,500. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Bernath Markovitz, 321 Market street, Philadelphia. Brick, 3 stories, stone foundations, iron work (heating, hardwood floors and lighting reserved). Contract awarded to F.

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**Buildings**, Nos. 6, 7, 8 and 9, Girard College, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owner, Girard College, Philadelphia. Repairing, asphalt floors, tile work, concrete, mill work, plumbing, iron fence, fence 176 feet long. Contract awarded to F. A. Havens & Co., 845 North Nineteenth street, Philadelphia.

**Residences and Garages (9)**, Sixty-ninth avenue and Broad street, Philadelphia, \$97,600. Owner, Foster & Fleishman, 1418 Sixty-ninth avenue, Philadelphia. Brick, 2 stories, 16x54 feet, 1 story, 16x19 feet, slag roof, hot water heating, electric lighting, oak and cement floors. Owner will build.

**Dwellings (25)**, 5901 to 5949 Nassau street, \$153,500. Owner, Charles W. Ferguson, 5913 Walton avenue. Brick, 2 stories, 16x48 feet, 16x30 feet, 12x16 feet, slag roof, slate roof, hot water heat. Owner will build.

**Sub-Basement and Basement**, Philadelphia Art Museum, Parkway, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Commissioners of Fairmount Park, 127 City Hall. Concrete and steel, 500 feet long, excavation, grading, concrete and steel. Contract awarded to F. W. Mark Cont. Co., Commonwealth Building.

**Power House**, Meadow and Mifflin streets, Philadelphia. Architect, private plans. Owner, Niles, Bement Pond Co., on premises. Brick and concrete, 1 story, 40x60 feet, slag roof, concrete foundations, rolled steel sash, roof ventilators (flooring reserved). Contract awarded to Standard Const. Co., 1713 Sansom street.

**Residence and Garage**, Seminole avenue, St. Martins, Philadelphia. Architect, L. V. Boyd, Harrison Building, Philadelphia. Owner, Grace M. Oelbermann, St. Martins, Philadelphia. Stone, 2½ stories, 30x52 feet, and 1 story, 22x22 feet, shingle roof, stone foundations, hot water heat, electric light, tile work, oak floors, cement work. Contract awarded to Charles Johnston, 5701 Boyer street, Germantown.

**Garage**, 3237 Lee street, Philadelphia, \$12,500. Architect, private plans. Owner, M. Duffy, 2247 North Front street, Philadelphia. Brick, 1 story, 60x190 feet, slag roof, electric light. Contract awarded to John Mortimer, 3385 Emerald street.

**Garage**, 2508 East Cumberland street, Philadelphia, \$3,500. Architect, private plans. Owner, William J. Brady, 2508 East Cumberland street, Philadelphia. Brick, 1 story, 54x76 feet, electric light, slag roof. Contract awarded to John Mortimer, 3385 Emerald street.

**Garage**, 134-154 North Twenty-second street, Philadelphia, \$20,000. Architect, private plans. Owner, W. Bruce Barrow, 130 North Twelfth street, Philadelphia. Brick,

1 story, 92½x90 feet, 75½x34 feet, slag roof, hot water heat, electric light, cement floors. Contract awarded to Frank I. Wintz, 1618 North Twenty-seventh street, Philadelphia.

**Factory (fire repairs)**, 347 North Second street, Philadelphia. Architect, private plans. Owner, Marcus Stern & Co., on premises. General alterations and repairs for restoration of entire building. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

**Store and Dwelling (alt. and add.)**, 256 South Fifty-second street, Philadelphia, \$5,000. Architect, private plans. Owner, Penzer & Zeppin, on premises. Brick, 2 stories, 31½x25 feet, 16x10 feet, 16x10 feet 2 inches, slag roof, electric light. Contract awarded to L. Swerdloff, 228 South Fifty-ninth street, Philadelphia.

**Stores and Dwellings (4) (alt. and add.)**, 6308-14 Woodland avenue, \$16,000. Architect, private plans. Owner, Kam Ellis, 329 Pine street, Philadelphia. Brick, 2 stories, 21x20 feet, electric light. Contract awarded to Stackhouse & Little, 6070 Reinhardt street.

**Dwellings (2)**, North side Magee street, East of Bingham street, \$7,200. Architect, private plans. Owner, Gustave Doebecker, on premises. Brick, 2 stories, 14 feet 4 inches x40 feet, slag roof, electric light. Contract awarded to M. Stevens, 926 St. Vincent street, Philadelphia.

**Dwelling**, Chew street, South of Mt. Pleasant avenue, \$15,000. Architect, private plans. Owner, Douglas W. Bond, 325 High street, Germantown, Philadelphia. Brick, 3 stories, 27x47 feet, slate roof, hot water heat, electric light, oak floors. Contract awarded to Eugene Tourison, 1011 Chestnut street.

**Dwellings (2)**, Pilling street, West of Arrott street, \$14,500. Architect, private plans. Owner, Newton W. Holden, 4325 Frankford avenue, Philadelphia. Brick, 3 stories, 16½x46 feet, slag roof, hot water heat, electric lighting. Contract awarded to Geo. R. Osborne, 5017 Duffield street.

**Garage**, Oak Lane avenue, East of Thirteenth street, Philadelphia, \$10,000. Architect, private plans. Owner, Thomas Benard, Thirteenth and Oak Lane avenue. Brick, 1 story, 72x88 feet, slag roof, cement floor, electric lighting. Contract awarded to P. A. Waltz, 6610 North Seventh street, Philadelphia.

**Garage**, Northwest corner Walnut lane and Houghten street, \$2,000. Architect, private plans. Owner, Siegmund J. Propper, 417 Green lane, Philadelphia. Stone, 1 story, 22x25 feet, electric light. Contract awarded to Wm. H. Eddleman & Son, 453 Green lane.

**Dwelling**, Walnut lane and Houghton street, Philadelphia, \$18,000. Architect, private plans. Owner, Siegmund J. Propper, 417 Green lane, Philadelphia. Stone, 3 stories, 44½x28 feet 4 inches, 28 feet 8 inches x14 feet 4 inches, electric light, hot water heat. Con-

tract awarded to Wm. H. Eddleman & Son, Green lane.

**Garage**, 2423 Mascher street, Philadelphia, \$6,000. Owner, Frank Rafferty, 2430 Mascher street, Philadelphia. Brick, 1 story, 36x90 feet, slag roof, electric light. Contract awarded to Charles Carr, 1841 Ginnado street, Philadelphia.

**Store, Office and Shop (add.)**, Tabor road, East of Mascher street, Philadelphia, \$4,600. Owner, M. L. Bastian, 5400 Westford road, Philadelphia. Brick, 1 story, 40x20 feet, 23x60 feet, slag roof, electric light. Contract awarded to Wm. H. Niboner, 5248 Mascher street, Philadelphia.

**Building (alts.)**, 512 Market street, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owners, Moskovitz & Herback, on premises. Fire-proof shaft, metal sash and shutters, new floors, cement work. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

**Store (alts.)**, 1007-9-11 Market street, Philadelphia, \$20,000. Architects, Durham Bros., 26 South Fifteenth street, Philadelphia. Owner, Estate of John Dobson, 809 Chestnut st., Philadelphia. Fire tower, brick, 7 stories, mill work, electric work and plastering. Contract awarded to E. & C. Keefer & Son, 1321 Rodman street.

**Warehouse**, Ludlow street, east of Millick street, Philadelphia, \$6,000. Architect, private plans. Owner, A. J. Taylor, 6012 Market st., Philadelphia. Brick, 2 stories, 18x46 feet. Contract awarded to H. A. Parson, 6006 Market street, Philadelphia.

**Factory**, 623 Callowhill street, Philadelphia, \$5,500. Architect, private plans. Owners, Hance Bros. & White, Sixth and Callowhill streets, Philadelphia. Fire repairs, 4 stories, slag roof, maple floors, plastering, cement and mill work. Contract awarded to Charles Gilpin, Harrison Building, Philadelphia.

**Store and Dwelling (add. and alts.)**, Front and Susquehanna avenue, \$4,500. Architect, private plans. Owner, M. Merz, on premises. Brick, 1 story, 18x10 feet, electric light, pine floors. Contract awarded to Thos. Matthews, 2336 North Hancock street, Philadelphia.

**Garage**, 319 Gowen avenue, Philadelphia, \$2,340. Architect, private plans. Owner, F. T. Jennings, on premises. Brick, 1 story, 22x20 feet, electric light, cement floors. Contract awarded to Grover C. Krewson, 230 Oakdale street, Philadelphia.

**Dwelling (alts.) to Store and Storage**, 118 Pine street, Philadelphia, \$4,000. Architect, private plans. Owners, J. Lukarsky & L. Medvine, on premises. Electric light, steam heat, yellow pine floors. Contract awarded to Mike Cylinder, 521 Mifflin street, Philadelphia.

**Rectory**, Westmoreland and G streets, Philadelphia. Architect, Paul J. Henon, Jr., 10



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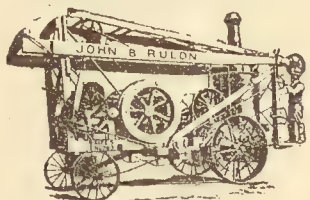
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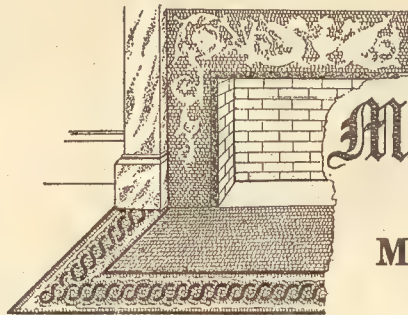
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South Eighteenth street, Philadelphia. Owner, R. C. Church of the Ascension of Our Lord, care of Rev. Denis J. Broughal, on premises. Stone and steel, 3 stories, 88x40 feet, stone foundations, tile and slag roof, oak floors, metal lath, rolled steel skylights, ornamental iron work (plumbing, heating and electric work reserved). Contract awarded to Wm. R. Dougherty, 1610 Sansom street.

Storage and Loading Building, Tioga and Belgrade streets, \$6,500. Architects, Tunis & Genther, Real Estate Trust Building, Philadelphia. Owner, Wm. T. Gould, 814 Belgrade

street, Philadelphia. Concrete, 2 stories, 48x80 feet, electric light, metal lath, rolled steel sash, dampproofing (iron work, concrete foundation heat and roof reserved). Contract awarded to Ferdinando Pezzello, 3347 Almond street.

Store Building (alts.), 308 Market street, Philadelphia, \$5,300. Architect, private plans. Owner, John L. Steele, Sixteenth and Arch streets, Philadelphia. General interior alterations, vapor heating, pine floors. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

## PENNSYLVANIA Construction News

Theatre Building, Allentown, Pa. Architects, Hoffman, Henon, Inc., Finance Building, Philadelphia. Owners, Wilmer & Vincent Theatre Co., 33 West Forty-second street, New York City. Brick, 3 stories, 120x150 feet, slag roof, pine floors, metal lath, stone foundations, hot water heat, electric light, tile and marble work, terrazzo work. Architects have received revised bids.

Moving Picture Theatre (add.), Front and Green streets, Reading, Pa. Architect, Calvin Young, 520 Washington street, Reading, Pa. Owner, Howard Wientz, on premises. 1 story, pine floors, electric light. Owner will sub-let.

Residence and Garage, Sunnyside and Reading avenue, Wyomissing, Pa. Architect, H. Maurer, Mt. Penn street, Reading, Pa. Owner, H. O. Koller, Reading, Pa. Stucco, 2½ stories, brick foundations, shingle roof, hardwood floors, vacuum heat, electric light, tile work, iron work. Architect taking bids due June 30th. Beard Const. Co., Reading, Pa., are figuring.

Residence (alt.), Spring road, Reading, Pa. Architect, Muhlenberg Bros., 511 Penn street, Reading, Pa. Owner, Wellington & Beatolon, Bear Building, Reading, Pa. General interior alterations, tile work. Architect is taking bids. H. G. Randenbush and George Derr, Reading, Pa., are figuring.

Church, Sunday School and Parsonage, Juniata, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, St. John's Lutheran Church, care of Rev. E. R. Hauser, on premises. Brick and Indiana limestone, 1 story and basement, 76x79 feet, parsonage, 2½ stories, 26x38 feet, concrete foundations, slate roof, yellow pine floors, vapor heat, electric light. Architect taking bids due July 1st. J. W. Orner, 2412 Union avenue, Altoona; J. B. Fleeke & Son, 2605 Beale avenue, Altoona; J. E. Orr, Seventh street, Altoona, and R. D. Elder, Juniata, Pa., are figuring.

Church and Sunday School, Berwick and Seitz avenue, Easton, Pa. Architect, George E. Savage, 1321 Walnut street, Philadelphia. Owner, Second Methodist Episcopal Church, Rev. Charles Roades, Easton, Pa. Stone, 2 stories, 90x110 feet, slate roof, oak floors, steam heat, electric light. Plans in progress.

Road Work, various locations, Penna. Owners, State Highway Department, Lewis E. Sadler, Harrisburg, Pa. Vitrified brick and concrete. Owners taking bids due July 8th.

Residence and Garage, Drexel Hill, Pa. Architects, MacKenzie & Wiley, 806 Liberty Building, Philadelphia. Owner, Theo. C. Smith, Drexel Hill, Pa. Frame and stucco, 1 and 2 stories, 36x23 feet, garage 19x21 feet, shingle roof, oak and cement floors, stone foundations, hot water heat, electric light, tile and marble work. Architects taking bids due as soon as possible. Bowden Const. Co., 1713 Sansom street, and Harry W. Koch, Drexel Hill, Pa., are figuring.

Residence (alt. and add.), Jenkintown, Pa. Architect, Charles Barton Keen, 1218 Chestnut street, Philadelphia. Owner, B. Fortner, Jenkintown, Pa. Hollow tile and plaster, 2½ stories, 19x16 feet, stone foundations, shingle roof, oak and yellow pine floors, hollow tile, metal lath, tile work, waterproofing. Architect taking bids due June 27th. Samuel Harting, 22 Harvey street; F. L. Hoover & Son, 1023 Cherry street; Wills-Ludwick Co., 1708 Sansom street; Specht & Sperry, Heed Building; E. Allen Reeves, Abington, Pa., and W. J. Stevens, Wyncote, Pa., are figuring.

Residence (alt. and add.), Wallingford, Pa. Architect, Frank E. Newman, 1123 Broadway, New York City. Owner, Eugene F. Caldwell, Wallingford, Pa. Stone and frame, 2½ stories, 24x30 feet add., shingle roof, pine floors, stone foundations, hot water heat, electric light, tile and marble work. Architect taking bids. Wm. R. Graham, 3649 Walnut street, is figuring.

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**Store (alts.), Jenkintown, Pa.** Architect, Albert F. Schenk, Real Estate Trust Building, Philadelphia. Owner, name withheld. Brick, 1 or 2 stories, 60x90 feet, slag roof, pine floors, hot water and hot air heat. Plans in progress.

**Residence, Bala, Pa.** Architect, Harry Gordon McMurtrie, 1012 Walnut street, Philadelphia. Owner, George Scott, Maple avenue, Bala, Pa. Stone, 2½ stories, 25x40 feet, shingle roof, oak floors, hot water heating, electric light, tile work. Owner is ready for sub-bids.

**Residence, Wyncote, Pa.** Architect, Edward Hoffman, 1627 Sansom street, Philadelphia. Owner, James Smith, Glenside and Manor avenue. Plaster and stone, 2½ stories, 22x33 feet, shingle roof, oak floors, iron work (heating and electric light reserved). Architect taking bids due June 28th at 10 A. M. Wm. R. Dougherty, 1610 Sansom street; Specht & Sperry, Heed Building; John Hauser, Glenside, Pa.; Harry W. Murphy, Willow Grove, Pa.; E. D. Lever, Abington, Pa., and E. Allen Reeves, Abington, Pa., are figuring.

**Factory and Office, Ninth and Harrison streets, Allentown, Pa.** Architect, private plans. Owner, International Motor Co., Race street, Allentown, Pa. Brick and steel, 1 and 2 stories, 300x600 feet, concrete and maple floors, hot water heat, electric light. Plans in progress.

**Residence, West Bethlehem, Pa., \$9,000.** Architect, J. M. Green, Jr., Bethlehem Trust Building, Bethlehem, Pa. Owner, name withheld. Frame, 2 stories, 42x42 feet, concrete block foundations, tile roof, hardwood floors, vacuum heat, electric light, tile and marble work. Plans in progress.

**Store and Apartment (alt. and add.), North Bethlehem, Pa.** Architect, J. M. Green, Jr., Bethlehem Trust Building, Bethlehem, Pa. Owner, name withheld, care of architect. Brick, 1 story, general interior alterations, hardwood floors, hot water heat, tile work. Plans in progress.

**Residence (alt. and add.), Tenth and Prospect streets, Bethlehem, Pa.** Architect, C. F. Spangenberg, 504 Broadway, South Bethlehem, Pa. Owner, S. L. Caum, 905 Prospect street, South Bethlehem, Pa. Frame, general interior alterations. Plans in progress.

**Store Front, Allentown, Pa.** Architect, David Levy, 938 Hamilton street, Allentown, Pa. Owner, care of architect. Metal store front const., plate glass, enamel work, electric light, marble and terrazzo work. Plans in progress. Architect will take bids in ten days.

**Residence (alt.) to Apartment, Allentown, Pa.** Architect, David Levy, 938 Hamilton street, Allentown, Pa. Owner, care of architect. 3 stories, general interior alterations, plumbing, vapor heat, electric light, tile work, electric wiring. Plans in progress. Architect will be ready for bids in one week.

**Garage, West Fairview street, Allentown, Pa.** Architect, Ruhe & Lange, Allentown, Pa. Owner, Traylor Truck Co., care of F. Farrell, Hotel Taylor, Allentown. Brick and

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steel, 2 stories, 150x200 feet. Owners will take sub-bids.

**Garage and Store, Fourth and Broadway, Bethlehem, Pa.** Architect, C. F. Spangenberg, 504 Broadway, Bethlehem, Pa. Owner, Gould Motor Co., South Bethlehem, Pa. Fireproof, 1 story, 50x90 feet, slag roof, concrete and maple floors, steam heat, electric light, steel work, metal store front, gasoline storage system. Owner taking general bids.

**Farm Group, north of Bethlehem, Pa., \$50,000.** Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, J. E. Matthews, care of architect. Reinforced concrete, 2½ stories, 100x145 feet, slate roof, reinforced concrete floors, electric light, metal lath, barn equipment. Plans in progress. F. B. Glassmeir, Bethlehem, will build.

**Silk Mill, Bethlehem, Pa., \$70,000.** Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, Gallia Silk Mfg. Co., South Side, Bethlehem, Pa. Brick and mill construction, 3 stories, 50x200 feet, slag roof, wood floors, steam heat, electric light, rolled steel sash, rolled steel skylights, fire doors, elevators, roof ventilators, metal window guards. Plans in progress. L. O. Gramley, North Side, Bethlehem, will build.

**Residence and Garage, Drexel Hill, Pa.** Architect, private plans. Owner, J. W. May, 5937 Christian street, Philadelphia. Stucco, 2 and 1 stories, 25½x38 feet, 11x17 feet, shingle roof, oak and pine floors (electric light reserved), stone foundations, hot water heat, tile and marble work. Owner taking revised bid from Bowden Const. Co., 1713 Sansom street, Philadelphia, due as soon as possible.

**Gymnasium, Easton, Pa., \$250,000.** Architect, not selected. Owner, Lafayette College, Easton, Pa., care of Dr. J. G. Bech, Chamber of Commerce, Harrisburg, Pa. Work contemplated.

**Apartment and Drug Store, Fourth and New streets, Bethlehem, Pa.** Architect, C. F. Spangenberg, 504 Broadway, Bethlehem, Pa. Owner, G. F. Metzgar, 14 East Goepp street, Bethlehem, Pa. Brick and stone, 4 stories, 40x60 feet, stone foundations, slag roof, composition and yellow pine floors, electric light, terrazzo work, elevators, hollow metal skylight. Architect will take bids June 21, due July 3rd.

**Silk Mill, Easton, Pa.** Architect, A. D. Chidsey, Jr., United Cigar Store, Easton, Pa. Owner, Alshuder Bros., Paterson, N. J. Mill construction, 1 story, 60x135 feet, slag roof,

steam heat, electric light. Plans in progress. Architect ready for bids.

**Silk Mill (alt. and add.), Catasauqua, Pa.** Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owner, Wahnetah Company, Catasauqua, Pa. Brick, 1 story over present building, 35x100 feet, steel beams and mill construction, lowering basement for lunch rooms and hospital. Architect has received bids.

**Shoe Factory and Office Building, Eighth and Harrison streets, Allentown, Pa., \$80,000.** Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owner, Haas & Berger Co., 20 South Halls street, Allentown, Pa. Brick, 4 stories, 189x45 feet, concrete foundations, concrete and maple floors, electric light, office building outside. Architect taking bids due July 1st. Ochs Const. Co., Wm. H. Gangmire, 206 A. N. B. Building; Butz & Clader, Ainey Building; E. Peters, 211 South Franklin street; Ritter & Smith, Jefferson and Gordon street; T. H. Moyer, 824 Hamilton street; Schaeffer & Laudenslayer, Allentown, Pa., and Robert Rathburn, Bethlehem, Pa.; Beard Construction Co., Reading, Pa., are figuring.

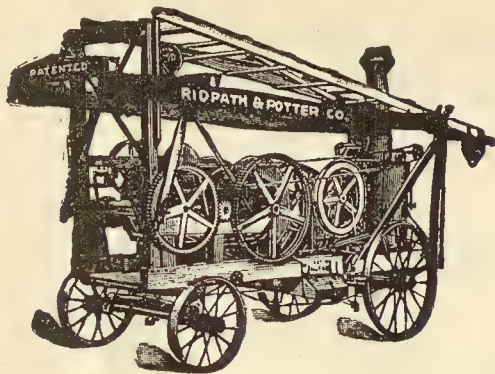
**Road Work, Penna.** Low bidders: Chester County, Oxford Borough, Route 31, 2,932 feet bituminous surface on concrete, Juniata Co., Empire Building, Philadelphia, \$21,601.50. Cumberland County, Upper Allen Township, Route 123, 24,275 feet reinforced concrete and Hillside vitrified brick, Langhorne Co., Inc., Riverside Drive and 106th street, New York, \$181,604.95. York County, Carroll and Franklin Townships, Route 123, 40,792 feet bituminous surface on concrete foundation and Hillside vitrified brick on reinforced concrete, Langhorne Co., Inc., Riverside Drive and 106th street, New York City, \$297,908. Lancaster County, East and West Hempfield Townships, Route 129, 37,684 feet bituminous surface on concrete, Freeland Const. Co., Freeland, Pa., \$247,272.96.

**Residence, Drexel Hill, Pa.** Architects, Seeburger & Rabenold, Weightman Building, Philadelphia. Owner, name withheld. Frame, 2 stories, 25x40 feet, shingle roof, stone foundations, hot water heat, electric light, tile work (electric work, hardware and flooring reserved). Architects taking bids due June 25th. Wm. R. Graham, 3649 Filbert street; Bowden Const. Co., 1713 Sansom street; J. Howard Roberts, Lansdowne, Pa., are figuring.

**Residence, Elkins Park, Pa.** Architect, H. Rex Stackhouse, 129 South Fifth street, Phil-

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adelphia. Owner, F. Palin Spruance, Elkins Park, Pa. Stone, 2½ stories, 30x50 feet, wing 20x25 feet, slate roof, oak floors, hot water heat, electric lighting, tile and marble work. Architect taking bids due June 26th. A. R. Raff Cont. Co., 1635 Thompson street; E. D. Lever, Abington, Pa.; E. Allen Reeves, Abington, Pa., and W. John Stevens, Inc., Wyncote, Pa., are figuring.

**Residence and Garage**, Downingtown, Pa., No. 411. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, A. F. Huston, Graystone, Downingtown, Pa. Stone, hollow tile and plaster, 2½ stories, 30x113 feet, garage, 2 stories, 25x70 feet, slate roof, oak and cement floors, stone foundations, hot air heat, electric light, tile and marble work. Architects taking bids.

**School**, Downingtown, Pa. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owners, Friends' School, care of J. G. McIlvain, Fifty-eighth and Woodland avenue, Philadelphia, Pa. Frame, 1 story, 38x40 feet, slate roof, stone foundations, hot water heat, electric lighting, wood floors. Architect has received bids.

**Residence (alt. and add.)**, Ardmore, Pa. Architect, McIlvain & Roberts, Otis Building, Philadelphia. Owner, Benjamin Bullock, Ardmore, Pa. Frame, 1 story, 21x23 feet, shingle roof, tile floors, stone foundations, steam heat, electric light, tile work. Architects have received bids.

**Residence (alts.)**, Merion, Pa. Architects, D. K. Boyd, V. B. Abel and F. A. Gugert, Sixteenth and Sansom streets. Owner, Wm. H. Folwell, Merion, Pa. General alterations, 1½ stories, tile roof, electric lighting, iron

work. Architects taking bid from E. J. Hedden, Finance Building.

**Memorial Hall**, Pottstown, Pa. Architects, Hewitt & Ash, Bullitt Building, Philadelphia. Owner, Hill School, Pottstown, Pa. Stone, 2 stories, 50x120 feet, electric lighting, steam heat. Plans in progress.

**Residence and Garage**, Drexel Hill, Pa. Architects, MacKenzie & Wiley, Liberty Building, Philadelphia. Owner, Theodore Smith, Drexel Hill, Pa. Stone and plaster, 2½ stories, 26x40 feet, and 1 story, 20x21 feet, shingle roof, cement and oak floors, hot water heating, electric light, tile work. Architects taking bids, due as soon as possible. Bowden Const. Co., 1713 Sansom street, and Drexel Hill Const. Co., Drexel Hill, Pa., are figuring.

**Residence**, Drexel Hill, Pa. Architects, MacKenzie & Wiley, Liberty Building, Philadelphia. Owner, Joseph H. Wiley, Liberty Building, Philadelphia. Hollow tile and plaster, 2½ stories, 26x38 feet, slate roof, oak floors, hot water or vapor heat, electric light, tile work. Owner is taking sub-bids.

**Residence**, Elkins Park, Pa. Architect, Paul A. Kamper, Widener Building, Philadelphia. Owner, Clarence A. Spalding, Glendolen, Pa. Frame, 2 stories, 24x36 feet, asbestos shingle roof, pine floors, stone foundation, hot air heat, electric light. Architect taking sub-bids.

**Garage**, Stenton, Pa. Architects, Druckenmiller & Williams, 1527 Chestnut street, Philadelphia. Owner's name withheld. Stone, 1½ stories, 26x35 feet, slate roof, cement floors, hot water heat, electric lighting. Plans in progress.

**Residence**, Cynwyd, Pa. Architects, H. Rex Stackhouse & Harry Parker, 129 South Fifth street, Philadelphia. Stone, 2½ stories, 28x60 feet, slate roof, oak floors, hot water heat,

**Residence and Garage**, Latham Park, Pa. Architect, Conrad F. Neff, Otis Building, Philadelphia. Owner, John D. Williamson, Ogontz, Pa. Stone, 2½ stories, 35x70 feet, and 2 stories, 33x23 feet, slate roof, cement and oak floors, tile and marble work (electric work, heat and plumbing reserved). Contract awarded to William J. Gruhler & Co., 219 East High street, Germantown.

**Primary School (add.)**, Wayne, Pa. Architects, D. K. Boyd, V. Abel and F. Gugert, Otis Building, Philadelphia. Owner, School District of Radnor Township, care of Dr. Joseph C. Egbert, Wayne, Pa. Brick, granite and concrete, 2 stories, (2) wings, 35x47 feet,

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electric light, tile and marble work. Plans in progress. Architects will be ready for bids in ten days.

**Residences (2)**, Highland Park, Pa., \$10,000 each. Architect, Paul A. Kamper, Widener Building, Philadelphia. Owners, Henning & Stockbine, care of architect. Frame, 2½ stories, 25x40 feet, shingle roof, pine floors, stone foundations, pipeless heaters, electric lighting, pine floors. Architect taking sub-bids.

**Residence**, Springfield, Pa. Architect, Paul A. Kamper, 424 Widener Building, Philadelphia. Owner, Mrs. Reba Johnson, 1205 North Sixtieth street. Stone, 1½ stories, 30x43 feet, shingle roof, pine floors, stone foundation, hot water heat, electric light. Architect taking sub-bids.

**Residence**, Springfield, Pa. Architect, Paul A. Kamper, Widener Building, Philadelphia. Owner, R. H. Cavender, care of architect. Stone, 2½ stories, 30x35 feet, asbestos shingle roof, oak floors, stone foundations, hot water heat, electric light. Architect taking sub-bids.

**Residence**, Springfield, Pa. Architect, Paul A. Kamper, Widener Building, Philadelphia. Owner, Mrs. Elizabeth R. Stevens, care of architect. Frame, 1½ stories, 26x30 feet, shingle roof, pine floors, stone foundations, hot air heat, electric light. Architect taking sub-bids.

**Weaving Building**, Carlisle, Pa. Architects, Lockwood & Greene Co., 101 Park avenue, New York City. Owners, C. H. Masland & Son, Carlisle, Pa. Brick and siding and steel, 1 story, 20x47 feet, slag roof, concrete floor, concrete foundations, kalamein sash, rolled steel skylights, fire doors, roof ventilators, iron work. Owners taking bids, due June 27th. Warren-Moore Co., Colonial Trust Building, figuring.

## PENNSYLVANIA

## Contracts Awarded

slate roof. Contract awarded to J. D. Lengel, Wayne, Pa.

**Residence**, Kennett Square, Pa. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, John H. Voorhees, Kennett Square, Pa. Stone, 2½ stories, 30x43 feet, shingle roof, oak floors, hot water heating, electric lighting, tile work, stone foundations. Contract awarded to Thomas F. Grady, Kennett Square, Pa.

**Garage**, Easton, Pa. Architect, A. D. Childsey, Easton, Pa. Owner, John Newmeyer, Easton, Pa. Concrete, 1 story and basement, 97x137 feet, concrete roof and floors, steam heat, electric light. Contract awarded to

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Woods, Anderson & Hodgkiss, New York City.

**House**, Easton, Pa. Architect, A. D. Childsey, Jr., Easton, Pa. Owner, G. S. Brown, Easton, Pa. Brick and stucco, 2½ stories, 40x60 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Contract awarded to Wm. Snyder, Easton, Pa.

**Office Building (add.)**, Race and Court streets, Allentown, Pa., \$10,000. Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owner, Phoenix Silk Mfg. Co., care of A. Sololiae, on premises. Brick, 1

story, 32x80 feet, mill construction, electric light. Contract awarded to Ochs Const. Co., Allentown, Pa.

**Residence (alts. and add.)**, St. Davids, Pa., \$14,000. Architect, James Purdon, Boston, Mass. Owner, Nathan Hayward, St. Davids, Pa. Hollow tile and plaster, 2½ stories, 9x30 feet, 15x17 feet, tile roof, pine floors, stone foundation, hot water heat, electric light, tile work. Contract awarded to Pomeroy Const. Co., 1609 Ranstead street, Philadelphia, who is taking sub-bids.

Owner, I. Elmer Perry, Wilmington, Del. Brick, 2 stories, 36x36 feet, slate roof, pine floors, pipeless heat, electric light. Owner will build.

## Delaware

### Contracts Awarded

**Moose Hall (alt. and add.)**, Seventh and French streets, Wilmington, Del. Architect, J. D. Thompson, Ford Building, Wilmington, Del. Owner, Order of Moose, on premises. Brick, 2 stories, 30x80 feet, stone foundations, tin roof, hardwood floors, electric light, general interior alterations. Contract awarded to Fred Wickstrom, 2700 West street, Wilmington, Del.

**Residence (add.) and Garage**, 1506 West Broome street, Wilmington, Del., \$5,500. Architect, private plans. Owner, Judge Morris, Wilmington, Del. Brick, 16x20 feet. Contract awarded to F. Wickstrom, 2700 West street, Wilmington, Del.

**Factory (add.)**, Adams and Chestnut streets, Wilmington, Del., \$50,000. Architects, Brown & Whiteside, DuPont Building, Wilmington, Del. Owner, Blumenthal & Co., Wilmington, Del. Brick, 75x87 feet, slag roof, electric light. Contract awarded to W. J. Thomp, 3102 Market street, Wilmington, Del.

**Factory (add.)**, Third and Spruce streets, Wilmington, Del., \$6,000. Architect, private plans. Owner, Speakman Co., Wilmington, Del. Brick, 21x141 feet, steam heat, electric light. Contract awarded to J. E. Healy & Son, 707 Tatnall street, Wilmington, Del.

**Church and Parish House (alts. and add.) and New Rectory**, Wilmington, Del. Architects, Zantzinger, Borie & Medary, Otis Building, Philadelphia. Owner, St. John's Episcopal Church, Wilmington, Del. Stone. Rectory, 3 stories, 35x65 feet, slate roof, oak floors, concrete foundations, vapor heat, electric light, marble work, rolled steel sash, kalamein doors, metal lath, dampproofing, structural steel and iron work. Contract awarded to Wm. R. Dougherty, 1610 Sansom street, Philadelphia, Pa.

## Miscellaneous

### Construction News

**Residence**, Greensboro, N. C. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, G. G. Wright, Greensboro, N. C. Hollow tile and plaster, 2½ stories, 44x54 feet, wing 18x30 feet, shingle roof, oak floors, vapor heat, tile and marble work. Plans in progress.

**Factory Buildings, Power Plant and House**, Fayetteville, N. C. Architect, private plans. Owners, Jackson Bros. & Co., Fayetteville, N. C. Brick, concrete and frame, 1 and 2 stories, 250x250 feet, wings 64x70 feet and 100x100 feet, built up roof, concrete floors, concrete foundations. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

**Bank Building**, Lockport, N. Y., \$200,000. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owner, National Exchange Bank of Lockport, Lockport, N. Y. Granite or marble, 1 story, 50x60 feet, slag roof, tile, marble and bronze work. Plans in progress.

## NEW JERSEY

### Construction News

**Fire House**, Camden, N. J. Architect, Wm. H. Day, City Hall, Camden, N. J. Owner, City of Camden, care of George Bender, Chief Fire Commission, City Hall. Brick and terra cotta, 2 stories, 48x70 feet, slag roof, cement floors, steam heat, electric light, iron work (heating, plumbing and electric work reserved). Architect taking revised bids due June 26th.

**Jail and Warden's House**, Toms River, N. J. Architect, T. Stephen, Temple Building, Camden, N. J. Owner, Ocean County Board of Freeholders, Toms River, N. J. Stone, stucco and hollow tile, 2½ and 2 stories, 28x40 feet and 35x36 feet, slag roof, hardwood floors, electric light, steel cells, reinforced ceilings and floors, in jail, roof, ventilators, metal window guards, hollow metal doors, iron stairs. Architect taking bids due July 1st. J. Draper, Camden, N. J.; Fred Lange, Audubon, N. J., and Pauley Jail Building Co., New York City, are figuring.

**House**, West Collingswood, N. J. Architect, Moffett & Truscott, 30 North Third street, Camden, N. J. Owner, name withheld. Stone, 2½ stories, 45x55 feet, stone foundations, slate roof, hardwood floors, electric light, tile work. Building by day.

**School**, Monroeville, N. J. Architect, Moffett & Truscott, 30 North Third street, Camden, N. J. Owner, School Board of Monroeville, N. J. Tile and stucco, 96x48 feet, 40x34 feet, asbestos roof, maple floors, gravity floors. Owner has received bids.

**Club House (add.)**, Absecon, N. J., \$100,000. Architect, Elisha H. Janes, 414 Madison avenue, New York City. Owner, Seaview Golf Club, care of C. H. Giest, Land Title Building, Philadelphia. Owners taking bids. George A. Fuller Co., Widener Building; H. E. Baton, 1713 Sansom street; Milton W. Young, Overbrook, Pa.; Jacob Myers & Sons Co., Witherspoon Building, Philadelphia, and J. V. Mathis, Atlantic City, N. J., are figuring.

**Academy School**, Glassboro, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owner, School District of Glassboro, Glassboro, N. J. Stone, 2 stories, 71x142 feet, slate roof, concrete and pine floors, marble work, metal lath, roof ventilators, dampproofing, iron work, stone foundation (heating, electric work and plumbing reserved). Owners taking bids due June 30th.

**Roads and Walks**, Spec. 3881, Section Base, Cape May, N. J. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Low bidder, Hugh S. Roberts Co., 1123 Broadway, New York City, \$70,792, 150 days.

**Ball Room and Garage, and alts. to Residence**, Atlantic City, N. J. Architects, Price & McLanahan, Bellevue Court Building, Philadelphia. Owner, Charles K. Smith, Jr., Chelsea and Pacific avenues. Stucco, steel and brick, 2 stories, 35x40 feet, slate roof, cement and maple floors, hollow tile, metal lath, stone foundations, hot water heat, electric light, tile and marble work, rolled steel skylights, waterproofing, iron work. Architects have received bids.

## New Jersey

### Contracts Awarded

**Store (add.)**, Camden, N. J. Architect, Thomas Stephens, Temple Building, Camden, N. J. Owner, Hurley Store, Broadway and Pine streets, Camden, N. J. Brick, 3 stories, 50x57 feet, stone foundations, slag roof, maple floors, electric light, steel beams and columns (heating reserved). Contract awarded to J. W. Draper, Camden, N. J.

**Factory**, Broadway, Camden, N. J. Architect, private plans. Owner, Castle Kid Co., Broadway, Camden, N. J. Slow burning construction, 1 story, 80x100 feet, slag roof, wood floors, hollow metal skylights. Contract awarded to Mockett Const. Co., Camden, N. J.

## Delaware

### Construction News

**Bungalow**, Wilmington, Del. Architect, H. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner, William Fox, Wilmington, Del. Frame, 1 story, 26x44 feet, shingle roof, hardwood floors, electric light. Architect will take bids in about five days.

**Church**, Sixth and Washington streets, Wilmington, Del. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner, Baptist Church, care of architect. Brick, 1 story and basement, 34x55 feet, slate roof, hardwood floors, pipeless heat, electric light. Architect will take bids next week.

**Masonic Hall**, Middletown, Del. Architect, H. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner, care of architect. Brick, 3 stories, 38x72 feet, hardwood floors, electric light, tile work, general interior alterations. Architect will take bids next week.

**Dwelling**, Twenty-ninth and Boulevard, Wilmington, Del., \$9,000. Architect, J. D. Thompson, Ford Building, Wilmington, Del.

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**Marine Barracks**, Spec. 3916, Quantico, Va. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Corrugated metal and steel, 1 story, corrugated metal roof, concrete floors and foundations, roof ventilators, electric light, rolled steel sash. Low bidder, Austin & Co., Bulletin Building, \$262,000.

**Industrial Buildings**, Spec. 3909, Hampton Roads, Va. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Brick, concrete and steel, 1 story and 2 stories, various sizes, 2,000 feet of track, asbestos roof, concrete and wood block floors, hollow tile, elevators, safety treads, roof ventilators, concrete and wood foundations, vacuum heat, electric light, rolled steel sash, steel doors. Low bidder, Boyle Robertson Co., Washington, D. C., \$210,290, 100 days.

### THE HOME OWNER'S INTEREST IN CITY AND TOWN PLANNING AND EXPANSION

(Continued from page 369)

3. Recommended street widths will be indicated.
4. Indication of present public utility and mechanical systems, with graphic presentation of recommended extensions.
5. Storm and sanitary sewer and water supply lines, with location of main trunk line extension, and disposal systems in new territory.
6. Recommended park and boulevard system.
7. Recommended zoning system, with graphic determination of industrial, commercial and residential areas.
8. General location of existing and additional recreational facilities.
9. Present railroad and trolley systems, with recommended extensions and changes, freight and passenger.

In the past, the cities of America, like the well-known Topsy, have "just grown." Our factory sections and business sections have developed at logical points, influenced by traffic conditions, the location of railroads and docks. Residential sections have been developed, many of them where industrial workers are housed, being located near the factories, and having in many cases developed into potential or actual slums.

The location of more attractive residential sections has been influenced by natural conditions and by the extension of lines of transportation. The activities of real estate men and speculative builders have usually influenced the planning of outlying sections of every city. Farms have been cut into lots, and these sub-divisions or allotments have been sold off and built up. Later the growth of the city has brought more congested devel-

opment to a point which includes such sections, and the tying up of poorly planned streets, together with the factors of inadequate street widths, have resulted in bad traffic conditions, irregular lots and unstable real estate values.

Probably the greatest appeal that any particular subject may have is the appeal to the individual taxpayer. For this reason it may be well for us to analyze the various factors which may constitute bad planning in a city and to determine how such factors increase the tax rate and may have an adverse effect on general city prosperity. We may learn from this analysis why it pays the individual property owner or taxpayer to have a good city plan developed for his municipality.

As an example, let us consider the cost of extending highways and streets as the city grows. In practically every city in the United States we find a condition where large sub-divisions have been laid out in the suburban sections of the city. As there was no definite plan to indicate the principal streets in such sub-divisions, street layouts have generally been planned by individual developers and the map has been filed with the city. In accordance with this individual layout, streets have been developed and houses have been constructed in a manner undoubtedly pleasing for the small community or the individual development, but having very little relation to the ultimate growth of the city. As the years pass, the city in extending its streets reaches this developed territory and finds great difficulty in tying up a system of proposed streets.

In order to perfect the street system of the city it is in many cases found necessary to condemn property and to remove or demolish buildings which have already been constructed. Such proceedings represent costs which must be borne by the taxpayer.

The plan for city expansion should, therefore, show the logical extension of highways and street systems in still undeveloped territories surrounding the city. Real estate developers and sub-dividers in taking up new pieces of land can then conform to the general city plan and their streets may be laid out to form a harmonious unit of the city as it may develop through and beyond their property in years to come. In this manner the city may grow along attractive and economical lines without having to meet the difficulty of poorly planned sub-divisions of difficult access.

In the question of sewer and water supply, city planning again shows its

value and money-saving possibilities for the individual taxpayer. The installation of sewer and water systems having a capacity which cannot be extended beyond present or near future demand represents a direct waste and large cost to the city. Through the medium of city planning and general street and highway layout in undeveloped territory may be determined. After this is done, a study of the sewer and water problem may be made, not only for the existing city and to relieve present conditions, but plans may be developed for systems which will be adequate for the city even after a growth of many years. In this manner the various installations may have a capacity which will render them serviceable at all times as a unit of a larger development. Sources of supply, points of disposal, grades, pipe sizes, location of main trunk line and general engineering details may be carried out in plan and built in various sections of the city as the demand grows.

In this manner the scrapping of old system rendered useless because of a lack of capacity for the greater demand is avoided.

In these and many other ways by careful planning, years in advance of the city's growth, the expenditure of city funds may be made efficient and certain to bring the greatest result for the money spent. In years past, during the period of haphazard growth of our cities, there is no doubt that in many cases city funds have been unintentionally wasted and the maximum of efficiency, attractiveness and economy has not been enjoyed. The unstudied layout of streets and the rapid growth of developing communities have resulted in creating points where traffic conditions are very bad, and even dangerous. In many cases business streets are too narrow and result in conditions which are disadvantageous to merchants and to the general public. Public parks and recreational facilities are found to be inadequate, and the cost to the city of extending such system in already developed territory is high and must be borne by the taxpayer.

Uncontrolled civic development is found generally to be a menace to real estate values, particularly where there is lacking a zoning system which will confine industrial and commercial activities to certain territories and avoid encroachments in residential districts. It is no uncommon experience to find in our cities large residential districts which have been developed in sections which should logically be given over to manufacturing or business activities. As a city grows,

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manufacturing activities will find their logical location, in many cases to the detriment of residential districts, and causing a depreciation of land values, a loss which must be borne by the individual land-holder. By careful city planning certain zones may be determined in which manufacturing and business activities should intelligently be located. In this manner such activities may be confined to certain districts and residential areas developed which are certain to be free from invasion by unattractive occupancy. Through the operation of proper building and housing codes, protected residential areas should be encouraged and the home builder may be certain that the attractive section of the city in which he locates his home will not ultimately be invaded by ugly factory buildings or other activities which may be detrimental to continued use of his property for residential purpose.

We find, then, that from the viewpoint of the average citizen, city planning which will intelligently direct the expansion of the city means economy in the expenditure of city funds allotted for development purposes. We find also that the city may be made a more attractive place to live in through the medium of careful planning. Park and boulevard systems are not a great expense to a city provided the land can be obtained far enough in advance of the city's expansion to make its purchase possible at low cost. If a city plan is made to show where parks should be located in years to come, it is not expensive or difficult for the city to obtain the necessary land and to hold it for development until such time as its development for this purpose may be needed. We find also that by careful study of existing conditions relief may in many cases be afforded at congested centers of traffic without a great expenditure of public funds. This may often be done by tying up existing streets in a manner which will tend to divert traffic away from the one point of congestion, or through the medium of rerouting traffic to certain sections of the city.

Every citizen is anxious to see his city grow, as upon the growth of the city is predicated individual growth in the form of increased valuation of property holdings and increased business. Civic growth is based on industrial and commercial growth, which may result in the increase of employment and the consequent financial contribution to the economic activities of the city. Factories do not locate in a city merely on invitation, or even because of an offer of co-operation in the way of free sites and inexpensive manufacturing facilities. For

increased industrial growth it is necessary to increase civic facilities; that is, the facilities which will afford better living, working and transportation conditions.

As an example, we may cite the case of a small manufacturing city in the State of New Jersey. Because of a strategical geographical position offering combined railroad and harbor facilities, for the shipment of freight and the bringing in of raw materials, this city enjoyed a phenomenal industrial growth over a period of some years. Large factories were built and an extensive industrial population was brought into the city. The growth of the city was not, however, controlled along logical lines. Residential sections sprung up on land which should be used ultimately for additional factory sites. Public reservations for parks and playgrounds were not made, and the sewage system which was installed was entirely inadequate to handle the increased disposal brought about by civic growth. Business streets were developed in a manner entirely inadequate for city expansion and no study was made of the problem of water supply. This city, therefore, offers no inducements for residential purposes; general business is carried on under hampering limitations, and, in order to make even a few necessary improvements and because of the high cost of city administration, the tax rate has gone up in a manner which is proving a menace to the prosperity of the city. In other words, the civic growth, being unplanned and uncontrolled, has not kept pace with industrial growth, and as a result two important factories are moving from the city and one large organization which had intended locating at this point, bringing with it a payroll of over five thousand men, has decided to locate where general civic conditions are better.—*American Property Owner.*

There is not a business one can think of, which is not full of little temples where one can curse or pray. Every business that one knows has its host of light in it, fighting against its host of darkness; one set of men conducting the business as if they and the public were engaged in a sort of mutual enthusiasm and daily service, with permanent success as the goal; and another set of men whose success is ruining the business to which they belong, and the public besides—and themselves.

Don't be discouraged if you make an occasional mistake; if men didn't there wouldn't need to be any claw on a hammer.

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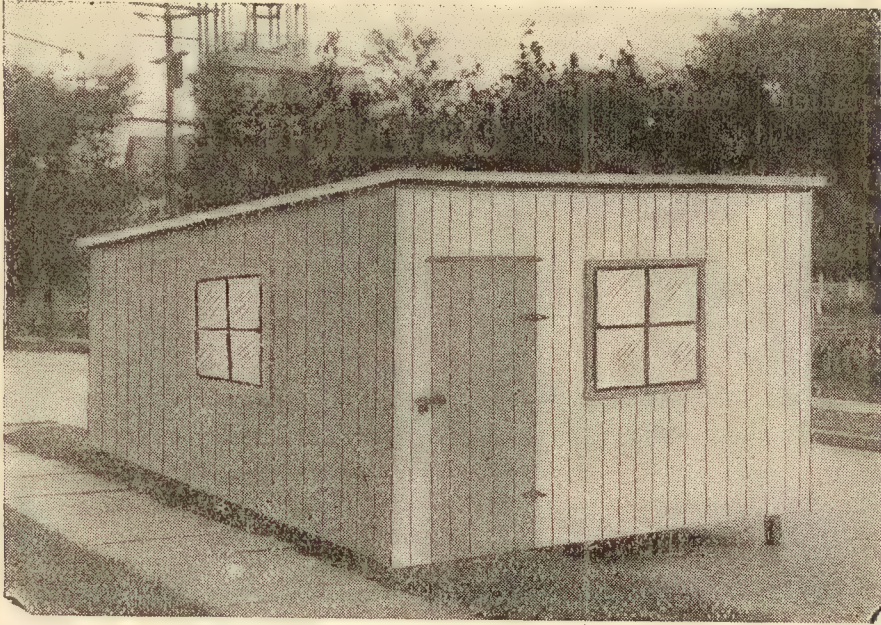
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| 4      | 6 x 4 ft.   | 6 ft.       | 1 door, 1 single window   | \$32.00 |
| 6      | 6 x 6 ft.   | 6 ft.       | 1 door, 1 single window   | 37.50   |
| 8      | 6 x 8 ft.   | 6 ft.       | 1 door, 1 single window   | 44.00   |
| 9      | 12 x 10 ft. | 7 ft. 9 in. | 2 doors, 1 double window  | 93.00   |
| 10     | 8 x 16 ft.  | 7 ft. 9 in. | 2 doors, 2 double windows | 91.00   |
| 12     | 12 x 20 ft. | 7 ft. 9 in. | 2 doors, 2 double windows | 160.00  |
| 14     | 14 x 28 ft. | 7 ft. 9 in. | 2 doors, 4 double windows | 220.00  |
| 16     | 8 x 10 ft.  | 8 ft.       | 1 door, 1 single window   | 62.00   |
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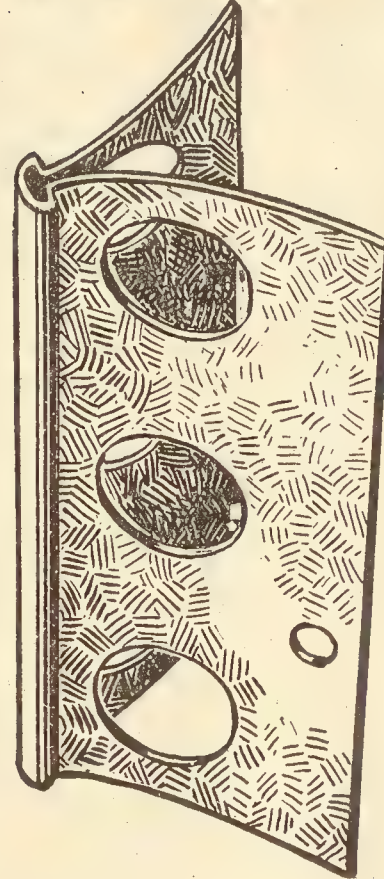
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Pomeroy Const. Co.....1609 Ranstead st., Phila.

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Ridpath & Potter Co.....Bourse Bldg., Phila.

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William Moore Co.....1506 Sansom st., Phila.

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## Transits.

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| Cash in Banks.....                   | 2,395,335.33    |
| Premiums in course of transmission.. | 3,203,681.96    |
| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

## LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

Total Liabilities ..... \$30,801,413.40

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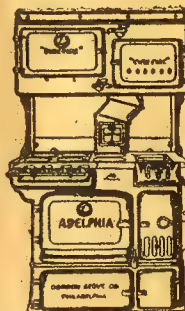
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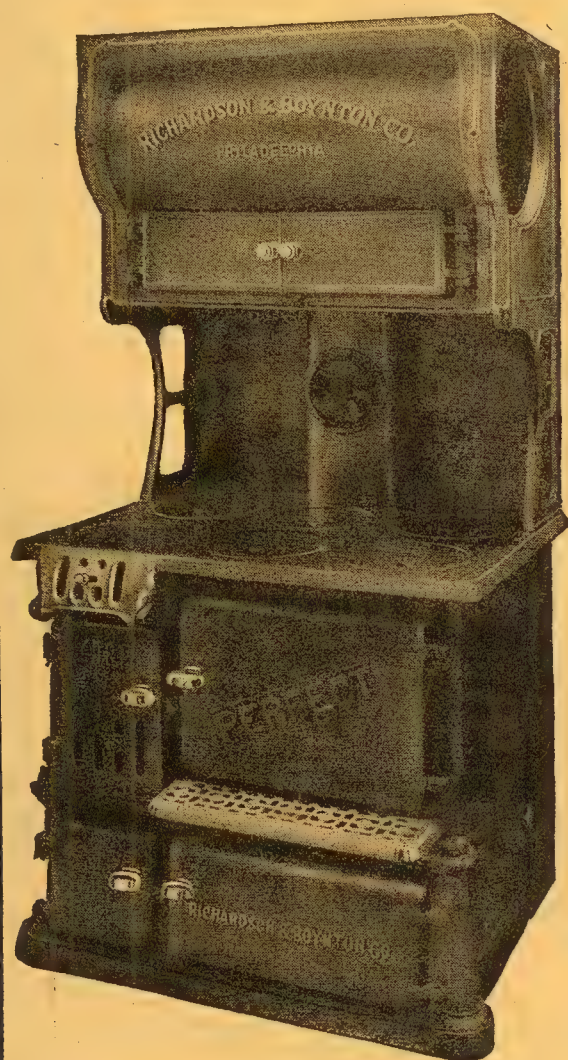
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 27  
July 2, 1919

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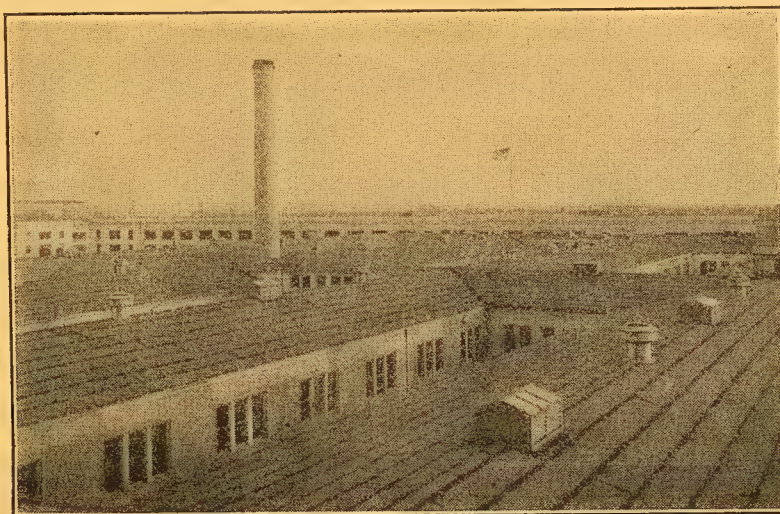
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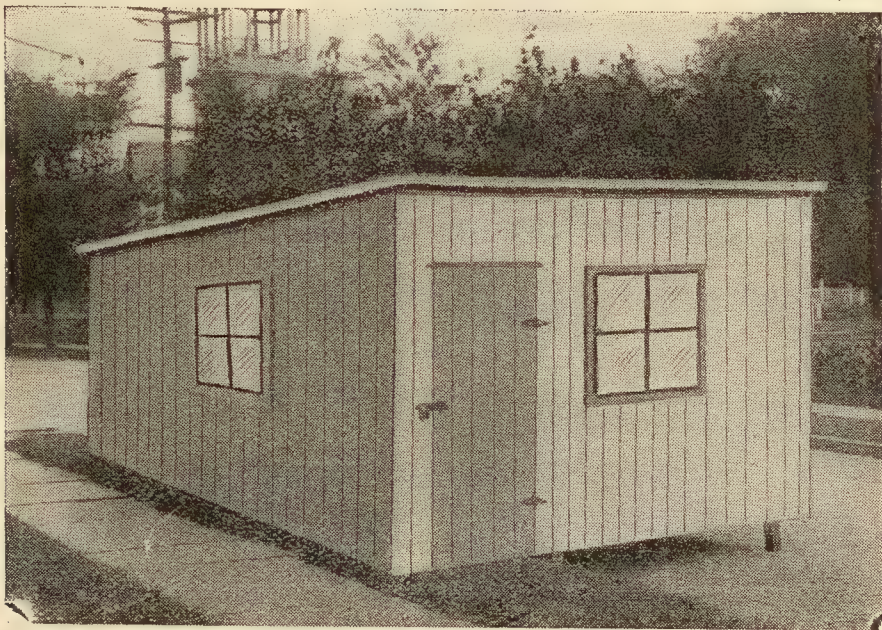
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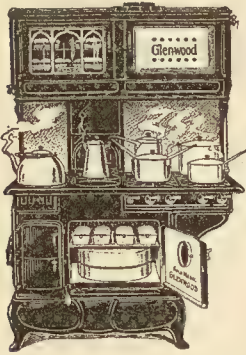
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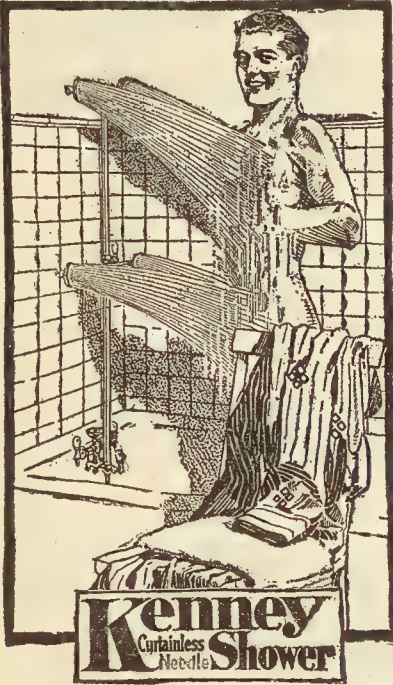


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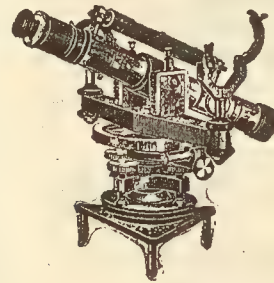
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# BUILDERS' GUIDE

VOLUME XXXIV  
Number 27

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

PHILADELPHIA  
July 2, 1919

## BUILDERS' GUIDE

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## As The Editor Sees It



THE war brought to America many serious and difficult problems. Projects were undertaken and carried to a successful termination which, in view of the country's unpreparedness, were at first deemed impossible. In the solution of these problems, America has learned many valuable lessons which will change the course of the present and future events. Old methods and condition have gone, never to return, and it is for everyone now to grasp the full meaning of these new conditions before us.

The problems attendant upon the war were in no way more difficult nor of greater importance than the problems of the reconstruction period. One of the most serious of these latter is the housing situation. Every city in the country is underbuilt; every city is suffering for lack of adequate housing facilities. Many places not fit for habitation are in use at the present time and the need must be met at once. The cry that construction is high does not appear to be justified, but is rather the unthinking judgment of the uninformed or the misinformed. According to Michael A. Mikkelsen, U. S. Department of Labor, the fact is that the cost of construction is not high today. It is low compared with food, clothing, and commodities in general; for example, in January of this year a given quantity of farm products would exchange for 37 per cent. more of common building materials than the same quantity could be exchanged for in

1913. It is high only in comparison with its own pre-war level. Commodity prices will undoubtedly recede, because food and clothing and many other things were affected by special war conditions; for example, scarcity of transportation, which prevented shipments from distant countries to the Allies. But they cannot fall to the pre-war level.

But although some readjustments in the wages of individual trades and in the prices of individual classes of building materials may take place, the cost of construction will not come down to such an extent as to endanger a judicious investment made today in the erection of a new building. Where the rents offered show a fair net return on the cost today of a new building after deducting a reasonable sinking-fund allowance, no one should hesitate to build or to lend money for building.

Rents are determined by supply and demand. In the case of housing, during the early part of the war, the demand was curtailed by the rapid advance in commodity prices, which impelled many tenants to crowd into or get along with less space than their normal standard of living required, and by the drafting of the young men of military age. Within a year, however, these influences had spent their force. By the end of 1918, according to the replies obtained from a questionnaire sent to real estate boards in 91 cities, only four of these cities had a housing demand that was below normal, while in 52 cities rents

had advanced 10 per cent. or more; in some instances 40 per cent. to 50 per cent. This rise in rents took place at a time when the population at home was as economical of house room as possible and while several millions of soldiers were absent in the service.

Another important fact was disclosed by the replies to the questionnaire, namely, that despite rising rents for housing in the majority of the 91 cities, the market value of house sites had declined in six cities, and had remained practically stationary in 72. The market value of land is, like rents, determined by the interplay of supply and demand. During the war the demand for city land was relatively small, because dealing in real estate was discouraged by the bank as a non-war activity requiring the use of credit. With a restoration of easier mortgage loan conditions, the demand for real estate will inevitably increase; nothing can seem more certain than that in our growing American cities the market value of land must advance briskly.

A judicious investment in the erection of a new building does not depend solely on the cost of construction. It may well happen that the man who buys a plot today and builds on it a house the cost of which is not greatly out of proportion to the cost of the land will be better off a year from now than he would be if he had left his money in the savings bank in the meantime. City land

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at present is the least inflated of all material wealth.

Furthermore, F. T. Miller, Director, Division of Public Works and Construction Development, Information and Education Service, Department of Labor, says:

"On the basis of its study, the department has come to the conclusion that construction in 1919 can be justified on financial grounds. It rejoices to find such a widespread acceptance of its views as is evidenced by the remarkable resumption of construction activity within the last three months."

\* \* \*

THE valuable lessons in efficiency taught by the war can well be applied at the present time to construction. Building must be resumed and everything must be done to best fit the construction industries to handle the huge task before them.

In the opinion of Mr. M. C. Tuttle, General Manager of the Aberthaw Construction Company of Boston, a reduced wage scale is not an indispensable preliminary to resumption of activity in the building trades.

"In the course of viewing numerous undertakings more or less closely associated with interests of the Government," says Mr. Tuttle, "I have lately been impressed to find the statement commonly made that costs of operation are beginning to show a noticeable decline. And this, almost without exception, was attributed to increased efficiency of the labor force, due in part to the opportunity for weeding out the less dependable workers, and in part to the growing desire of all members of the force to retain their jobs.

"Owing to inadequate or otherwise unsatisfactory cost systems maintained in connection with most of these undertakings, I found it impossible fully to check the statement by actual figures. Accordingly, I asked my own company to make out the cost of any one process in an operation continued over a period of several weeks. That which was selected was a piece of concrete work; the costs studied were those for the common labor employed on this work from January 7th to February 4th of the present year, inclusive. During this period the wage scale remained unaltered; but the personnel of the labor force underwent frequent changes.

"A graph of the labor cost of the work during the period noted shows a sharp and almost undeviating decline from day to day. On February 4th these costs were exactly 50 per cent. less per unit than were those of January 7th. It is my belief that the experience of my company is by no means isolated; and that in almost any labor force there lies the

opportunity of realizing economies ranging from 20 to 50 per cent. without interfering with the wage scale.

"This implies, of course, that there is now increased opportunity for selecting men according to their suitability for a given task, and an increased eagerness on the part of the men to make good. But this is as it should be; and the whole country ought soon to feel the effect of it in general improvement at all points. It is a case of supplanting so-called *liquidation of labor* by proper *adaptation of labor* as a means of keeping the cost of doing things within the bounds of utility.

"And in this connection it may well

be urged that state of mind is often as potent a factor in ultimate labor costs as is the rate per hour. Any one experienced in handling workmen has recognized the difference in output between a cheerful, capable man, anxious to hold his place, and one who is a little disgruntled, and quite conscious that he can get another job the moment he drops the present one. Multiply either case by thousands of individual instances and I believe there will be found, in shifts of mental attitude, the explanation of much of the variation which occurs in unit cost. And this, after all, is the element of labor which directly affects the profits of the employer."

## HOUSING—ITS RELATION TO SOCIAL WORK

BY ALBION FELLOWS BACON.

There never was a time when social work was more important. There never was a time when Housing was more important, and its relation to social work so clearly recognized. The recent war enlarged the field of social work immeasurably. It also suddenly brought to light the relation of housing to all classes of people, to industry, to government employees, to the very winning of the war.

President Wilson has said that the war was to make the world a fit and safe place to live in. The social worker's job also is to make the world a fit and safe place to live in. That is the job of the Housing worker, too, and this country will never be a fit and safe place to live in until "All the Homes of All the People" are safe—until every little child is safe in its own home.

The purpose of this paper is to establish the true and correct relation of Housing to social work. There seems to be no relation, in most communities, or, that relation is not understood, because Housing is not understood. So let us begin with definitions.

Housing means shelter, dwelling places, homes. You speak of "housing" workmen, just as you speak of "housing" machinery, only the first is not done as carefully as the latter. The term properly refers to every place of habitation, whether it be a dwelling house, hotel or sanitarium. The housing problem is the problem of providing fit and adequate dwelling places for every person in a community.

People can be housed—they are housed—in shacks, in stables, in lodging houses, in tenement barracks, in derailed cars, in old hotels, in garrets, in cellars, in sties, in compartment houses. None of these places are fit for homes. They

are called "homes," but they are not. So we lump them in "housing." But they come under bad housing.

The home or the house that is safe, sanitary, convenient, comfortable, a fit place to rear a family, comes under good housing. That belongs to the upper story of social work. The foundation and the first story of social work must begin with those conditions of the unfit, unsafe home—bad housing, slums—that devastate and ruin human lives. These are the conditions that pile up social wreckage faster than churches can evangelize, faster than schools can educate, faster than doctors can cure, faster than stretcher bearers—I mean social workers—can bear them off the field.

I speak from ten years' experience as a social worker, and ten years' experience, after that, as a housing reformer, for I came into housing reform through the doors of social work. I had labored for child welfare, for working girls, for social uplift and civic betterment, for public health, worked against vice, against tuberculosis, tried to relieve the sufferings of the poor and the aged. I found that all I could do gave only temporary relief, only partial improvement. That until we could get people who needed cures, families that needed to be reinstated into a more sanitary house, and a more favorable environment, we might give them a lift but we could not keep them up.

Let me say here that we must recognize that all social workers meet cases that seem hopelessly wrecked (especially among the older ones) or that are so mentally defective that they have nothing to build on. But there is no case so bad that bad surroundings will not make it worse. And though an improved en-

(Continued on Page 395.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Garage**, Sixty-fifth and Upland streets, Philadelphia. Architects, Clark & Dudnick, Drexel Building, Philadelphia. Owner, name withheld. Brick, 1 story, 54x140 feet, slag roof, cement floors, timber trusses, steam heat, electric light, stone foundations, rolled steel sash, hollow metal skylights, steel rolling doors. Plans completed. Architects taking sub-bids due as soon as possible.

**Garage**, 6127 Oxford street, Philadelphia. Architect, H. Childs Hodgins, 130 South Fifteenth street, Philadelphia. Owner, C. A. Freihofer, Twentieth and Indiana avenue. Brick, 1 story, 21x22 feet (2 cars), asbestos shingle (J-M) roof, cement floors, stone foundations, electric lighting. Architect will be ready for bids in a few days.

**Factory (add.)**, Twentieth and Indiana avenue, Philadelphia. Architect, H. Childs Hodgins, 130 South Fifteenth street, Philadelphia. Owner, Freihofer Baking Co., on premises. Steel and reinforced macite, 20 feet high, 20x136 feet, reinforced macite roof, electric lighting, steel columns, rolled steel skylights. Architect will be ready for bids in a week.

**Residence (alts.)**, Broad and Courtland streets, Philadelphia. Owner, Dr. S. Goldberg, 4415 Germantown avenue, Philadelphia. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Rearrangement of offices, mill work, plastering, painting, glazing, oak floors. Architect taking bids due July 3d. Wm. H. Graham, 3649 Filbert street, is figuring.

**Residence**, Germantown, Philadelphia. Architect, C. A. Ziegler, Stephen Girard Building, Philadelphia. Owner, Charles Calwell, Second and Chestnut streets, Philadelphia. Stone, 2½ stories. Plans in progress. Too early for details.

**Residence and Garage**, Northeast corner Sixty-first and Hazelhurst streets, \$6,800. Architect, private plans. Owner, Thomas J. McGarvey, 2146 South Fifty-eighth street, Philadelphia. Brick, 2 stories, 20x32 feet, slag and asphalt roof, hot water heat, electric lighting. Owner will build.

**Dwelling (add.)**, 5918 Market street, Philadelphia, \$5,000. Owner, Leon Braker, 5820 Spruce street, Philadelphia. Brick, 3 stories, front add. 16x7 feet and 16x8 feet, slag roof. Owner will build.

**Dwellings**, Roosevelt Boulevard, South of Summerdale avenue, \$48,000. Architect, private plans. Owner, Harry R. Moyer, 2035 East Allegheny avenue. Brick, 2 stories, 16½x48½ feet, slag and slate roof, hot water heat, electric lighting, oak floors. Owner will build.

**Elevated Stations (4)**, York street, Dauphin street and Girard avenue. Architect, private plans. Contracts Nos. 553, 554, 555, 563. Owner, City of Philadelphia, Department of City Transit, Mershon Building. Owners taking bids due July 8th. Monaghan & Losse, Inc., 3016 Chestnut street; E. F. Bahls

Co., 1702 North Thirteenth street, and Pringle Borthwick, 8018 Germantown avenue, are figuring.

**Residence (alts. and add.)**, 3605 Powelton avenue. Architect, Le Roy B. Rothschild, 1225 Sansom street. Owner, M. I. Crane, 3605 Powelton avenue. Brick, 3 stories, 12x14 feet, slag roof, maple floors, stone foundations, hot water heat, electric light, tile and marble work, dampproofing and waterproofing. Architect taking bids due July 3d. Davis & Clayton, 1817 North Twentieth street, are figuring.

**Residence**, St. Martins, Philadelphia. Architect, Herman L. Duhring, Bailey Building, Philadelphia. Owner's name withheld. Stone, 2½ stories, 40x60 feet, shingle roof, hot air heat, electric light, tile work. Architect will take bids in about three weeks.

**Residence (alts. and add.)**, 1510 Oxford street, Philadelphia. Architect, P. M. Sax, Franklin Bank Building, Philadelphia. Owner, Arthur Loeb, Franklin Bank Building, Philadelphia. Brick and steel, 3 stories, 10x31 feet, tin roof, parquet floors, stone foundations, steam heat, electric lighting, metal lath, iron work. Architect has received bids.

**Residences and Garages (2)**, Northeast Boulevard, near Second street. Architect, E. Allen Wilson, 1218 Chestnut street, Philadelphia. Owner, name withheld. Stone, 3 stories, 30x40 feet, and 1 story, 12x18 feet, slate roof, oak floors, hot water heat, electric lighting, tile and marble work. Plans in progress.

**School Buildings**, Forty-second and Spruce streets, Philadelphia. Architects, Zantlinger, Borie & Medary, Otis Building, Philadelphia. Owner, Protestant Episcopal Divinity School, care of Rev. George Bartlett, 316 South Tenth street, Philadelphia. Stone. Plans in progress. Too early for details.

**Bank Building**, 1429 Chestnut street, Philadelphia. Architects, Stuckert & Co., Crozer Building, Philadelphia. Owners, Republic Trust Co., 1429 Chestnut street, Philadelphia. Steel, brick, granite and terra cotta, 4 stories and basement, 20x95 feet, stone foundations, steam heat, electric light, tile, marble and terrazzo work, bronze work, ornamental iron work, dumb waiter, electric fixtures, rolled steel sash, vault, bank fixtures, (1) elevator. Architects ready for sub-bids due July 7th.

**Sunday School Building**, Fifty-fourth and Spruce streets, Philadelphia. Architect, George E. Savage, Witherspoon Building. Owner, Bethany Temple, Fifty-fourth and Spruce streets, Philadelphia. Stone and brick, 2 stories, 108x83 feet, wing 24x27 feet, slag roof, maple and pine floors, stone foundations, steam heat, electric light, rolled steel sash, iron work. Architect taking bids due July 7th. A. R. Raff Cont. Co., 1635 Thompson street; James Johnston, 1721 Ludlow street; E. E. Hollenback, Inc., 1804 Brandywine

street; F. E. Wallace, 1220 Chancellor street; George F. Pawling Co., 1432 South Penn Square, and George B. Bond, Twelfth street and Sixty-sixth avenue, Oak Lane, are figuring.

**Warehouse and Offices (alts. and add.)**, 1821 Market street, Philadelphia. Architect, Frederick Webber, Morris Building, Philadelphia. Owners, E. W. Koons & Co., 911 Filbert street, Philadelphia. Plans in progress. Too early for details.

**Store and Apartments (alt. and add.)**, 1010 Girard avenue. Architects, Hoffman-Henon Co., Finance Building, Philadelphia. Owner, Samuel Cooper, 1010 Girard avenue, Philadelphia. Brick, stone and steel, 3 stories, 18x19 feet, slag roof, pine floors, stone foundations, steam heat, electric light, tile, marble and terrazzo work, rolled steel skylights. Architects have received bids.

**Dwellings (28)**, West side Fifth street, Grange to Nedro, \$126,000. Architect, private plans. Owner, Walter S. Bauer, Fifth and Chew streets, Philadelphia. Brick, 2 stories, 18x32½ feet, hot water heat, slag roof. Owner will build.

**Dwellings (23)**, 5001-47 North Camac street, Philadelphia, \$115,000. Architect, private plans. Owner, George Schwim, 1524 West York street, Philadelphia. Brick, 2 stories, 15 feet 8 inches x32 feet 2 inches, 12x17 feet 10 inches, slag roof, hot water heat, electric light. Owner will build.

**Building (alts.)**, 1211 Chestnut street, Philadelphia, Cont. No. 113. Architect, private plans. Owner, City of Philadelphia, Department of City Transit, Mershon Building. Wood and glass partitions in offices of eleventh and twelfth floors. Owners taking bids due July 8th at noon.

**Building (alt.)**, 3533 Germantown avenue. Architect, H. W. Wooters, 816 West Allegheny avenue. Owner, Henry Reinhardt, on premises. Brick, second story add. 22x65 feet, slag roof, wood floors, electric light, hollow metal skylights (heat reserved). Architect taking bids due July 11th. H. P. Werner & Co., 3245 Germantown avenue; Jacob Y. Loux, 3731 Old York road; Henry P. Schneider, 3713 Old York road, and John Schuster, 3552 North Fifteenth street, figuring.

**Store (alt. and add.)**, 2107 Germantown avenue. Architect, William H. Wooters, 816 West Allegheny avenue. Owner, Leon Kappelman, on premises. Brick and steel, 2 stories, 10x85 feet, slag roof, cement floors (electric light and heat reserved). Plans in progress.

**Theatre**, Manheim and Germantown avenues, Germantown. Architect, private plans. Owner, Steifel & Fox, Manheim Theatre, on premises. Brick work, cut stone, plastering, mill work, plumbing, plastering, painting, cement work, terra cotta, slag roof, tile work and marble, stone foundations. Owners have received bids.

**Building (general repairs)**, 611-13 Callow-



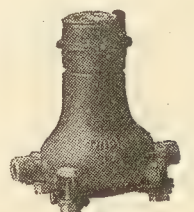
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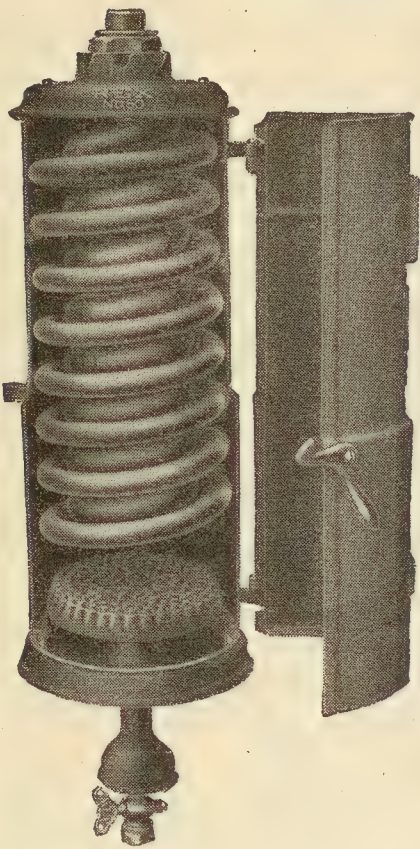
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hil street. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Confectioners' Specialty Co., on premises. Brick, 4 stories, general repairs to interior. Architect has received bids.

**Pattern Shop**, Spec. 3478, Navy Yard, Philadelphia. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Concrete and steel, 3 stories, 105x230 feet, built-up and slag roof, etc. Low bidders, M. H. McCloskey, Jr., 1620 Thompson street, \$262,262, 210 days; Wm. R. Dougherty, 1610 Sansom street, Philadelphia, \$280,639, 120 days.

**Store and Office**, Fourth and Girard avenue. Architect, J. Ethan Fieldstein, Penfield Building. Owner, Samuel Lerner, on premises. Brick, 2 stories, 17x100 feet, slag roof, maple and pine floors, stone foundations, hot water heat, electric light, tile and marble work, metal lath and ceilings, iron work. Architect has received bids.

**Dwellings (2) (alt. and add.)**, 113-15 South Sixtieth street, Philadelphia, \$10,000. Architect, private plans. Owner, A. H. Mahjoubian, 5926 Walnut street, Philadelphia. Brick, 3 stories, 16x8 feet, hardwood floors, electric light. Owner will build.

**Garage**, Sixty-third street, South of Vine street, \$15,000. Architect, private plans. Owner, William D. Wilson, 127 South Fifty-first street, Philadelphia. Brick, 1 story, 55x207 feet, slag roof, electric light, cement floors. Owner will build.

**Dwellings (18)**, North side Clifford street, West of Sixtieth street, \$82,800. Architect, private plans. Owner, L. W. Goodman, Drexel Hill, Pa. Brick, 2 stories, 16x42 feet, slag



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roof, hot water heat, electric light, oak floors. Owner will build.

**Garages (20)**, Sixth and Rockland streets, Philadelphia. Architect, private plans. Owner, O. F. Zurn Co., Broad and Lehigh avenue, Philadelphia. Brick, 1 story, 12x24 feet and 12x16 feet, slag roof, cement floors, stone foundations, iron work (heating and lighting reserved). Owner has received bids.

**Church (add.)**, Wyalusing avenue, near Fifty-fourth street, Philadelphia. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owners, Advent Church of the New Jerusalem, on premises. Stone, 1 story, 38x61 feet, slag roof, stone foundations, steam heat, pine floors, electric lighting. Architect has received revised bids.

**Twin Residences (3 pairs)**, Germantown, Philadelphia. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, George M. Randle, Stephen Girard Building, Philadelphia. Brick and plaster, 2½ stories, 16x43 feet, slate and slag roof, oak floors, stone foundations, hot water heat, electric lighting, tile work, garages in basements. Owners taking sub-bids due as soon as possible.

**Dwellings (12)**, East side Limekiln pike, North of Seventy-second avenue, \$120,000. Architect, private plans. Owner, James B. Eisele, 7265 Limekiln pike, Philadelphia. Brick, 2 stories, 16x52 feet, slag roof, hot water heat. Owner will build.

**Dwellings (21)**, Fifty-ninth and Walnut streets, Philadelphia, \$169,000. Architect, private plans. Owner, John P. Fallon, 449 South Sixtieth street, Philadelphia. Brick, 2 stories, 16x53 feet, 15 feet 6 inches x33 feet 10 inches, 11 feet 2 inches x16 feet 3 inches, slag roof, hot water heat. Owner will build.

**Dwellings (13)**, Lincoln Drive, South of Burnham road, (2) (11) Sixty-fifth street and Lebanon avenue, Philadelphia, \$64,400. Architect, private plans. Owner, John H. McClatchey, 848 Land Title Building, Philadelphia. Brick, 2 stories and 3 stories, 17x48 feet, 16x38 feet, hot water heat. Owner will build.

**Dwellings and Garages (13)**, Sixtieth street and Hazelhurst avenue, \$76,700. Architect, private plans. Owner, Thomas J. McGarvey, 2146 South Fifty-eighth street, Philadelphia. Brick, 2 stories, 20x32 feet and 20x18 feet 5 inches, 28x13 feet 7 inches, slag and asphalt shingle roof, hot water heat. Owners will build.

**Dwellings (2) and Garages (2)**, 1200-02, 1228-30 Wakeling street, \$21,000. Owners, C. West & Co., Oxford and Wakeling streets. Brick, 3 stories, 20x26 feet, 2 stories, 20x29 feet, 10x11 feet, and 1 story, 11x18 feet, slag roof, hot air heating, electric lighting. Owner will build.

**Bank Building**, Frankford, Philadelphia. Architects, Stearns & Woodnutt, Stephen Girard Building, Philadelphia. Owner, Second National Bank of Philadelphia, 4356 Frankford avenue. Cut stone, steel and marble, 45 feet high, 72x100 feet, J-M roof, marble floors (steam heat, plumbing, electric work and vault, separate bids), tile, marble and terrazzo work, vacuum cleaning system, mill work, hollow metal skylights, hollow tile, metal lath, caen stone, ornamental iron work, bronze work, flag pole. Architects taking bids due July 3d at 4 P. M. at architects' office. Wm. R. Dougherty, 1610 Sansom street; A. R. Raff Cont. Co., 1635 Thompson street; J. Sims Wilson Co., 1125 Brown street; Wm. Steele & Sons Co., 1600 Arch street; Royd-



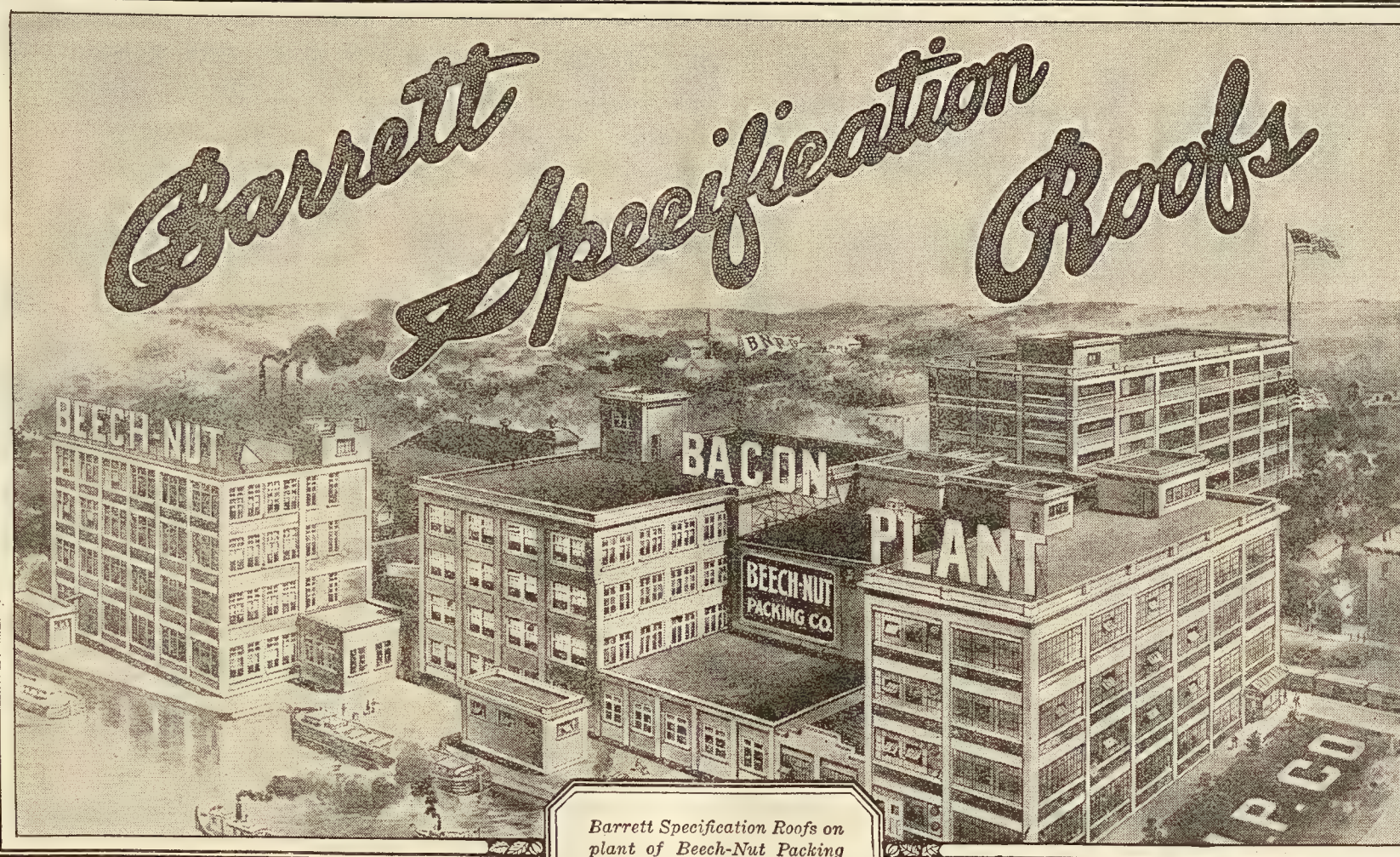
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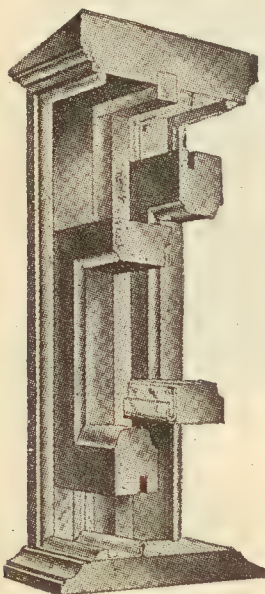
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house-Arey Co., 112 North Broad street; Ketcham & McQuade, 1029 Brown street; H. E. Baton, 1713 Sansom street, and R. C. Balingier & Co., 218 North Thirteenth street, are figuring. Architects will take bids on bank fixtures and furniture at a later date.

**Residence**, East Gates street, Roxborough, Philadelphia. Architect, Harry Gordon McMurtrie, 1012 Walnut street, Philadelphia. Owner, Walter M. Hodson, Roxborough, Pa. Stone, 2½ stories, 28x40 feet, tile roof, oak floors (vapor heat, electric light, tile work and plumbing reserved). Architect taking bids due July 3d. Wm. J. Gruhler Co., 219 East High street; Fred Elvidge & Son, 5522 Germantown avenue; E. L. Cuthbertson, 543 Green lane; Morris Swartley and Walter Roland, both of Roxborough, Pa., are figuring.

**Aircraft Assembly Shop**, Spec. 3927, Navy Yard, Philadelphia. Architect, private plans. Owner, Bureau of Yards and Docks, Navy Department, Washington, D. C. Brick and steel, 1 story, 201x680 feet, wing 347x403 feet, slag or gravel roof, maple floors, wood foundations, hot air heat, electric light, rolled steel sash, iron work. Lowest bidders: M. H. McCloskey, Jr., 1620 Thompson street, \$632,861, 180 days; Irwin & Leighton, 126 North Twelfth street, Philadelphia, \$640,000, 150 days.

**Scrap Storage Building and Two Doors for Buildings Nos. 4 and 10**, Spec. 3986, Navy Yard, Philadelphia. Architect, private plans. Owners, U. S. Government, Department of Public Works, Navy Department, Philadelphia. Frame, 40x75 feet, felt roof, repairing concrete pavement, reconstruction of existing track, substituting steel for wooden doors, iron. Lowest bidder: M. H. McCloskey, Jr., 1620 Thompson street, Philadelphia.

**Garage (alts. and add.)**, 4745 North Broad street, Philadelphia. Architect, Ralph H. Hottersall, 1431 Jerome street, Philadelphia. Owner, Mrs. Dora Mulligan, 157 South Tennessee avenue, Atlantic City. Brick, 1 story, 22x148 feet, slag roof, cement floors, stone foundations, steam heat, electric light, tile work, rolled steel skylights, iron work. Owner taking bids, due July 7th. Wm. R. Dougherty, 1610 Sansom street; Henry P. Schneider, 3713 Old York Road, and H. E. Sweger, 4435 North Huber street, are figuring.

**Store (alts.)**, Eighth and Chestnut streets, Philadelphia. Architects, Greisler & Abram-

son Co., Lafayette Building, Philadelphia. Owners, I. Press & Son, Eighth and Chestnut streets, Philadelphia. Brick and steel, 1 story, pine floors, hollow tile, concrete work, brick work, terra cotta, carpenter work, hardware. Architects taking bids, due July 12th. Wm. R. Dougherty, 1610 Sansom street; F. E. Wallace, 1220 Chancellor street; Hogg Const. Co., 1634 Sansom street, and Ketcham & McQuade, 1029 Brown street, are figuring.

**Laboratory**, Front and Erie avenue, Philadelphia. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owners, Hess-Bright Manufacturing Co., on premises. Brick, 2 stories and basement, 42x105 feet, steam heat, electric light, reinforced concrete and tile roof, reinforced concrete floors, metal lath. Architect taking sub-bids and general bids, due July 10. James Johnson, 1721 Ludlow street; Turner Const. Co., 1713 Sansom street; Irwin & Leighton, 126 North Twelfth street, Philadelphia, and Aberthaw Const. Co., Boston, Mass., are figuring.

**Residence**, Springfield Bk. Lane and West-view street. Architect, Edmund B. Gilchrist, 1627 Sansom street, Philadelphia. Owner, Richard E. Bishop, care of architect. Rough east, 3 stories, 25x48 feet, copper and shingle roof, oak floors, marble work, iron work (heat and light reserved). Architect taking bids, due July 9th. Wm. R. Dougherty, 1610 Sansome street, is figuring.

**Garages (20)**, Sixth and Rockland streets, Philadelphia. Architect, private plans. Owners, O. F. Zurn Co., Broad and Lehigh avenue, Philadelphia. Brick, 1 story, 12x24 feet and 12x16 feet, slag roof, cement floor, stone foundation (heating and lighting reserved), iron work. Owners taking bids, due as soon as possible. Raith Const. Co., 304 Master street; John M. Yardley, 1716 Sansom street; Thomas Duff, 4666 Wyoming avenue, and H. E. Baton, 1713 Sansom street, are figuring.

**Garage**, Hortter and Jefferson streets, Germantown. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, Robert Killough, Wayne avenue and Duval street, Germantown. Stone, 1 story, 23x34 feet, slag roof, cement floors, electric light. Owners will take sub-bids in one week.

**Garage**, Fifth and Fisher's avenue, Philadelphia. Architect, Ralph H. Hottersall, 1431 Jerome street, Philadelphia. Owner, Mrs.

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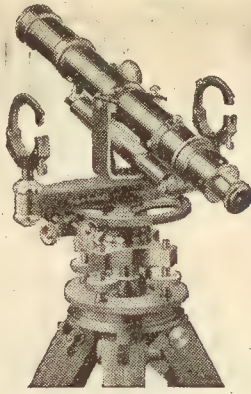
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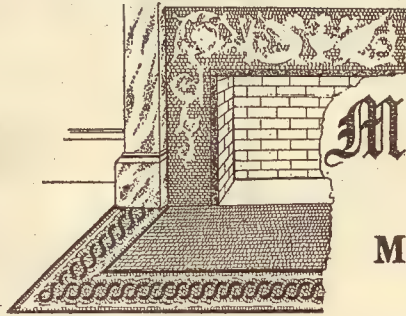
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Warehouse, 432 Manning Street, Philadelphia

Dougherty, 1610 Sansom street; Henry P. Schneider, 3713 Old York Road, and H. E. Sweger, 4435 North Huber street, are figuring.

Storehouse for Inflammables, Spec. 3987, Navy Yard, Philadelphia. Architect, private plans. Owners, U. S. Government, Department of Public Works, Navy Yard, Philadelphia. Steel and corrugated iron, electric light, rolled steel sash. Low bidders: Stang & Mitchell, 629 Real Estate Trust Building, \$27,000.

Residences (4) (alt. and add.), 5900-06 Old York road, \$9,100. Architect, private plans. Owner, R. S. Avint, 7312 Chestnut avenue, Philadelphia. Brick, third story add., 16 feet 4 inches x 50 feet and 15 feet 11 inches x 36 feet, 13x13 feet. Contract awarded to Herbert Hope, 5901 Old York road.

Garage (add.), 6408 Church road, Philadelphia, \$4,000. Architect, private plans. Owner, G. W. McNeely, on premises. Stone, 1 story, 18x20 feet, slag roof, electric light, cement floors. Contract awarded to Alfred James, Bala, Pa.

Factory, Southwest Corner Thirtieth and Reed streets, Philadelphia, \$16,500. Architects, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia. Owner, J. D. Murphy, on premises. Brick, 1 story, 62½x115½ feet, slag roof, electric light. Contract awarded to Wm. Steele & Sons Co., 1600 Arch street.

Garage (add.), 2404-2408 North Twenty-seventh street, \$7,500. Architect, private plans. Owner, Wm. Root, 2408 North Twenty-seventh street, Philadelphia. Brick, 1 story, 64 feet and 60x60 feet, slag roof, cement floor, electric lighting. Contract awarded to L. H. Eckard, 1320 North Carlisle street.

Building (alt. and add.), 1313 Walnut street, Philadelphia, \$8,800. Architect, Charles Barton Keen, 1218 Chestnut street, Philadelphia. Owner, R. A. & G. Barrie, 1313 Walnut street, Philadelphia. Brick and cut stone, 2 stories, oak and maple floors, electric light (heating reserved), metal lath, tile and marble work, rolled steel skylights, roof ventilators, iron work. Contract awarded to J. Sims Wilson Co., 1125 Brown street, Philadelphia.

Service Station, Southeast Corner Germantown and Girard avenues, \$12,000. Architect, W. G. Wilkins, Pittsburgh, Pa. Owners, Atlantic Refining Co., 3144 Passyunk avenue. Reinforced concrete, 1 story, 16x16 feet, tile roof, steam heat, electric lighting, tile floors, metal lath, dampproofing. Contract awarded to Metzger & Fisher, Otis Building, Philadelphia.

Storage Building (add.), Southeast Corner

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Factory, 1021-27 Ridge avenue, Philadelphia, \$10,000. Architect, private plans. Owner, Estate of William Lewis, 1021 Ridge avenue, Philadelphia. Repair fire damage. Contract awarded to F. W. Van Loon, Denekla Building, Philadelphia.

Laundry, 5411 North Water street, Philadelphia, \$8,100. Architect, private plans. Owner, C. W. Jennings, on premises. Brick, 1 story add., 42x102 feet, slag roof, cement floors, electric light. Contract awarded to Wm. L. Bushnell, 2146 East Norris street.

Cafeteria, Bourse Building, Philadelphia, \$5,000. Architect, Wm. D. Hewitt, Bullitt Building, Philadelphia. Owners, Bourse Restaurant Co., Bourse Building, Philadelphia. Steam heat, tile floors, tile and marble work, plumbing, painting, kitchen equipment, chairs, tables. Contract awarded to Thomas Little & Sons, 1709 Moravian street.

Garage, 903-13 North Twenty-sixth street, Philadelphia, \$12,500. Architect, James F. Bailey, care of owner. Owner, Carl Korn, 2536 Girard avenue, Philadelphia. Brick, 1 story, 52x116 feet, slag roof, stone foundations, steam heat, electric light, hollow metal

skylights, cement floors. Contract awarded to E. E. Hollenback, Inc., 1804 Brandywine street.

Garage, 2828-30-32 West Nicholas street, Philadelphia, \$5,000. Architect, Herman H. Kline, Sixth and Mifflin streets, Philadelphia. Owner, N. Smydman, 2161 Ridge avenue, Philadelphia. General alterations, slag roof, steam heat, electric light, cement and pine floors, flush bulks, iron work. Contract awarded to Schlichtman Bros., 1734 North Seventh street, Philadelphia.

Garage, 5327 Gaynor road, Philadelphia. Architect, Paul J. Essick, 1345 Arch street, Philadelphia. Owner, Julius Keller, Jr., on premises. Stone, 1 story, 23x24 feet, slate roof, stone foundations, cement floors (heating and electric work reserved). Contract awarded to Essick Const. Co., 1345 Arch street, Philadelphia.

Dwelling (alt.), to Apartments, 1823 West Erie avenue, \$4,800. Architect, private plans. Owner, Dr. G. C. Passman, on premises. General interior alterations, new partitions. Contract awarded to George A. Boyd, 5701 North Sixth street, Philadelphia.

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Twenty-second and Spring Garden streets, \$3,900. Architect, private plans. Owner, Wm. Wood & Co., on premises. Brick elevator shaft, 5 stories, 9x11 feet. Contract awarded to L. Snyder & Son, 260 North Marvine street, Philadelphia.

**Factory (add.)**, Nineteenth and Buttonwood streets, Philadelphia, \$6,000. Architect, private plans. Owner, A. Wolfington Sons Co., Nineteenth and Buttonwood streets, Philadelphia. Brick, 4 stories, 26x12 feet 5 inches, electric light. Contract awarded to F. A. Havens & Co., 845 North Nineteenth street.

**Nurses' Home (alt. and add.)**, 1826 Naudain street, Philadelphia, \$2,500. Architect, private plans. Owner, Polyclinic Hospital, Eighteenth and Lombard streets, Philadelphia. Second story add., 22x4 feet, iron. Contract awarded to F. L. Hoover & Sons, 1023 Cherry street.

**Garage**, 1025-27 Mifflin street, Philadelphia, \$6,000. Architect, private plans. Owner, Young & Russell, 1027 Mifflin street, Philadelphia. Brick, 1 story add., 18x150 feet. Contract awarded to John Ehmann, 1908 Tasker street, Philadelphia.

**Residence and Garage**, Chestnut Hill, Pa., \$34,075. Architect, Charles Willing, 1627 Sansom street, Philadelphia. Owner, Mrs. B. F. Pepper, Sunset and Crefeld streets, Chestnut Hill. Stone, 2 stories, 36x78 feet, wing 20x24 feet; garage, 14x38 feet, and greenhouse 12x14 feet, shingle roof, oak and cement floors, metal lath, stone foundation, marble work, waterproofing, iron work (heating and light reserved). Contract awarded to Wm. R. Dougherty, 1610 Sansom street.

**Garage (alts.)**, 2032 North Sixteenth street, \$5,500. Architect, private plans. Owner, Morton E. Hecht, 1504 North Seventeenth street, Philadelphia. General alterations, cement floors, slag roof, steam heat, electric lighting,

plumbing. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

**Residence**, School Lane, Germantown, Philadelphia. Architect, Arthur H. Brockies, Presser Building, Philadelphia. Owner, Sydney E. Hutchinson, 1718 Walnut street. Stone and brick, 2½ stories, 41x67 feet and 30x51

feet, stone foundations, shingle roof, yellow pine and cement floors, hot water heat, electric light, tile and marble work, hollow metal doors, structural steel, iron work. Stable and garage, 2 stories, 25x77 feet and 25x51 feet. Contract awarded to J. Sims Wilson Co., 1125 Brown street, Philadelphia.

## PENNSYLVANIA Construction News

**Tenant Houses (2)**, Dorchester Farms, Newtown Square, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, name withheld. Frame and stucco, 2½ stories, 30x50 feet, shingle roof, stone foundations, hot water heat, electric lighting. Plans in progress.

**Apartment House**, Overbrook, Pa., \$500,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, M. W. Wood, Overbrook, Philadelphia (Morris Estate). Brick, steel and concrete, 4 stories, 48x120 feet, wings 48x168 feet and 48x169 feet, slate roof, yellow pine and oak floors, stone foundations, steam heat, electric light, tile and marble work, metal lath. Architect has received bids.

**Bungalow**, Elkins Park, Pa. Architect, Roger M. Dickbut, Glenolden, Pa. Owner, Josef Doerr, 257 West Clapier street. Stucco, 1 story, 28x44 feet, shingle roof, oak floors, hot water heat (electric light reserved), stone foundations, tile work, metal lath. Architect has received bids.

**Residence**, Ardmore Park, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Samuel McKeeman, 1488 North Fifty-third street, Philadelphia. Stone and frame, 2½ stories, 24x30 feet, shingle roof, hardwood floors, stone foundations, hot water heat, electric light, tile and marble work, pine floors. Owner taking sub-bids.

**Garage**, Haverford, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, W. M. Swain, Haverford, Pa. Stone, 1½ stories, 27x54 feet, wing 12x13 feet, slate roof, cement and pine floors, stone foundations (heat, electric light and plumbing reserved), iron work. Architects have received bids.

**Completion of Basement**, Chester, Pa. Architect, F. Ferdinand Durang, 1220 Locust street. Owner, Roman Catholic Church of St. Anthony, care of Rev. A. Garritano, Chester. Architect has received bids.

**Power Plant**, Williamsport, Pa. Architects, Stearns & Woodnutt, Stephen Girard Building, Philadelphia. Owner, name withheld. Brick and concrete, 50x90 feet, concrete and slate roof, concrete floors, stone foundations, electric lighting, steam boilers, mechanical stokers, refrigerating plant, etc. Plans in progress. Will be ready for bids in about two weeks.

**Coal Trestle and Bunker**, Summerdale Station, Pa. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owners, Stokes & Smith, Summerdale Station, Pa. Concrete, brick work, steel work, mill work, carpentry, hardware (roof reserved). Architects taking bids due July 5th. H. E. Grau Co., 1709 Sansom street; J. S. Rogers Co., Drexel Building, and R. C. Ballinger & Co., 218 North Thirtieth street, are figuring.

**Residences (2)**, Eagle road, Oakmont, Pa. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, John J. Sturm, 325 North Fifty-second street, Philadelphia. Stone, frame and plaster, 2 stories, 30x35 feet, shingle roof, oak floors, pine floors, electric light, hot water heat, tile work. Owner is taking sub-bids.

**Club House (alt.)**, West Market street, York, Pa. Architect, Edward Leber, Hay Building, York, Pa. Owner, Vigilant Eng. Co., West Market street, York, Pa. Plumbing, bowling alley, social hall, billiard room, tile and marble work. Plans in progress.

**Residences (alts.) to Community Rooms, 3 Apartments, Convention Hall and Social Quarters**, South Beaver street, York, Pa., \$50,000. Architect, Gimmel & Billmeyer, Rosenmiller Building, York, Pa. Owner, York Labor Temple Association, care of F. Aldering, president, York, Pa. General interior work, slag roof, hardwood floors, tile and marble work. Sketches in progress.

**Factory**, York, Pa., \$150,000. Architect, J. B. Hamme, City Bank Building, York, Pa. Owner, Otto Eisenlohr Bros., 913 Market street, York, Pa. Brick and reinforced concrete, 3 stories and basement, 88x175 feet, concrete roof, concrete and maple floors, steam heat, electric light, plumbing, elevators, hollow metal sash, hollow metal skylights. Plans in progress. Architect will take bids in two weeks.

**House (alt. and add.)**, York, Pa. Architect, Edw. Leber, Hay Building, York, Pa. Owner, Hon. George Marlow, East Philadelphia street, York, Pa. Brick and frame, 2 stories, bay windows, hardwood floors, electric light, tile work, plumbing, interior mill work. Day work.

**Bakery (alt. and add.)**, North Duke street, Lancaster, Pa., \$10,000. Architect, private plans. Owner, Bricker Baking Co., care of L. M. Bricker, Lemoyne, Pa. Concrete, 2



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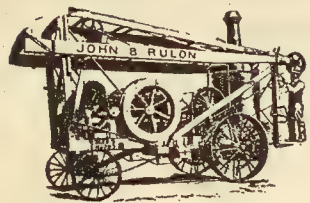
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stories, 30x60 feet. Drawing, plans. Owners ready for sub-bids.

**Bank, York, Pa., \$75,000.** Architect, J. A. Dempwolf, Cassatt Building, York, Pa. Owners, Western National Bank, care of E. A. Rise, cashier, York, Pa. Vermont marble, 1 story, 24x180 feet, slag roof, maple floors, tile and marble work, metal lath, hollow metal sash, kalamein doors, hollow metal skylights, roof ventilators, metal window guards, bank fixtures, ornamental iron work. Drawings in progress.

**Group of Buildings, York, Pa.** Architect, J. A. Dempwolf, Cassatt Building, York, Pa. Owner, Harry Read, York, Pa. Brick, fireproof. Foundry building, machine shop, erection shop, office. General layout for future development, including housing for employees. Sketches in progress.

**Group of Buildings, York, Pa., \$50,000.** Architect, J. A. Dempwolf, Cassatt Building, York, Pa. Owner, New York Wire Cloth Co., York, Pa. Brick, fireproof. Drawings in progress.

**Farmer's House, Springwood Farms, York, Pa.** Architect, J. A. Dempwolf, Cassatt Building, York, Pa. Owner, J. C. Schmidt, York, Pa. Brick and frame, 2 stories, 26x38 feet, shingle roof, yellow pine floors. Plans in progress.

**Church, York, Pa., \$35,000.** Architect, J. A. Dempwolf, Cassatt Building, York, Pa. Owner, Christ's Lutheran Church, York, Pa. Restoration and additions, marble work, metal lath, changing and wiring of organ, cabinet work in church. Plans practically completed.

**Parish House, York, Pa., \$30,000.** Architect, J. B. Hamme, City Bank Building, York, Pa. Owner, St. Matthew's Lutheran Church, care of Rev. M. R. Homsher, York, Pa. Brick, 2 stories and basement, slate roof, electric light. Preliminary plans in progress.

**School, West York, Pa.** Architect, private plans. Owner, West York School Borough, care of President Spahr, York, Pa. General fire repairs. Old plans used. Ready for bids.

**Y. M. C. A. Building, Hanover, Pa., \$150,000.** Architect, C. M. Anderson, 324 North Charles street, Baltimore, Md. Owner, Y. M. C. A., Hanover, Pa. Brick, steel and reinforced concrete. Plans in progress.

**Residence, Penfield, Pa.** Architect, private plans. Owner, L. H. Pizzani, 903 Walnut street, Philadelphia. Brick and stone, 2 stories, 33x40 feet, asbestos shingle roof, stone foundations, hot water heat, electric light, mill work, heat, hardware. Owner taking bid from Wm. R. Dougherty, 1610 Sansom street, Philadelphia, Pa.

**Residence and Garage, Sunbury, Pa.** Architect, W. H. Lee, 32 South Seventeenth street, Philadelphia. Owner, Edward Rohrbach, Sunbury, Pa. Brick and hollow tile, 2½ stories, 40x40 feet, and 1 story, 20x24 feet, tile roof, oak floors, concrete foundations, hot water heat, electric lighting, tile work. Owner is taking bids.

**Theatre Building, Ninth and Spring streets, Reading, Pa.** Architect, W. H. Lee, 32 South Seventeenth street, Philadelphia. Owner, Carr & Schad, Colonial Theatre Building, Reading, Pa. Brick and steel, 1 story, 113x200 feet, slag roof, concrete foundations, steam heat, electric lighting, tile and marble work, fire doors, concrete floors. Plans in progress. Architect will take bids in about two weeks.

**Service Building and Apartments, Lansdowne, Pa.** Architects, Lachman & Murphy, 356 Drexel Building, Philadelphia. Owner, Gallagher Bros., Chester, Pa. Brick and steel, 2 stories, 60x61 feet, slag roof, pine and mosaic floors, stone foundations, hot water heating, electric lighting, terrazzo work, rolled steel skylights, metal lath. Architects taking bids due July 7th. Wills-Ludwick Co., 1708 Sansom street, are figuring.

**Stores and Apartments, Jenkintown, Pa.** Architect, Albert Schenck, Real Estate Trust Building, Philadelphia. Owner, Clarence J. Shilcock, Broad and Westmoreland streets. Brick, 2 stories, 18x60 feet, slag roof, pine floors, stone foundations, hot water heat, electric light, tile and marble work, rolled steel skylights. Architect taking bids, due July 10th. E. E. Hollenback, Inc., 1804 Brandywine street; D. W. Sperry, Jenkintown, Pa.; W. John Stevens, Wyncote, Pa.; Henry P. Schneider, 3713 Old York Road, and Lewis T. West, 828 Broadway, Camden, N. J., are figuring.

**Residence, Lansdowne, Pa.** Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Thomas M. Longcope, Franklin Building, Philadelphia. Brick, 2½ stories, 25x38 feet, wing 13x17 feet, shingle roof, pine floors, electric lighting, tile and marble work (heat reserved), stone foundations, iron work. Architects taking bids, due July 8th at 5 P. M. Bowden Const. Co., 1713 Sansom street; F. B. Davis, 240 North Sixteenth street; E. J. Kreitzburg, 1345 Arch street; Lansdowne Const. Co., and J. Howard Roberts, both of Lansdowne, Pa., are figuring.

## Pennsylvania

### Contracts Awarded

**Y. M. C. A. Building, Lewistown, Pa., \$150,000.** Architect, J. B. Hamme, City Bank Building, York, Pa. Owner, Y. M. C. A., Lewistown, Pa. Hardwood floors, electric light, tile and marble work. Contract awarded to W. D. Steinback & Son, Reading, Pa., who are taking sub-bids on interior work.

**Parish Buildings, Highland Park, Delaware County, Pa.** Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owner, St. Lawrence's Roman Catholic Church, care of Rev. Maurice J. Cowl, Highland Park, Pa. Stone, brick and steel, 2 stories, 36x36 feet, and 1 story, 52x145 feet, (2) wings, 24x36 feet, slate roof, pine and hemlock floors, tile and terrazzo work, metal window guards, stone foundations, iron work. Contract awarded to Edw. Fay & Son, 2 South Mole street, Philadelphia.

**School, York, Pa.** Architect, Edward Leber, Hay Building, York, Pa. Owner, Father H. J. Howarth, St. Rose of Lima's Church, York, Pa. New toilets and other interior work. Contract awarded to Hess Bros., York, Pa.

**Dormitory and Swimming Pool, East Market street, York, Pa.** Architect, R. A. Stair, Guardian Trust Building, York, Pa. Owner, Y. M. C. A., East Market street, York, Pa. Brick, 2 stories, 33x60 feet, slag roof, fireproof floors, tile work. Swimming pool awarded to Hess Bros., York, Pa. Dormitory awarded to G. W. Gilbert, York, Pa.

**Residence, Budsboro, Pa., \$25,000.** Architect, R. A. Stair, Guardian Trust Building, York, Pa. Owner, H. M. Willets, on premises. Brick, 2 stories, 70x36 feet, concrete foundations, slate roof, hardwood floors, vapor heat, electric light, tile and marble work. Contract awarded to L. H. Focht, Reading, Pa.

**School, Downingtown, Pa.** Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owners, Friends' School, care of J. G. McIlvaine, 58th and Woodland avenue, Philadelphia. Frame, 1 story, 38x40 feet, slate roof, stone foundations, hot water heat, electric lighting, wood floors. Contract awarded to George H. Fisher, East Downingtown, Pa.

**Residence and Garage, No. 412, Downingtown, Pa.** Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, A. F. Huston, Graystone, Downingtown, Pa. Stone,

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hollow tile and plaster, 2½ stories, 30x113 feet, garage, 2 stories, 25x70 feet, slate roof, oak and cement floors, stone foundations, hot air heat, electric light, tile and marble work. Contract awarded to Milton W. Young, Overbrook, Pa.

**Residence**, Cynwyd, Pa. Architect, Frank Seeburger, Weightman Building, Philadelphia. Owner, A. W. Pickford, 120 Birch road, Cynwyd, Pa. Stone, 2½ stories, 28x67 feet, shingle roof, oak and pine floors, stone foundations, hot water heating, electric lighting, tile work, metal lath. Contract awarded to J. F. Kearney, 34 South Seventeenth street, Philadelphia.

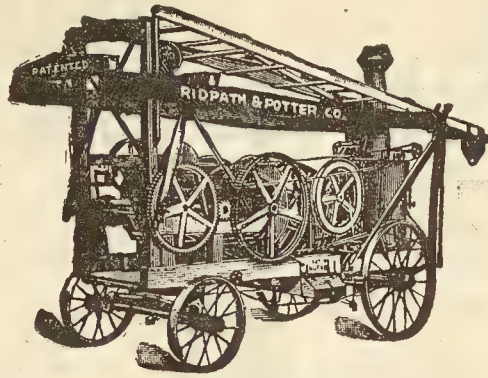
**Residence**, Sedgwick Farms, Pa. Architect, Ashton S. Tourison, 7014 Boyer street, Germantown. Owner, D. W. Bond, 325 High street, Germantown. Stone, 3 stories, 27x43 feet, slate roof, oak floors, stone foundations, hot water heat, electric lighting, tile and marble work. Contract awarded to E. J. Tourison, 20 Westview street, Germantown.

**Tank and Tower**, Spec. 3919, Fort Mifflin, Pa., \$9,500. Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Steel and concrete. Contract awarded to Stang & Mitchell, 629 Real Estate Trust Building.

**Residence**, Springfield, Pa. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, Donald Lindsay, Springfield, Pa. Frame and stucco, 2½ stories, 27x54 feet, composition shingle roof, oak floors, hot water heat, electric lighting, tile work. Contract awarded to Baldwin Const. Co., Court House Square Building.

**Residence**, Jenkintown, Pa. Architect, Edgar W. Wightman, 1602 North Fifteenth st., Philadelphia. Owner, F. C. Edmonds, Jenkintown, Pa. Stone, 2 stories, 33x37 feet, wing 18x22 feet, slag roof, oak and pine floors, stone foundation, electric lighting, tile and marble work (heating reserved), iron work. Contract awarded to Specht & Sperry, Heed Building, Philadelphia.

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## NEW JERSEY Construction News

**Residence and Garage**, Haddonfield, N. J. Architect, W. W. Sharpley, Presser Building, Philadelphia. Owner, Oscar Twitchell, Haddonfield, N. J. Hollow tile and stucco, 2½ stories, 40x80 feet, shingle or asbestos roof, oak and cement floors, stone foundations, hot air heat, electric lighting, tile and marble work, stone foundations. Architect taking bids due July 11th. J. Draper, Louis T. West, and William Wrixford, all of Camden, N. J., and Samuel Taylor, Haddonfield, N. J., are figuring.

**Ball Room and Garage and alts. to Residence**, Atlantic City, N. J. Architects, Price & McLanahan, Bellevue Court Building, Philadelphia. Owner, Charles K. Smith, Jr., Chelsea and Pacific avenues. Stucco, steel and brick, 2 stories, 35x40 feet, slate roof, cement and maple floors, hollow tile, metal lath, stone foundations, hot water heating, electric lighting, tile and marble work, rolled steel skylights, waterproofing, iron work. Architects taking revised bids due as soon as possible. Pringle Borthwick, 8018 Germantown avenue; Cramp & Co., Denckla Building, and Pomeroy Const. Co., 1609 Ranstead street, Philadelphia, are figuring.

**Dwelling**, West Collingswood, N. J., \$12,000. Architect, Moffett & Truscott, 30 North Third street, Camden, N. J. Owner, name withheld. Tile, 2½ stories, 30x58 feet, shingle roof, hardwood floors, electric light, tile work. Plans in progress.

**House**, Bridgeton, N. J., \$25,000. Architect, Custer & Gill, Third and Market streets, Camden, N. J. Owner, name withheld. Hollow tile, 2½ stories, 25x90 feet, tile roof, hardwood floors, hot water heat, electric light, tile and marble work, 4 baths. Plans in progress.

**Bungalow**, Bridgeton, N. J. Architect, Custer & Gill, Third and Market streets, Camden, N. J. Owner, Miss R. Charlesworth, Bridgeton, N. J. Frame, 1 story, 24x35 feet, shingle roof, hardwood floors, pipeless heat, electric light. Owner taking sub-bids.

**Cub House (alts. and add.)**, Absecon, N. J. Architect, Elisha Harris Janes, 105 West Fortieth street, New York City. Owner, Seaview Golf Club, care of C. H. Geist, president, Land Title Building. Brick and stucco, 3 stories, 35x71 feet, 45x91 feet and 32x43 feet, slate roof, pine floors, concrete foundations, tile and marble work, metal lath, elevators, waterproofing, fire doors, iron stairs. Owners taking bids. Geo. A. Fuller Co., Widener Building; H. E. Baton, 1713 Sansom street; Milton W. Young, Overbrook, Pa.;

Jacob Myers & Sons Co., Witherspoon Building, Philadelphia, and J. V. Mathis, Atlantic City, N. J., are figuring.

**Jail and Warden's House (alt. and add.)**, Toms River, N. J. Architect, Thomas Stephens, Camden, N. J. Owner, Board of Freeholders of Ocean County, Toms River, N. J. Hollow tile and stucco, 2 stories, 35x36 feet, slag roof, concrete and oak floors, stone foundations, hot water heat, electric light, hollow tile, metal window guards. Architect taking bids, due at Toms River. Wills-Ludwick Co., 1708 Sansom street; J. W. Draper, Camden, N. J.; Fred Lange, Audubon, N. J., and Pauley Jail Building Co., New York City, are figuring.

**Residence**, Wenonah, N. J. Architect, Morris & Erskine, Crozer Building, Philadelphia. Owner, A. H. Everhard, Wenonah, N. J. Frame, 2½ stories, 25x30 feet, shingle roof, hardwood floors (plumbing, hot water heat, electric light and tile work reserved), marble work, stone foundations. Architects have received bids.

**Bungalow**, Riverton, N. J. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, W. A. Welsh, Ocean City, N. J. Frame, 1 story, 50x60 feet, shingle roof, hollow tile foundations, hot water heat, electric light, oak and pine floors. Architects have received bids.

**Roads and Walks**, Spec. 3881, Section Base, Cape May, N. J. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Lowest bidder, Hugh S. Roberts, 1123 Broadway, \$70,792, 150 days.

**Bank**, Woodbury, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, First National Bank, Woodbury, N. J. Brick and granite, 1 story, 35x106 feet, slag roof, marble and reinforced concrete, steam heat, ventilating system, electric light, tile and marble work, cast iron sash, vault. Architect taking bids due July 9th. Wm. R. Graham, 3649 Filbert street, and Wills-Ludwick Co., 1708 Sansom street, are figuring.

**Church (alts.)**, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Fourth Presbyterian Church, Trenton, N. J. Hollow tile and brick, concrete and yellow pine floors (stone work reserved). Architect taking bids, due July 3rd. James Morris Co., Broad Street Bank Building; Burton & Burton, American Mechanics' Building; S. W. Mather, New Trenton Building, and Fred Parker, 327

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## NEW JERSEY

## Contracts Awarded

Calhoun street, Trenton, N. J., are figuring.

**School (alts.),** Parkway avenue, Prospect Heights, N. J. Architect, R. A. Schuman, 932 Lambertson street, Trenton, N. J. Owners, Board of Education, Edwing Township, Prospect Heights, N. J. Four rooms addition. Plans in progress.

**School,** Camden, N. J. Architect, R. A. Schuman, 932 Lambertson avenue, Trenton, N. J. Owners, St. Joseph's Catholic School, care of Rev. Wierzynski, Camden. Brick, 2 stories, 100x64 feet, 10 rooms, slag roof, hardwood floors, electric light, tile work, roof ventilators. Plans in progress. Architect will take bids next week.

**Parish House (alts.),** Adline and Boss sts., Trenton, N. J. Architect, R. A. Schuman, 932 Lambertson street, Trenton, N. J. Owners, Holy Cross congregation, on premises. Brick (reinforced), new plumbing and heating. Plans in progress.

**Parish House,** Bayonne, N. J., \$150,000. Architect, R. A. Schuman, 932 Lambertson street, Trenton, N. J. Owners, St. John the Baptist Catholic congregation, care of Rev. Buick, on premises. Brick, 2½ stories, 50x38 feet, slate roof, steam heat, electric light. Plans in progress.

**Garage (alts.),** Belevue avenue, Trenton, N. J. Architect, Wm. Klemann, First National Bank Building, Trenton, N. J. Owner, Owner Moon, Trenton, N. J. Brick, 41x26 feet. Plans in progress.

**Theatre,** South Broad street, Trenton, N. J. Architect, Wm. Slack, St. Regis Theatre Building, Trenton, N. J. Owner's name withheld. Brick, terra cotta trimming, 100x175 feet, stone foundations, slag roof, steam heat, electric light, tile and marble work, tile, concrete and composition floors, hollow metal skylights, kalamein doors. Architect will take bids next week.

**House and Garage,** Greenwood avenue, Trenton, N. J. Architect, Wm. Slack, St. Regis Theatre Building, Trenton, N. J. Owner, Leo Salamandra, Chestnut avenue, Trenton, N. J. Brick, 2½ stories, 30x40 feet and kitchen addition, stone foundations, slate roof, hardwood floors, hot water heat, electric light, tile work. Architect will take bids next week.

## PERSONAL NOTES.

A. Stang, an experienced steel contractor, and G. F. Mitchell, formerly assistant structural sales agent of the Bethlehem Steel Company, have formed a partnership under the name of Stang & Mitchell, contracting engineers. They have opened an office at 629 Real Estate Trust Building, Philadelphia.

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W. H. Lee, architect, of Shamokin, Pa., has opened additional offices at 32 South Seventeenth street, Philadelphia.

\* \* \*

Clark & Dudnick, architects, have opened offices at 618 Drexel Building, Philadelphia.

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W. Childs Hodgins, architect, formerly at 1312 Walnut street, has moved to 135 South Fifteenth street, Room 312.

**Dwelling,** 523 Mickle street, Camden, N. J. Architect, private plans. Owner, R. G. Dowling, Bridge and Haddon avenues, Camden, N. J. Brick, 2 stories, 20x42 feet, slag roof, maple floors, hot air heat, electric light. Contract awarded to Mockett Const. Co., Camden.

**Moving Picture Theatre,** 1500 Mt. Ephraim avenue, Camden, N. J. Architect, private plans. Owners, Frederick & Mockler, Sixth and Liberty streets, Camden, N. J. Brick, 2 stories, 65x90 feet, stone foundations, slag roof, pipeless heat, electric light, tile and marble work, roof ventilators, hollow metal skylights. Contract awarded to Mockett Const. Co., Camden, N. J.

**Store (add.),** Broadway and Mickle streets, Camden, N. J., \$20,000. Architect, private plans. Owner, Roy Stewart, on premises. Brick, 2 stories, 40x76 feet, concrete foundations, slag roof, maple floors, electric lighting, tile and marble work, plate glass. Contract awarded to Mockett Const. Co., Camden, N. J.

**Fire House,** Camden, N. J. Architect, private plans. Owner, City of Camden, care of George Bender, Chief, Fire Commission, City Hall, Camden, N. J. Brick and terra cotta, 48x70 feet, slag roof, cement floors, steam heat, electric light (heating, plumbing and electric work reserved), ornamental iron work. Contract awarded to J. W. Draper, 436 Haddon avenue, Camden, N. J.

**Victor Grinding Building,** No. 13-A, Camden, N. J., \$40,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Victor Talking Machine Co., Camden, N. J. Brick, concrete and steel, 2 stories, 35x91 feet, slag roof, maple floors, concrete foundations, rolled steel sash (heat and electric work reserved). Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

**Residence (alts. and add.),** Riverton, N. J. Architect, J. Fletcher Street, 129 South Fifth street, Philadelphia. Owner, Stanley Groves, Jr., Riverton, N. J. Plaster, 3 stories, add. 2 stories, 50x50 feet and 20x30 feet, slate roof, tile and rubber floors, hot water heat, electric lighting, tile and marble work. Contract awarded to Stewart L. Maines, Moorestown, N. J.

**Machine Shop (add.),** Camden, N. J., \$7,100. Architect, private plans. Owner, Camden Auto Radiator Co., 509 Federal street, Camden, N. J. Brick, 2 stories, 18x60 feet, slag roof, cement floors, stone foundation (heating and lighting reserved). Contract awarded to Potts Bros. & Cooperson, 129 North Eleventh street.

**Residence (1),** Atlantic City, N. J. Architects, Druckenmiller & Williams, 1527 Chestnut street, Philadelphia. Owner, name withheld. Hollow tile and stucco, 2½ stories, 30x60 feet, tile roof, oak floors, hot water heat, electric lighting, tile work, plumbing. Contract awarded to W. S. Beaumont, Atlantic City, N. J.

**Pattern and Chipping Shop (add.),** Twenty-first and Hayes avenue, Camden. Architect, Chas. E. Oelschlager, 1615 Walnut street, Philadelphia. Owners, Lutz Co., Inc., Thirty-

first and Gray's Ferry Road, Philadelphia. Brick, 1 story, 48x66 feet, stone foundations, steam heat, electric light, composition roof, wood block floors. Contract awarded to Baldwin Const. Co., Court House Square Building, Camden, N. J.

**Factory (alts. and add.),** Camden, N. J., \$50,000. Architects, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owners, Cleveland Worsted Mills Co., Allegheny avenue and Emerald street. Brick, concrete (mill construction), 2 stories, 50x81 feet, wing 25x50 feet, 1 story under present building, 50x74 feet, slag roof, fire doors (roofing, painting, plumbing, electric work, heating and elevators reserved). Contract awarded to Sutton & Stephenson, 1317 Washington avenue, Philadelphia.

**Bungalow,** Merchantville, N. J. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, Albert C. Barber, Merchantville, N. J. Stucco and brick, 1½ stories, 34x51 feet, shingle roof, oak and pine floors, hollow tile, stone foundations, hot water heat, electric light. Contract awarded to Baldwin Const. Co., Court House Square Building, Camden, N. J.

**Store Front,** Princeton avenue, Trenton, N. J. Architect, Wm. Klemann, First National Bank Building, Trenton, N. J. Owner, Isadore Levin, on premises. Plate glass. Contract awarded to Steven Derkneit, Trenton, N. J.

**Factory (add.),** Trenton, N. J., \$20,000. Architect, private plans. Owners, Hamilton Rubber Co., Trenton, N. J. Steel and concrete, 3 stories, 75x75 feet. Contract awarded to Aitken-Bebbington, 113 South Stockton street, Trenton, N. J.

**Factory,** Muirhead avenue, Trenton, N. J., \$13,000. Architect, private plans. Owners, Luzerne Rubber Co., Trenton, N. J. Brick and steel, 2 stories, hollow metal sash. Contract awarded to N. A. K. Bugbee Co., Trenton, N. J.

**College Building,** State and Carroll streets, Trenton, N. J. Architects, Wm. Slack & Son, St. Regis Theatre Building, Trenton, N. J. Owners, Rider-Moore & Stewart School, Trenton, N. J. Contract awarded to S. W. Mather & Son, New Trenton Building, Trenton.

**Residence,** Parkway and Garden avenues, Trenton, N. J. Architect, J. O. Hunt, 114 North Montgomery street, Trenton, N. J. Owner, Mrs. M. I. Delaney, Trenton, N. J. Frame, 2½ stories, 32x32 feet, stone foundations, slate and tin roof, etc. Contract awarded to James H. Morris Co., Broad Street Bank Building.

**Dwelling,** Adeline street, Trenton, N. J., \$12,500. Architect, private plans. Owners, St. Basil's Church, Trenton, N. J. Brick, 2½ stories, 30x40 feet, slate roof. Contract awarded to Dempsey & Hardy, Trenton, N. J.

When business is slow for some reason or other,—is the very time to advertise. When your car gets stuck on a muddy bit of road, you don't go and sit on the bank,—you push, to put it across. Do the same with your business.

Washed Bar Sand and Gravel will take less cement on concrete work. We know how.  
DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



## DELAWARE

## Construction News

**Garage**, Shallcross avenue, Wilmington, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, name withheld. Brick, 2 stories, 24x30 feet, slate roof, cement floors, hot water heat, electric light. Plans in progress.

**House**, Park Drive, Wilmington, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, name withheld. Brick, 2½ stories, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Architect will take bids July 1st.

**Residence and Garage (alt. and add.)** Willard street, Wilmington, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, name withheld. General alterations, new heating, plumbing. Plans in progress.

**Residence**, Warwick, Md. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, name withheld. Brick, stone and frame, 2½ stories, 40x28 feet, 2 wings, stone foundations, shingle roof, hardwood floors, hot water heat, electric light. Plans in progress.

**Residence**, Rockford pike, Wilmington, Del. Architect, E. C. May, DuPont Building, Wil-

ilmington, Del. Owner, name withheld, care of architect. Brick, 2½ stories, 45x30 feet, wing 16x22 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Architect has received bids.

**Storage Warehouse**, Fourth and Greenhill streets, Wilmington, Del. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Wilmington Leather Co., Second and Greenhill streets, Wilmington. Brick, slow burning construction, 2 stories, 135x235 feet, concrete foundations, slag roof, maple floors, electric light. Low bidder, Steward Willey Co., Wilmington, Del.

**Dwellings (5)**, Twenty-seventh street, East of Washington street, Wilmington, \$20,000. Architect, private plans. Owner, Charles P. Witsel, 2523 Jefferson street, Wilmington. Brick, 2 stories, 20x30 feet, stone foundations, slag roof, hot water heat. Owner will build.

**Garages (24)**, Reed and Franklin streets, Wilmington, Del., \$6,000. Architect, private plans. Owner, Broome Toepil Sikorsk, 501 South Harrison street, Wilmington. Brick, 1 story, 11x18 feet. Owner will build.

## DELAWARE

## Contracts Awarded

**Theatre (Moving Picture)**, Sixth and Market streets, Wilmington, \$10,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, W. A. Jones, 2302 Van Buren street, Wilmington, Del. Brick, terra cotta, new front, balcony, lobby and stairway. Contract awarded to J. A. Bader, 923 Market street, Wilmington, Del.

**Dwellings (6)**, Eighteenth and Greenhill streets, Wilmington, Del., \$39,000. Architect, Brown & Whiteside, Wilmington, Del. Owner, Homes Building Co., 923 Market street, Wilmington, Del. Brick and hollow tile, 2 stories, 21x42 feet, concrete foundations, asbestos shingle roof, hot water heat. Contract awarded to J. A. Bader & Co., 923 Market street, Wilmington.

**Apartment (alt. and add.)**, 904-06 Jefferson street, Wilmington, Del., \$3,000. Architect, private plans. Owner, Mrs. Evelyn Husbands, on premises. Brick, 3 stories, 10x35 feet, electric light. Contract awarded to T. L. Husbands, 604 West Twentieth street, Wilmington.

**Brewery (add.)**, 1628 West Sixth street, Wilmington, Del., \$7,500. Architect, private plans. Owner, Bavarian Brewing Co., 1628 West Sixth street, Wilmington, Del. 30x101 feet. Contract awarded to Joseph Schunder, 600 Rodney street, Wilmington.

**Garages (5)**, 17 Storel street, Wilmington, Del. Architect, private plans. Owner, John Sciminiski, Wilmington, Del. Brick, 1 story, 9x18 feet, stone foundations. Contract awarded to John Tomezak, 612 South Franklin street, Wilmington, Del.

**Factory**, Fourth Unit, Wilmington, Del.,

\$135,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Standard Kid Co., Wilmington, Del. Concrete and frame, 6 stories, 202x71 feet, composition roof, concrete floors, electric light. Contract awarded to J. A. Bader, 923 Market street, Wilmington, Del.

**Residence (alts. and add.)**, Claymont, Del. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owner, E. H. Worth, Claymont, Del. Stone and brick, 3 stories, 40x50 feet, shingle roof, stone foundations, hot water heat, electric light, tile and marble work, oak floors, structural steel and iron work. Contract awarded to Lansdowne Const. Co., Lansdowne, Pa.

**Store and Apartment**, Shipley and Eighth streets, Wilmington, Del., \$80,000. Architect, E. L. Rice, 815 Market street, Wilmington, Del. Owner, Wm. A. Casey, 801 Shipley street, Wilmington, Del. Brick, 4 stories, 25x51 feet, stone foundations, asbestos roof, vapor heat, electric and gas light, pine floors, tile and marble work, cement work, roof ventilators. Contract awarded to John E. Healey & Son, 707 Tatnall street, Wilmington, Del.

**Garage**, Park Drive, Wilmington, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, name withheld. Brick, 2½ stories, 24x30 feet, stone foundations, slate roof, cement floors, electric light. Contract awarded to Wm. Haddock & Co., 804 Orange street, Wilmington, Del.

**House (alt.) to Apartment**, Seventh and Orange streets, Wilmington, Del. Architect, E. L. Rice, 815 Market street, Wilmington, Del. Owner, Wm. W. Bottomley, on premises. Brick, mill work, plumbing, painting, plas-

tering, electric work. Contract awarded to C. J. Dougherty, 2515 West Eighteenth street, Wilmington, Del.

## Miscellaneous

## Construction News

**Marine Barracks**, Spec. 3916, Quantico, Va., \$310,000. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Corrugated metal and steel, 1 story, corrugated metal roof, concrete floors and foundations, roof ventilators, electric light, rolled steel sash and skylights. Contract awarded to Hughes-Foulkrod Co., Commonwealth Building, Philadelphia, Pa.

**Residence**, Bordman, Youngstown, Ohio. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Mrs. George D. Wick, Bordman, Youngstown, Ohio. Hollow tile, 2½ stories, 35x80 feet, wing 20x40 feet, slate roof and tile roof, oak and composition floors, stone foundations, vapor heat, electric lighting, tile and marble work. Contract awarded to Frank Vogelberger, Youngstown Ohio.

**Factory Building**, Oak street and North avenue, Baltimore, Md. Architect, Le Roy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, Oakland Car, Reinhard Motor Co., Baltimore, Md. Steel frame and frame, 4 stories, 40x110 feet, slag roof, tile floors, steam heat, electric lighting, (1) elevator. Architect taking additional bid from D. Henwood, 1509 Wood street, Philadelphia.

**Hotel and Garage**, Havre de Grace, Md., \$90,000. Architect, John B. Harmon, 48 North Green street, Lancaster, Pa. Owner, Hotel Bayou Co., care of E. F. Piersel, Havre de Grace, Md. Brick, 3 stories, 62x128 feet and 65x60 feet, electric light, hardwood and concrete floors. Drawing plans. E. F. Piersel Const. Co., Havre de Grace, Md., will build.

**Industrial Buildings**, Spec. 3909, Hampton Roads, Va. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Brick, concrete and steel, 1 story, various sizes, asbestos roof. Lowest bidder, Boyle Robertson Const. Co., Evans Building, Washington, D. C., \$210,290, 100 to 210 days.

**Group of Buildings, Concrete Roads and Walks**, Spec. 3905, Anacostia, D. C. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Brick, concrete, stucco and frame, 1 story, 17 buildings. Lowest bidder, John Gill & Son, Cleveland Ohio, \$366,000, 180 days.

**Structural Shop (add.)**, Spec. 3920, Navy Yard, Boston, Mass. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Low bidder, George A. Fuller, Boston, Mass., \$424,861, 165 days.

**Boat Shed and Dredging**, Spec. 3974, Hampton Roads, Va. Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Frame and steel, 1 story, 28x550 feet, slate roof, wood pile foundations. Lowest bidders: H. P. Converse & Co., Norfolk, Va., \$30,480, 75 days; McHarg & Barton Co., 171 Madison avenue, New York City, \$32,400, 75 days.

**Theatre, Apartments and Offices**, Baltimore, Md. Architect, Frederick T. Uezzell, 717 Walnut street, Philadelphia. Owner's name withheld. Stone, concrete and steel. Preliminary plans in progress.

We have pebbles all sizes. Cost less than what you are using. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



## HOUSING—ITS RELATION TO SOCIAL WORK.

(Continued from Page 384.)

vironment may seem to offer no hope of betterment, it will at least lessen their misery when they are taken out of damp, dark rooms. It will lessen their chance of disease, and the chance of giving contagions to others. It will lessen congestion, and reduce the moral menace to other families.

Now, as I said, it is bad housing—slums—that I must treat of mostly. It is to the slums, or near-slums, that you generally go to find your patients. It is there the police are oftenest called, where the patrol and ambulance make most trips; where the quarantines are oftenest necessary. If it were not for slums, a lot of social workers would lose their jobs; the police force, the fire department and the health department could all be cut down. Fire insurance would be cheaper, in many districts, and so would life insurance. You know, doubtless, that life insurance companies will not give premiums in the worst slum districts.

I might go a little further and say that if it were not for houses we would not have some of our diseases. Before houses, there was no tuberculosis, probably no pneumonia. Both are house diseases. You find them worst where you find most dark rooms and congestion.

I mean the worst old houses in your community, whether you have 2,000,000 or 200—the houses where you keep your poor. Shut your eyes and think of the places where your poor live. I have visited the slums of many states, in cities, villages, or country places. I can see now the place that is before your mental vision. It is a rickety old house.

The house you are thinking of is one of the oldest houses in the town. Ten to one it was the home of an early settler, perhaps once a mansion. Now it is tumbledown, rotting, weather beaten, gray. It stands flat on the ground. Other houses have crowded up against it, perhaps business houses, so that it is dark and gloomy. It has several families in it, from two to a dozen, or more. They are weather beaten and gray, too. They look like members of the same family, in a way, slipshod, sallow, sullen, unsmiling. Dirty babies are crawling down dirty stairs, dirty children playing in the dirty yard. There is a gray washing in the yard. There are blackened, rotting sheds in the yard, perhaps an old uncovered cistern. The yard is damp, with dishwater and suds. It has

no grass, maybe tall weeds. Garbage is piled on the ash heap, and flies are everywhere.

If the house is in a village, it may have only one or two families. If it is in a city, you are thinking of an old hotel, or a row of tenements, perhaps a Ghetto, where shops below have a display of fish, or old clothes, or junk, or shabby groceries; where old crones with shawls over their heads, draggled skirts, and slippers down at heel sit at the door, with one eye on the customers, the other on a baby in the gutter or the boys fighting in the street.

You have a mental vision of the dark, narrow, dirty stairs, mounting up to dark, narrow, dirty rooms; of filth and odors everywhere—of congested, swarming life.

No matter whether you live in city or country, you see, in your mind's picture, the bent, hollow-chested consumptive; you hear the rattling cough; you see the sick baby, the pale, weary mother.

Tuberculosis is the one unfailing specter that everyone of you encounters, whether you work in back woods slums or big city slums. We find country houses with a record for wiping out two, four, even six families by tuberculosis, in succession, as they move in. These are houses that are *infected*, that could not be disinfected by fumes, by soap, lye or paint, because the crevices are so wide, because the walls are so rough, and the plastering so broken.

It is not possible to escape getting tuberculosis if one moves into such a house, once the disease gets a hold on it. Everything about the house favors the disease, when it is low, damp, musty, dark and gloomy. If the patient is sent away in time, and cured, he takes it again when he comes back. It is a case of *house*.

Every social worker knows what tuberculosis means, in multiplying cost and effort, in leaving dependent orphans and widows, in bankrupting the family by the long illness. I need not dwell on that.

In the city tuberculosis is increased by congestion. Houses built in crowded rows have dark, inside sleeping rooms, dark halls, gloomy yards, if any. I need not do more than mention what the dark room means to tuberculosis. In the city humanity is more condensed. I need not tell you what congestion means to tuberculosis.

I may have to explain, however, that congestion must be counted as a housing evil, because it means inadequate housing facilities, and over-built lots.

So much for tuberculosis. If I stopped here I would feel that the relation of housing to social work had been established.

But there are other house diseases—pneumonia, which congestion, with the consequent foul, vitiated air, makes so much more fatal. "Colds," with their long train of evils, resulting from dampness, sudden chill from draughts, lowered vitality, bad air; inflammation of the respiratory organs, tonsillitis, rheumatism, heart trouble—the long linked chain is found in all of these dark, damp, unventilated, overcrowded houses.

Added to these are the "filth diseases," spread by contact, like eruptive diseases, or typhoid, disseminated in sewage polluted water or filthy milk. These are all increased by congestion.

How much do they all add to the burden of the social worker?

I have the word of more than one visiting nurse that her efforts were useless in many cases, so long as the family lived in the unsanitary houses where they were always sick, and could not get well. "When I go down to Reese's Row they beckon to me from all the doors," one nurse said. All social workers know of cases that have improved in health when moved to sanitary quarters, until the bread winner had been able to go back to work, and the family was no longer dependent.

I have said that before houses certain diseases did not exist. Have you ever thought that even our crimes have changed?

Before we had large cities, crimes were mostly due to too high spirits and the over abundant vitality of outdoor people. Read the old sages—read the stories of early Saxon or Briton fights and robberies.

I appeal to those who have charge of our reformatories to know if crimes now are not mostly due to diseased bodies or brains, or to defective mentality; to minds over-clouded by brooding among shadows; or due to lowered resistance, to low vitality, and the stimulants craved as an offset to low vitality; to the over-close contact forced by congested living, and the nervous irritability due to the foregoing conditions.

(Continued Next Week.)

An old legend tells of a magician's vase; the magician could get out of it only that which he put in. Advertising is just that. If you don't get into it the "kick" of salesmanship it is going to miss by just that much the pulling power it ought to have.

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Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

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Wagner-Taylor-Edson Co., Inc.,  
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O. W. Ketcham.....Builders' Exchange, Phila.

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|--------------------------------------|-----------------|
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| Cash in Banks.....                   | 2,395,335.33    |
| Premiums in course of transmission.. | 3,203,681.96    |
| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

### LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

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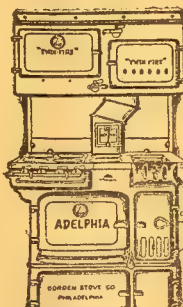
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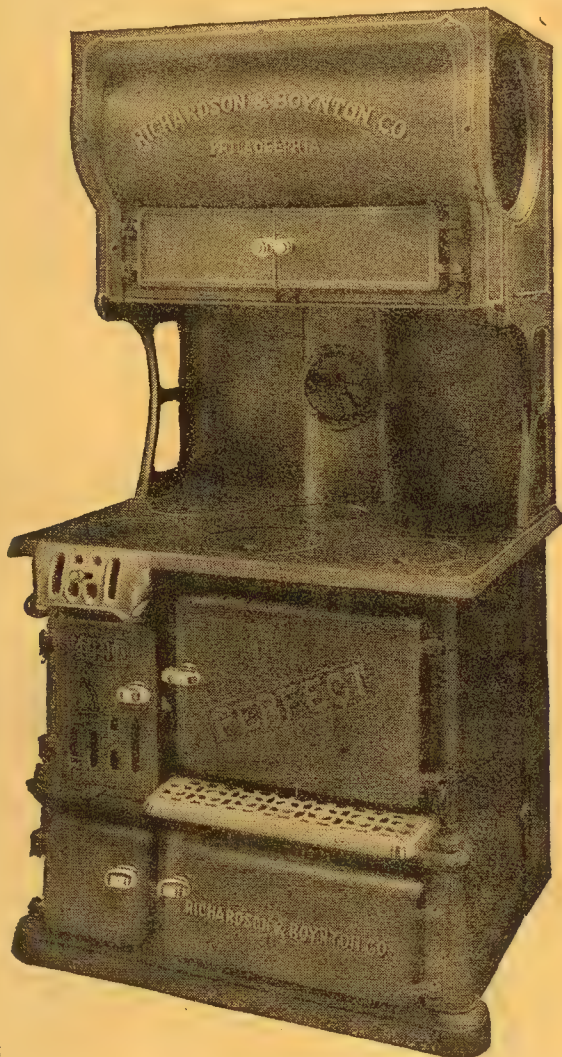
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 28  
July 9, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

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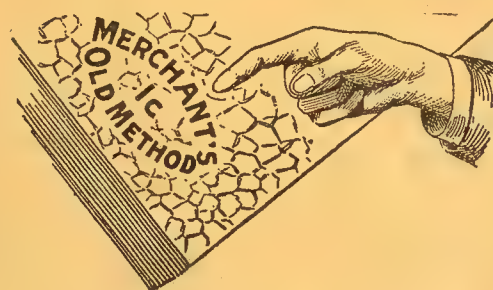
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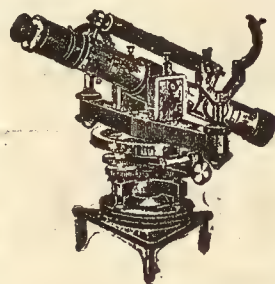
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV

Number 28

PHILADELPHIA

July 9, 1919

## BUILDERS' GUIDE

OFFICES, PERRY BUILDING (Suite 824-825-826)  
Sixteenth and Chestnut Sts., Philadelphia, Pa.

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BY

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## As The Editor Sees It



CERTAIN important factors having direct bearing upon business conditions today, have been the subject of much interesting discussion and speculation during the past six months. For instance, the question of prices and price tendencies has been talked of on every hand. To build or not to build has been one of the issues of the hour. Now, however, there is every indication that these questions have been satisfactorily answered and business confidence seems an established fact.

The building situation has been very deeply concerned in the uncertainty felt as to prices of materials and labor, and the great and steady increase in building activity evidenced since the beginning of the year is manifestation of an ever-strengthening business confidence.

"American business," says the *American Contractor*, "has learned that its condition is sound. A period of greatly reduced activity has been accompanied by remarkably few business failures. Business has also given over the expectation of falling prices, which, for a time, acted as the strongest deterrent against resumption of activity. Increased prices and increased wages did not retard business during the war. The fact that they need not retard business now is pretty thoroughly understood today. The commercial recovery during the past two months has been remarkably rapid and far-reaching. In this recovery perhaps the most significant indication that confidence has returned is the widespread

resumption of building operations.

In order that building activity may assume proportions sufficient to meet the country's needs for new homes and buildings of every description, it is necessary that large funds must be secured for mortgage investment.

The special committee on housing appointed recently by the Merchants Association of New York has just submitted a preliminary report which states that the problem of producing construction, both for homes and for business use, is a problem of securing funds for building. These funds will have to be provided in large volume, and while many temporary expedients have been suggested, it is absolutely necessary to secure at once a continuing flow of capital into the building business if immediate and permanent relief is to be afforded. To be sufficient and permanent, this must be free capital widely distributed which will seek this employment because of the assurance of the reasonable return which will come to it. It is deterred from this employment now by excessive taxation and by the denial of a proper return after the investment is made.

The report continues that there is a great dearth of funds available for mortgage investment. Practically all building is conducted on borrowed money and there is a drift of capital away from the mortgage market now instead of towards it, and it is largely because of the heavy taxes on the income. This drift can be

reversed and turned in large volume toward the mortgage market if the average investor is assured that he can have a fixed portion of his capital invested in mortgages and be relieved of income tax and surtaxes on the interest upon his investment.

In view of the foregoing conclusions, the committee recommended for immediate action the adoption by the Merchants' Association of the following resolution:

"Resolved, That the first step toward the securing of sufficient amounts of capital for construction purposes is the attracting of capital into the mortgage market by means of which the building business is largely supported, and therefore that the congress be urged to pass a law exempting from federal income taxes, including surtaxes and excess profits taxes, the interest on mortgages on real estate in the United States to the extent of \$40,000 owned by any taxpayer."

\* \* \*

Building all over the country is behind about three billion dollars. We curtailed our buying about eight billion dollars a year to spend the money to get the Kaiser. After having shelved the Kaiser, the country has to work to fill the empty shelves of the stores.

The Old World will have to buy about seven billions' worth of our materials a year, at least for two years. South America needs two billions a year. Yet there are people among us who worry about the future.

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## HOUSING—ITS RELATION TO SOCIAL WORK

BY ALBION FELLOWS BACON.

In this connection I may say that in our conferences on mental hygiene we have discussed the relation of housing to insanity and feeble-mindedness. It was agreed by various experts that congestion and dark rooms made every menace of the feeble minded, and every danger to the feeble minded greater. It was also agreed that many a mental breakdown was hastened by the breakdown in health due to unsanitary living condition; and that depression, lowered vitality and irritability, due to house gloom, to noise, to lack of privacy and the general wretchedness of slum living, accelerated many a mental wreck.

Put a strong, normal person into a slum, and he will have a fight to keep his physical and mental poise.

Put a sickly, subnormal person into the slums, and he is overwhelmed.

As social workers find so much of their work among the mentally subnormal, I feel this is in place.

Of course, heredity gives us the mental defective. Environment makes the very worst out of him, and of his children.

Vice also meets the social worker. All I have to say about the relation of bad housing to vice is that the dark room is the mother of shame; that dark rooms and halls offer temptation to both vice and crime. That congestion also makes vice almost inevitable, and that vice is found in connection with congestion and the dark room. The common use of every convenience by both sexes, young and old, promotes vice. Promiscuous living promotes vice. I need not cite examples. You know them. You know that the child of the slums lives in a school of vice.

As a corroboration of the effect of environment, I have had old houses pointed out to me by officers, in different cities. They would say. "Before we cleaned these places up, we had arrests every few days. Now we have no trouble. The people seem to have more self-respect."

This seems to be the keynote of the effect of the slums on family life. The social worker knows the necessity of maintaining or awakening self-respect in the family that he is endeavoring to re-instate. In the slums there is everything to degrade, everything to suggest and foster evil. The housekeeper feels that there is "no use" to try to keep her rooms clean, when no one is responsible for the hall, stairs or yard, when dirt is tracked in on her freshly scrubbed floor, and when soot pours in through the loose window frames. The more thrifty who move into an old tenement

soon succumb to the shiftless, easy-going habits of the older tenants. What, indeed, is the use, when the job is hopeless, to try to make a slum look home-like? I need not go into the details of sights, odors, inconveniences, that every one of you recall. When you went to wait on a sick mother, you had to go downstairs for water to wash the baby, go across the hall to get something to wash it in, and go upstairs to heat the water. You had to close the window to keep out smells and flies, you had to put a chair against the door to keep out the fighting boys. When you found her husband had deserted her, you wondered how he had slept in that stuffy room so long, when a hobo life beckoned him to sweet air and the greenwood tree for shelter. When the pretty daughter went wrong, you remembered that she would never bring her "gentlemen friends" up those greasy stairs, to the room where the wash tub and the coal pile jostled the beds, and the family circle had to stand up, and lock arms.

When the little boy got into the juvenile court, you didn't wonder why he stayed out as long as he could keep awake, before he crept into the stifling room, and fell onto his pallet.

And the children, the little ones!! You hear such words on their baby lips, you see such a knowing look in their baby eyes, that you long to gather them up in your arms and fly with them to a daisy pasture, where they can run and play in wind and sun, and grow up strong—and innocent! It is Child Welfare that has been the strong passion that has kept me at housing reform, because, in every city I visit, I see the little old people of the tenements, weazened, pallid, sickly, stunted in soul and body, growing up to a hopeless life, following in the steps of their parents, unless a miracle lifts them out and away from it.

This is what I want to impress on the social workers, everywhere. Whatever home means to us, it means to others, for human nature is the same, and physical nature is the same, and mental laws are unvarying. If it is necessary for us to have peace, quiet, rest, sunshine and air, a cheerful environment, elevating surroundings, it is necessary for all other human beings. If we were wet, cold, hungry, wretched, shut into a dark room, amid noise and confusion, we would have a struggle to keep well, cheerful, good, and to keep up the home life and atmosphere for the rest of the family.

The fact that thousands of children

are growing up in sties that cannot possibly be made homelike or cheerful, that can never have hallowed associations is, it seems to me, a grave menace that social workers should consider.

Let us remember, then, that a dark room is not fit for a home.

A cellar is not fit for a home.

A stable is not fit for a home.

A house crowded with vicious people is not fit for a home.

A fire-trap is not fit for a home.

A death-trap is not fit for a home.

A house in a vile neighborhood is not fit for a home.

A public place, with no safety from intrusion, is not fit for a home.

Remember this when you visit the poor, and to try to save their little children to something better than the parents know.

Remember this when your Chamber of Commerce reaches out windmill arms to rake in new industries, exulting when it lands a factory with hundreds of working men, but makes no provision for finding them homes—when your city is already congested. Remember this when you see these workmen's families forced to double up in the slums, with the poorest and most degraded people. Remember that the *normal family, forced to live in a subnormal environment, sinks to the subnormal*, if it remains long enough—first, physically, through illness or death of the bread winner, or loss of wages by illness. Then, morally, by lowered standards and loss of self-respect.

See how many recruits are brought to the ranks of poverty yearly, in this way. See if you cannot use your influence against putting workmen's families in slums.

Some of you have long realized the truth of my statements. You have resorted to many devices to improve surroundings, but, unless you have a housing law the best you can do, if a house is in very bad condition, is to get the family to move. Then another family goes in, and you have another case. Landlords won't improve slums unless they have to, and they pay from 15 to 50, even 100 per cent., as we have discovered. Nothing but a law will improve the old houses, or get rid of them. Nothing but a fight will get the law. That's why we have not more laws. "It's a long, long trail a-winding" to get a housing law. But it is worth the fight. We have torn down over 500 old houses in my town, and I want to tear down at least 500 more. We have many thousands to tear down in my State before the wreckage of a century is cleared away. And we are making over hundreds that will stand repairs. Other states are doing it, too. What is your State doing? If it hasn't begun on hous-



ing work, begin at once, for, notwithstanding the opposition of slum owners, and the people who believe that the poor are "naturally vicious and like to be dirty," and the people who want to do things the easiest way, you will find that housing reform is fundamental to social work.

Remember, houses are building today that will be killing and costing 50 years hence.

Remember, too, bad housing is like a

two-edged sword. It cuts both ways.

It injures the poor.

It injures the community.

It cuts hardest of all the real estate man whose property adjoins slums.

It tears down the civic structure you are trying to build.

It ruins civic beauty.

It undermines public health and public morals.

It is the stronghold of vice and evil.

Wipe it out.

## BOND PREMIUMS ON GOVERNMENT CONTRACTS

Plan of Action Outlined for Contractors Affected by Recent Ruling of Comptroller of the Treasury—Decision Not Conclusive, But Requires Test Case and Possibly Appeal to Court of Claims—United Action Through the Associated General Contractors of America Needed.

THE form of "cost-plus" contract used by the Construction Division of the War Department during the war provided in Article II under the heading of "Cost of Work" for reimbursement of the contractor's actual net expenditures. Among the various items was the following:

"(h) Such bonds, fire, public liability, employer's liability, workmen's compensation and other insurance as the contracting officer may approve or require."

Article IX provided that

"The contractor shall, prior to commencing said work, furnish a bond with sureties satisfactory to the contracting officer."

Notwithstanding these provisions, the Comptroller of the Treasury has recently held that the form of cost-plus contract in use by the Construction Division does not authorize the reimbursement to contractors of the cost of premiums on their bonds. This ruling has been adhered to in the face of strong objections by the Chiefs of the Construction Division.

### RULING WILL BE UNIVERSAL AND RETROACTIVE

Upon inquiry of representatives of the Construction Division, it is ascertained that it is quite certain that all contractors having unsettled contracts for work under that Division and money due them under such contracts will now have deducted from any balance due them the sum of all payments heretofore made to them covering reimbursement of premium on bonds. This will probably include not only their unsettled contracts, but such payments made upon other contracts of this class upon which settlements have already been made. It is not possible to say whether those who have

no current construction contracts will be called upon to refund all such sums heretofore reimbursed to them. This will depend upon the discretion of the disbursing officers of the War Department and the orders of the accounting officers of the Treasury.

### PLAN OF ACTION FOR CONTRACTORS TO FOLLOW

The matter is one of very wide importance to members of the Associated General Contractors of America and the officers have accordingly taken up the subject for conference with Messrs. King & King, attorneys at law, of Washington, who give their attention chiefly to matters involving the law of Government contracts and are well known to most of our members. As the result of very careful consideration the following suggestions are made.

### FILE RESERVATION, IF PREMIUM IS DEDUCTED

1. If the amount of premium bonds already is deducted from moneys otherwise due upon current contracts, the contractors should accompany the voucher covering any such payment and showing such deduction with a letter containing substantially the following language:

"It is to be understood that in accepting payment evidenced by the attached voucher under our contract of . . . . ., for constructing . . . . ., we do so without in any wise waiving our legal rights to full reimbursement under the terms of our contract of all sums paid by us as premium on bonds. We expressly reserve our rights to reimbursement of all sums paid by us on such account.

This letter should be pasted to the voucher.

### REFUSE TO MAKE REFUNDS

2. Those who are called upon to refund any payments of the kind noted should decline to do so absolutely and leave the Government to take such action as it may deem advisable looking to a recovery.

### NEW RULING HELD UNLAWFUL

The attorneys named have given us their opinion that the contracts entitle the contractors to reimbursement of these premiums, that the deduction is unlawful, and that it can be recovered by future proceedings in the Treasury Department or before the Court of Claims.

### COMPTROLLER'S DECISION NOT CONCLUSIVE

The opinion of the Comptroller above referred to was given as an advance opinion to several disbursing officers. This will govern the action of all disbursing officers for the future, but it is not conclusive even in the Comptroller's office. The matter can be brought before the Comptroller again upon a claim duly presented by any contractor. This claim must be filed with the Auditor for the War Department and will be disallowed by him and then appealed to the Comptroller. The Comptroller will then hear legal argument upon the merits of the question. The opinion already rendered will be considered by him as *prima facie* correct, but he will not hold it to be finally binding upon him, if convinced to the contrary by any arguments then presented to him. There are numerous precedents for the Comptroller reversing in a claim thus brought before him, an advance opinion rendered to a disbursing officer.

### CAN APPEAL TO COURT OF CLAIMS

Should the Comptroller decide this test case favorably, the other claims will be paid. If the Comptroller adheres to his unfavorable decision, a test case can then be taken before the Court of Claims. If the Court of Claims decides in favor of the contractor in the test case, the Comptroller will probably reverse his decision and allow other claims of the same nature, if they have not already been brought before him and adversely decided.

### CAN FORCE U. S. TO BRING SUIT

It is also possible to test this question by insisting upon a suit being brought against a contractor by the United States. It may be thought best to take this course, but at present it is thought best to make the test by a suit in the Court of Claims.

### CONTRACT ALREADY BARS REFUND

It is not probable that any contractors

(Continued on Page 410.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Twin Residences (3 prs.),** Germantown, Philadelphia. Architects, Hawley & Hawley, 34 South Seventeenth street, Philadelphia. Owner, B. B. Lister & Son, 5612 Germantown avenue, Philadelphia. Brick; 2 stories, 16x40 feet, slate or asbestos roof, stone foundations, hot water heat, electric light. Plans in progress.

**Convent (add.),** Seventeenth and Ritner streets, Philadelphia. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owner, St. Monica's Roman Catholic Church, care of Rev. John J. Welsh, on premises. Stone, 3 stories, 35x90 feet, slag roof. Plans about completed.

**Warehouse (add.),** 1215 North Third street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Rice Brothers, 1215 North Third street, Philadelphia. Brick, 3 stories, 18x60 feet, slag roof, pine floors, stone foundations (heat reserved), electric light. Architect has received bids.

**Residence,** Queen Lane Manor, Philadelphia. Architects, Hawley & Hawley, 34 South Seventeenth street, Philadelphia. Owner, Frank H. Burpee, 1814 Venango street, Philadelphia. Brick and rough cast, 2½ stories, slate roof, electric lighting. Plans in progress. Too early for details.

**Residence,** Moreland avenue above Navahoe street, Germantown. Architect, C. A. Ziegler, Stephen Girard Building, Philadelphia. Owner, J. K. Williams, 1420 Pine street, Philadelphia. Stone, 2½ stories, 32x65 feet, shingle roof, oak floors, hot water heat, electric and gas lighting. Architect taking bids due July 10th. A. L. Fretz & Son, Heed Building; I. A. Dunkelberger, 71 East Herman street; William H. Eddleman & Son, 453 Green Lane, Roxboro, Philadelphia; R. C. Ballinger & Co., 218 North Thirteenth street; F. B. Davis, 240 North Sixteenth street; Wolverton & Co., 28 East Willow Grove avenue, and Fesmire & Co., Glenside, Pa., are figuring.

**Garage,** 6127 Oxford street, Philadelphia. Architect, H. Childs Hodgins, 130 South Fifteenth street, Philadelphia. Owner, C. A. Freihofer, Twentieth and Indiana avenue. Brick, 1 story, 17x22 feet, asbestos shingle roof, cement floor, stone foundations, electric lighting. Architect taking bids due as soon as possible. J. M. Yardley, 1716 Sansom street; F. A. Havens & Co., 845 North Nineteenth street; H. E. Baton, 1713 Sansom street; Joseph F. Myers, Jr., & Co., 2137 Ridge avenue, and Conneen Const. Co., Fuller Building, are figuring.

**Bank Building,** Northwest Corner Fourth and Lombard streets, Philadelphia. Architect, J. Horace Frank, Real Estate Trust Building, Philadelphia. Owner, M. L. Blitzstein, Northeast Corner Fourth and Lombard streets, Philadelphia. Indiana limestone and stone columns, 1 story and mezzanine floor, 27x45 feet, slag roof, reinforced concrete, reinforced concrete floors, stone foundations, hot wa-

ter heat, electric lighting, marble and terrazzo work, mill sash and frames, bank fixtures, metal lath, reinforced concrete vault. Architect will take bids in a few days.

**Store and Dwelling (alts. and add.),** 2906 North Fifth street, Philadelphia. Architect, Greisler, Abramson & Co., Drexel Building, Philadelphia. Owner, M. Gerby, on premises. Brick, rear add., 1 story, 16x28 feet, slag roof, pine floors, hot water heat, electric light, tile and marble work, flush bulk. Architects will take bids in a few days.

**Dwelling,** Eleventh street and Somerville avenue, \$5,500. Architect, private plans. Owner, Dreher & Buckman, 1126 Somerville avenue, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, hot water heat. Owner will build.

**Dwelling,** Righter street, South of Hermit street, Philadelphia, \$6,000. Architect, Amos W. Barnes, 1507 Arch street, Philadelphia. Owner, Charles B. Ayers, 5193 Ridge avenue, Philadelphia. Stone, 2 stories, 21x18 feet, 29x34 feet, hot water heat. Owner will build.

**Dwellings (2),** 814-16 South Thirteenth street, Philadelphia, \$4,000. Architect, private plans. Owner, D. Di Grigorio, 940 South Tenth street, Philadelphia. Brick, 3 stories, 16x12 feet, 12x12 feet. Owner will build.

**Factory,** Twenty-fifth and Westmoreland streets, Philadelphia. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Rosenau Realty Corp., on premises. Brick, cut stone and steel, 1 story, 125x151 feet, slag roof, maple floors, metal lath, damp-proofing (heat and electric light reserved), concrete foundations, tile and marble work, rolled steel sash and skylights, iron work. Architects taking bids due July 11th at 9 A. M. William R. Graham, 3649 Filbert street; F. E. Wallace, 1220 Chancelloor street; A. L. Fretz & Son, Heed Building; E. E. Hollenback, Inc., 1804 Brandywine street; Philip Haibach Cont. Co., Twenty-sixth and Thompson streets, and Barclay White & Co., 1713 Sansom street, are figuring.

**Warehouse (alt. and add.),** 521-23-25 South Fourth street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Rosenblum & Jaffe Co., on premises. Brick, terra cotta and steel, 4 stories, 53x99 feet, slag roof, stone foundations, steam heat, electric light, tile and marble work, rolled steel sash, iron work, parquet floors, metal lath, elevators, metal ceilings. Architect taking bids due July 10th. Smith-Hardican Co., 1606 Cherry street; B. Bornstein, 1510 North Franklin street; Conneen Const. Co., Fuller Building; William R. Dougherty, 1610 Sansom street; E. E. Hollenback, Inc., 1804 Brandywine street; W. O. Springer, 1624 Latimer street; Hogg Construction Company, Denckla Building; Ketcham & McQuade, 1029 Brown street; J. Sims Wilson Co., 1125 Brown street; Melody & Keating, 1322 Race street; Wark & Co., 1737 Filbert street, are figuring.

**Grammar School (add.),** Tenth and Leiper streets, Eddystone, Pa. Architects, Ritter & Shay, North American Building, Philadelphia. Owner, Borough of Eddystone, Eddystone, Pa. Brick and stone, 2 stories, 80x96 feet, composition roof, wood block floors, stone foundations, mechanical system, hollow tile, metal lath, terrazzo work, roof ventilators, waterproofing, dampproofing, iron work. Architects have received bids.

**Dwellings (9) and Garages (6),** Greene and Hansberry streets. Architect, private plans. Owners, Samuel T. Hall & Co., Liberty Building, Philadelphia. Frame and plaster, 2 stories, 16x52 feet, and 1 story, 10x19 feet, slag roof, pine floors, stone foundations, hot water heat, electric light, tile work, iron work. Owners taking bids due July 11th. Thomas C. Trafford, 1613 Sansom street, is figuring.

**Apartment House (alt. and add.),** 1127 South Forty-eighth street, Philadelphia. Architect, private plans. Owner, Frank M. Kline, 1127 South Forty-eighth street, Philadelphia. Brick and terra cotta, 3 stories, 8x16 feet, slate and tin roof, pine floors, stone foundations, tile work, rolled steel skylights. Owner has received bids.

**Dwellings (40),** 1202-20 Marlyn road and 1203-39 Marlyn road, \$190,400. Architect, private plans. Owners, Marshall Const. Co., 1115 Marlyn road, Philadelphia. Brick, 2 stories, 15 feet 9 inches x28 feet, 11 feet 3 inches x14½ feet and 16x42½ feet, slag roof, hot water heat, electric light. Owner will build.

**Dwellings (5),** 1102-10 Somerville avenue, Philadelphia, \$27,500. Architect, private plans. Owners, Dreher & Buckman, 1126 Somerville avenue, Philadelphia. Brick, 2 stories, 16x28½ feet, 13x16½ feet, slag roof, hot water heat. Owner will build.

**Twin Residences (3 prs.),** Queen Lane Manor, Philadelphia. Architects, Hawley & Hawley, 34 South Seventeenth street, Philadelphia. Owners, Queen Lane Land Co., Witherspoon Building, Philadelphia. Brick and rough cast, 2½ stories, 35x50 feet, slate roof, pine and oak floors, stone foundations, hot air heat, electric light, tile work, iron work. Architects have received bids.

**Dwelling, Auto Show Room and Shop,** Fifty-eighth and Walnut streets, \$26,000. Architect, private plans. Owner, John H. Derr, Sixty-third and Market streets, Philadelphia. Brick, 2 stories, 16½x53 feet, and 2 stories, 52x80 feet, slag roof, oak and cement floors, steam heating, electric lighting. Owner will build.

**Residence and Garage,** Hunting Park avenue, East of Broad street. Architect, private plans. Owner, Louis Schmidheiser, 1120 Columbia avenue. Stone, 2 stories, 22x91 feet, slate roof, oak floors, stone foundations, hot water heat, electric light, tile work. Owner has received bids.

**Residence,** Springfield Bk. Lane and West-



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view street, Germantown. Architect, Edmund B. Gilchrist, 1627 Sansom street. Owner, Richard E. Bishop, 160 West Hottter street, Germantown. Rough cast, 3 stories, 25x48 feet, copper and shingle roof, oak floors, stone foundations, marble work, iron work (heat and light reserved). Architect has received bids.

**Shop (adds.)**, Allegheny avenue, East of Fifth street, Philadelphia, \$23,000. Architect, private plans. Owner, Smith, Drum & Co., on premises. Brick and iron, 1 story, 25x100 feet, 25x95 feet, 40x32 feet, 50x90 feet. Owner will build.

**Dwellings and Stores (37)**, Kensington avenue, Ontario and I streets, \$166,500. Architect, private plans. Owner, Jacob Korman, 3418 Kensington avenue, Philadelphia. Brick, 2 stories, 15x37 feet 6 inches, 12x22½ feet, 15x31 feet, 12x14 feet, 28x28 feet, hot water heat. Owner will build.

**Laboratory Building**, Front and Erie avenue, Philadelphia. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owners, Hess Bright Mfg. Co., Front and Erie avenue. Brick, plaster and steel, 2 stories, 43x105 feet, tile and shingle roof, cement floors, metal lath, stone foundations, steam heat, electric light, iron work. Architect has received bids.

**Dwelling (alt.) to Tenement**, 4405 Spruce street, Philadelphia, \$10,000. Architect, private plans. Owner, Alfred James, Bala, Pa. Brick, 4 stories, 20x14 feet. Owner will build.

**Residence and Garage**, Seventh street and Sixty-fourth avenue, Oak Lane, \$22,000. Architect, private plans. Owner, A. E. Margerison, 1210 Foulkrod street, Philadelphia. Stone, 3 stories, 48x54½ feet, and 1 story, 25x26½ feet, slate roof, electric light, hot

water heat, tile and marble work, cement work. Owner will build.

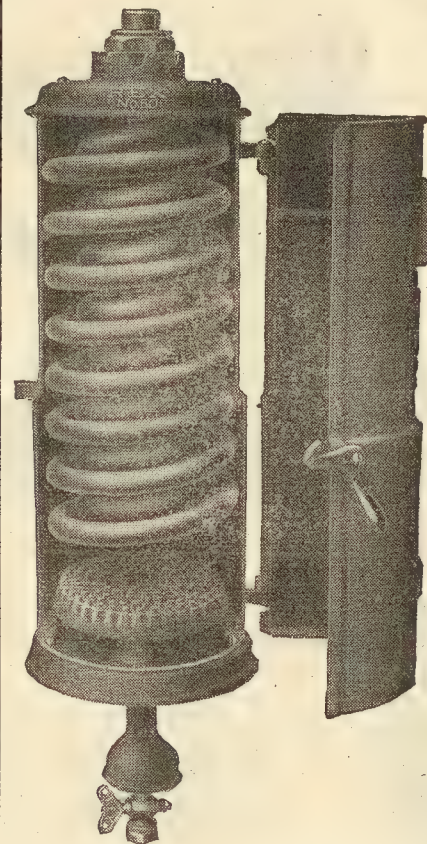
**Residence (alts.)**, 1817 Pine street, Philadelphia. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building. Owner, M. R. M. Stambach, Southeast Corner Eleventh and Ridge avenue, Philadelphia. Brick, 3 stories, slag roof, oak floors, hot water heat, electric light, tile and marble work, metal lath, metal weather strips, ornamental iron work, painting, mill work and plastering. Plans in progress.

**Residence**, Highland avenue, Chestnut Hill, Philadelphia. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building, Philadelphia. Owner, name withheld. Stone and plaster, 2½ stories, 30x50 feet, and 20x30 feet, slate roof, tile and oak floors, vapor heat, electric light, tile and marble work. Plans in progress.

**Club House (alts.)**, 3944-46 Walnut street, Philadelphia. Architect, Charles Barton Keen, 1218 Chestnut street, Philadelphia. Owner, Philomusian Club, on premises. Brick, stone and plaster, 3 stories, 20x30 feet, shingle tile roof, oak floors, stone foundations (heat, tile and electric light reserved), metal lath, iron work. Architect taking bids due July 9th. Milton W. Young, Overbrook, Philadelphia; Wills-Ludwick Co., 1708 Sansom street; A. R. Raff Cont. Co., 1635 Thompson street; J. Sims Wilson Co., 1125 Brown street; J. M. Yardley, 1716 Sansom street, and F. L. Hoover & Son, 1023 Cherry street, are figuring.

**Residence (alts.)**, 1921 North Thirty-third street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, M. Wurzel, 1921 North Thirty-third street, Philadelphia. General interior alterations and additions. Architect taking bids due July 11th at 11 A. M. Smith-Hardican

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Co., 1606 Cherry street; Berrai Co., 1415 Germantown avenue; W. O. Springer, 1624 Latimer street; Hyman Seidman, 1312 North Sixth street, Philadelphia, and J. Humphreys, 2526 North Fifth street, are figuring.

**Convent (add.)**, Seventeenth and Ritner streets, Philadelphia. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, St. Monica's Roman Catholic Church, care of Rev. John J. Welsh, on premises. Stone and brick, fourth floor add., 35x90 feet, slag roof, pine floors, metal lath, tile and marble work, iron work (heat and lighting reserved). Architect taking bids due July 11th before noon. William J. McShane, 417 South Thirteenth street; Pierce J. Henon, Bulletin Building; Monaghan & Losse, Inc., 3016 Chestnut street; Wark & Co., 1737 Filbert street; Roger Atkinson, Builders' Exchange; D. W. O'Dea, 5227 North Fifth street, and F. G. Stetwart, 1619 Sansom street, are figuring.

**Moving Picture Theatre and Dance Hall (alt. and add.)**, Southwest Corner Tenth and South streets. Architect, Reuben Beard, 501 Liberty Building, Philadelphia. Owner, name withheld. Brick, 3 stories, 48x100 feet, concrete floors, metal lath and ceilings, hot water heat. Plans in progress. Architect will be ready for bids in ten days.

**Synagogue (alts. and add.)**, Northeast Corner Third and Christian streets. Architect, Reuben Beard, 501 Liberty Building, Philadelphia. Owner, Cong. Rhal Adath Israel, Rabbi S. J. Englander, 841 South Third street. New gallery and balcony, interior changes, electric light, mill work, cabinet work, etc. Plans completed. Architect ready for bids.

**Apartment House**, Southeast Corner Sixty-third and Lansdowne ave., Philadelphia. Architect, Reuben Beard, 501 Liberty Building,



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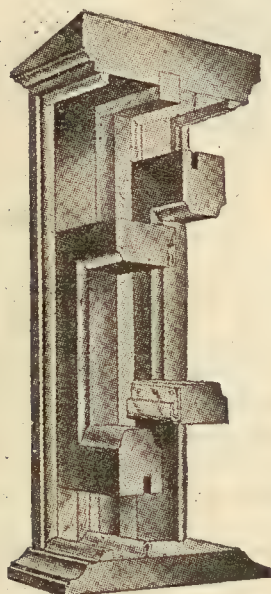
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Philadelphia. Owner, name withheld. Brick, 3 stories, 30x125 feet, slag roof, hardwood floors, metal lath, hot water heat, electric light, tile work. Plans in progress.

**Apartment House**, 2210-14 Walnut street, Philadelphia, \$400,000. Architect, Reuben Beard, 501 Liberty Building, Philadelphia. Owners, Langsner & Lagrossa, 907 Christian street, Philadelphia. Brick, steel and concrete, fireproof, 12 stories, 64x118 feet, slag roof, hardwood floors, hollow tile metal lath, (4) elevators, safety treads, roof ventilators, metal weather strips, dampproofing, hot water heat, electric light, tile and marble work, kalamein doors. Plans in progress.

**Dwellings (28)**, .Saul, Dyre and Pratt streets, \$24,000. Architect, private plans. Owners, Smith & Schmunk, 724 West Erie avenue. Brick, 2 stories, 15½x27 feet, 11x17 feet and 16x45 feet, slag roof, hot water heat, electric lighting, oak floors. Owners will build.

**Office Building and Store Room**, Fifth and Hunting Park avenue, Philadelphia. Architect, Henry D. Schaefer, 4830 Marvine street, Philadelphia. Owners, Philadelphia Pipe Bending Co., on premises. Brick, 2 stories, 21x60 feet, tin roof, cement and pine floors, stone foundations, rolled steel sash, metal lath, iron work. Architect will build.

**Boiler House and Manufacturing Building**. Unity and Oakland streets, \$104,000. Engineer, M. Ward Easby, 1420 Chestnut street, Philadelphia. Owners, The Griffon Co., Adams avenue and Wingohocking street, Philadelphia. Brick, 1 and 3 stories, 241x63 feet, 45x44 feet 8 inches, slag roof, steam heat, electric light, cement floors. Engineer will build.

**Store**, 846 North Broad street, Philadelphia, \$30,000. Architect, private plans. Owner, Sol Hopkins, Sixtieth and Pine streets, Philadelphia. Brick, 3 stories, 20x160 feet, steam heat, electric light. Owner will build.

**Dwelling**, Pilling street, south of Arrott street, Philadelphia, \$8,000. Architect, private plans. Owner, J. D. Fotheringham, 1000 Arrott street, Philadelphia. Brick, 3 and 2 stories, 17 feet 9 inchesx24 feet, 17 feet 9 inchesx25 feet and 13½x22 feet, slag roof, hot water heat. Owner will build.

**Factory**, Venango and B streets, Philadelphia, \$36,000. Architect, Herman H. Kline, 536 Mifflin street, Philadelphia. Owner, John M. Kennedy, 1001 Chestnut street, Philadelphia.

Brick, stone and steel, 2 stories and basement, 60x124 feet, slag roof, stone foundations, steam heat, electric light, rolled steel sash, hollow metal skylights, 2 elevators, yellow pine floors, hollow tile. Owner will build.

**Residence**, Fifty-third and Wynnefield avenue, Philadelphia. Architect, Frank Seeburger, Weightman Building, Philadelphia. Owner, Dr. Percy DeLong, 1909 Chestnut street, Philadelphia. Stone, 2½ stories, 38x45 feet, shingle roof, oak floors, hot water heat, electric light, tile and marble work. Plans completed. Architect ready for bids.

**Garage**, Stenton, Philadelphia. Architects, Druckenmiller & Williams, 1527 Chestnut st., Philadelphia. Owner, Edw. Thompson, care of architects. Stone, 1½ stories, 26x35 feet, slate roof, hot water heat, electric light, cement floor. Architects taking bids, due July 11th. W. John Stevens, Inc., Wyncote, Pa.; J. E. Walt, 204 East Willow Grove avenue, and R. W. Neff, 6610 Germantown avenue, are figuring.

**Garage**, 521-31 North Orianna street, Philadelphia. Architect, Carl P. Berger, Penn Square Building, Philadelphia. Owners, Northern Liberties Realty Co., Land Title Building, Philadelphia. Brick, 1 story, 70x100 feet, built-up asphalt roof, cement floors, stone foundations, steam heat, electric light, iron work. Architect taking revised bids, due July 10th. Hogg Const. Co., Denckla Building, is figuring.

**Residence**, Upsal Station, Germantown, Philadelphia. Architect, T. F. Dillon, 1017 Chestnut street, Philadelphia. Owner, J. Nevin Pomeroy, Chambersburg, Pa. Frame, 2½ stories, 32x37 feet, wing 10x21 feet, shingle roof, oak floors, stone foundations, hot water heat, electric lighting, tile work. Architect taking bids, due July 10th. H. E. Baton, 1713 Sansom street, and S. T. Atherholt, Narberth, Pa., are figuring.

**Garage**, 4819 Woodland avenue, Philadelphia. Architect, Herman H. Kline, 536 Mifflin street, Philadelphia. Owner, Leonard Weiss, 4825 Woodland avenue, Philadelphia. Brick, 1 story, 37x44 feet, slag roof, stone foundations, cement floor, steam heat, electric lighting. Owner taking bids. Lam Building Co., 1001 Wood street, is figuring.

**Store and Apartments (2)**, Chew and Belfield streets, Philadelphia. Architect, Andrew

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C. Borzner, 717 Walnut street, Philadelphia. Owner, George C. Drew, Jr., 6349 Chew street, Germantown. Brick and stone, 2 stories, 60x88 feet, slag roof, electric lighting. Plans in progress.

**Residence (alts.),** 6715 Emlen street, Germantown. Architects, Buting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Henry T. Paist, 6715 Emlen street, Germantown. Mill work, carpentry, tile work, parquetry floor, plumbing, alterations to heat and electric work. Architects taking bids, due July 14th. H. E. Baton, 1713 Sansom street; Samuel Harting & Son, 20 East Johnson street; H. E. Grau Co., 1707 Sansom street, and McClintock & Weaver, 24 East Phil-Ellena street are figuring.

**Tenement House,** southeast corner of Fifteenth and Catherine streets, Philadelphia. Architects, Lachman & Murphy, Drexel Building, Philadelphia. Owner, Wm. M. Bailey, 1440 Catherine street, Philadelphia. Brick, 3 stories, 18x100 feet, general alterations, slag roof, hardwood floors, steam heat, electric lighting, plumbing, tile work. Architects are ready for bids.

**Residence (alts. and add.),** 1630 Spruce st., Philadelphia. Architect, H. Childs Hodgins, 130 South Fifteenth street, Philadelphia. Owner, Dr. A. Cohen, 1630 Spruce street, Philadelphia. Carpentry, mill work, plumbing, heating, electric light and painting. Architect taking bids, due July 10th. Hogg Const. Co., Jos. F. Myers, Jr., & Co., 2137 Ridge avenue; Lam Building Co., 1001 Wood street; B. Bornstein, 1510 North Franklin street, and Thomas C. Trafford, 1613 Sansom street, are figuring.

**Bakery (add.),** Twentieth and Indiana avenue, Philadelphia. Architect, H. Childs Hodgins, 130 South Fifteenth street, Philadelphia. Owners, Freihofer Baking Co., Twentieth and Indiana avenue, Philadelphia. Brick, hollow tile and concrete, 3rd story addition, 20x20 feet, 135 feet, reinforced gypsum roof. Architect taking bids, due July 14th at noon. Jos. F. Myers, Jr., & Co., 2137 Ridge avenue; P. M. Sax, Franklin Bank Building; Ketcham & McQuade, 1029 Brown street; P. Haibach Cont. Co., Twenty-sixth and Thompson streets; A. R. Raff Cont. Co., 1635 Thompson street, and F. A. Havens Co., 845 North Nineteenth st., are figuring.

**Small Arms Storehouse (alts. and add.),** Frankford Arsenal, Philadelphia. Architect, private plans. Owners, U. S. Government, Ordnance Department, Frankford Arsenal, Philadelphia. Brick and steel, 2 stories, slate and slag roof, cement floors, hollow tile, elevator, concrete foundations, tile work, kalamem doors, waterproofing, iron work. Owners taking bids, due July 15th. Wm. R. Dougherty, 1610 Sansom street; W. W. Anstine & Co., 1218 Filbert street; Wark & Co., 1737 Filbert

street; Ketcham & McQuade, 1029 Brown street; H. H. Wehmeyer, 509 West Cumberland street; Wm. Steele & Sons Co. Sixteenth and Parkway; Monaghan & Losse, Inc., 3016 Chestnut street, and Charles H. Dading, Bellevue Court Building, are figuring.

**Store Building (alts.),** 716 Market street, Philadelphia. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Estate of John Dobson, 809 Chestnut street,

Philadelphia. General interior alterations, new front, passenger elevator, steam heat, electric light, tile and marble work, new stairs, noors, etc. Architects taking bids, due July 12th. Warren-Moore Co., Colonial Trust Building; Standard Const. Co., 1713 Sansom street; Wark & Co., 1737 Filbert street; H. H. Burrell, 206 South Quince street, and Jacob Myers & Sons Co., Witherspoon Building, are figuring.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Garage,** Hunting Park avenue, West of Broad street, Philadelphia, \$28,000. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, M. Haisfield, 19 South Third street, Philadelphia. Brick, 1 story. 74x150 feet, built up roof, cement floors, stone foundations, vapor system heat, electric light, tile and marble work, rolled steel sash, metal lath, iron work. Contract awarded to E. E. Hollenback, Inc., 1804 Brandywine street.

**Garage and Apartments (alts.),** 1414 North Fifteenth street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Dr. J. L. Manasses, 1534 North Fifteenth street, Philadelphia. Brick, 1 and 2 stories, 17x44 feet, composition roof, oak floors, electric light, tile work, stone foundations. Contract awarded to B. Bornstein, 1510 North Franklin street, Philadelphia.

**Residence and Garage,** Wakeling and Oakland streets, Philadelphia. Architects, Lachman & Murphy, Drexel Building, Philadelphia. Owner, Charles Stewart, Frankford, Philadelphia. Brick and stone, 1 and 2 stories, 18x57 feet and 16x20 feet, slate roof, pine floors, stone foundations, hot air heating, electric lighting, tile work. Contract awarded to Rush Bros., 1021 Fillmore street, Philadelphia.

**Power Plant Chimneys (2), Intake Line and Fire Protection System,** Frankford Arsenal, Philadelphia. Architect, private plans. Owner, United States Government, Frankford Arsenal, Philadelphia. Brick and concrete, wood pile foundations, chimney 200 feet high, 12 feet wide. Contract awarded to Thompson Bros., 125 North Fifth street, Philadelphia.

**Residences (4),** Harris and Duffield streets, Philadelphia. Architects, Lachman & Murphy, Drexel Building, Philadelphia. Owner, George S. Wardee, 4437 Frankford avenue, Philadelphia. Brick and stucco, 2½ stories, 16x50 feet, stone foundations, slate roof, oak floors, hot water heat, electric light, tile work. Contract awarded to Rush Brothers, 1021 Fillmore street, Philadelphia.

**Store and Dwelling (alt. and add.),** 709 South street, Philadelphia, \$10,000. Architect, private plans. Owner, Samuel Katinsky, 1919 South street, Philadelphia. Brick, 3 stories, 3x16 feet, 13x9 feet 2 inches. Contract awarded to Jake Bender, 1817 South Fourth street, Philadelphia.

**Dwelling (alt. and add.),** Wayne avenue and Queen street, \$10,000. Architect, private plans. Owner, D. F. Waters, on premises. Brick, 1 story, 14x10 feet, electric light, oak floors. Contract awarded to R. M. Peterson & Son, 5114 Wayne avenue.

**Residence,** Fifty-third and Wynnefield avenue, Philadelphia. Architect, Frank Seeburger, Weightman Building, Philadelphia. Owner, Hyman Brodsky, 5315 Wynnefield avenue, Philadelphia. Stone, 2½ stories, 33x85 feet, wing 16x23 feet, garage, 1½ stories, 24x35 feet, slate roof, cement and pine floors, stone foundations, electric light, tile work, iron work (heating and plumbing reserved). Contract awarded to Milton W. Young, Overbrook, Philadelphia.

**Garage,** 6029-35 Ludlow street, Philadelphia, \$18,000. Architect, J. E. Fieldstein, Penfield Building, Philadelphia. Owner, Harry P. Shepherd, care of architect. Brick, 1 story, 100x120 feet, slag roof, cement floors, stone foundations, steam heat, electric lighting, mill work, skylights. Contract awarded to J. D. Fisher, 5424 Thompson street.

**Residence and Garage,** Fifty-second and Overbrook avenue, Wynnefield, Philadelphia. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, Frank B. Heyburn, 5902 Carpenter street, Philadelphia. Stone, 2½ stories, 31x44 feet, wing 16x21 feet, garage, 1½ stories, 23x29 feet, slate roof, hot water heating, electric lighting, tile and marble work, oak floors, cement work. Contract awarded to J. E. Kearney, 34 South Seventeenth street, Philadelphia.

**Bank Building (alts. and add.),** Broad and Columbia avenue, Philadelphia. Architect,



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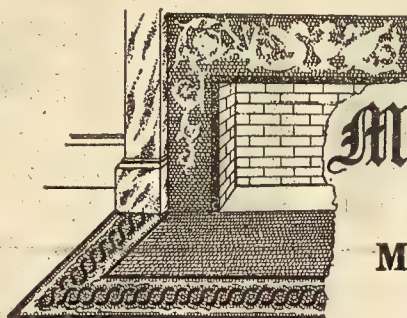
Spruce 1502 Race 3246

Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owner, Tenth National Bank of Philadelphia, on premises. Brick, stone and steel, 2 stories, 80x110 feet, slag roof, tile and oak floors, steam heat, electric light, tile and marble work, stone foundations, metal lath, kalamein doors, metal lath, roof ventilators, iron work. Contract awarded to Melody & Keating, 1322 Race street, Philadelphia.

**Church (add.)**, Wyalusing avenue, near Fifty-fourth street, Philadelphia. Architect, George S. Idell, 34 South Sixteenth street, Philadelphia. Owner, Advent Church of the New Jerusalem, on premises. Stone, 1 story, 61x38 feet, slag roof, stone foundations, steam heat, pine floors, electric light. Contract awarded to Hogg Const. Co., 1634 Sansom street, Philadelphia.

**Garage**, Glenwood and Columbia avenues, Philadelphia. Architect, Waldemar Mortensen, 209 West Seventy-sixth street, New York City. Owner, American Ice Co., Sixth and Arch streets, Philadelphia. Brick, stone and steel, 2 stories, 75x75 feet, slag roof, stone foundations, waterproofing, iron work (heating and lighting reserved). Contract awarded to Monaghan & Lossee, Inc., 3016 Chestnut street.

**Store and Apartments**, Fifty-second and



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Girard avenue, Philadelphia, \$21,000. Architect, Greisler Abramson Co., Inc., Lafayette Building, Philadelphia. Owner, Harry Lieberman, Colonial Trust Building, Philadelphia. Brick, 3 stories, 21x90 feet, slag roof, stone foundations, hot water heat, electric light, tile work. Contract awarded to J. Gorchov, 4116 Girard avenue, Philadelphia.

**Mill**, 2631 North Third street, Philadelphia, \$11,500. Architect, private plans. Owner, R. & A. J. Gilmore, Inc., 2631 North Third street, Philadelphia. Brick, 3 stories, 42 feet 3 inches x 62 feet 11 inches. Contract awarded to Stewart Bros., 2528 North Orkney street, Philadelphia.

**Store and Dwellings (add.)**, 5443 Germantown avenue, Philadelphia, \$7,550. Architect, private plans. Owner, J. Simser, on premises. Brick, 2 stories, 13x24 feet. Contract awarded to F. I. Wintz, 1618 North Twenty-seventh street, Philadelphia.

**Store, Bakery and Garage**, 1426-28 South Twelfth street, Philadelphia, \$13,000. Architect, private plans. Owner, Beale Bros., 1326 South Twelfth street, Philadelphia. Brick, 1 and 2 stories, 18x105 feet, 18x35 feet, electric light. Contract awarded to Silvia Tasia, 931 Ernest street.

**Building (alt.)**, 2829-35 Coral street, Philadelphia, \$1,000. Architect, private plans. Owner, L. A. Fritz, Bulletin Building, Philadelphia. General repairs to roof and floors, plastering, painting, etc. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

**Dwellings**, 2204-24 and 2302-16 East Lehigh avenue, Philadelphia, \$9,000. Architect, private plans. Owner, Clara H. Hilz, care of builder. Underpin foundation walls. Contract awarded to M. McMenamy & Co., 512 Walnut street.

**Restaurant**, 1319-21 Sansom street, Philadelphia, \$6,000. Architect, private plans. Owner, Philadelphia Buffet Co., 1309 Sansom street, Philadelphia. Brick, 1 story, 27x55 feet, electric light. Contract awarded to William Schultz, 1309 Sansom street.

**Hospital (alts.)**, Eighteenth and Lombard streets, Philadelphia, \$15,000. Architect, private plans. Owners, Polyclinic Hospital, on premises. General interior alterations. Contract awarded to F. L. Hoover & Sons, 1023 Cherry street, Philadelphia.

**Dwellings (2)**, Cheltenham avenue, West of Reach street, \$7,000. Architect, private plans. Owner, Caspar Ehling, 702 East Cheltenham avenue. Frame, 2 stories, 16x43 feet, shingle roof, hot air heat, electric light. Contract awarded to H. W. Myers, 5814 Hasbrook street, Philadelphia.

**Storage**, Bigler street, East of Delaware avenue, \$14,000. Architect, private plans. Owners, General Mfg. Co., on premises. General alterations. Contract awarded to Henry P. Friend, Inc., Norristown, Pa.

**Garage (add.)**, 514 North Sixty-first street, Philadelphia, \$4,500. Architect, private plans.

Owner, Charles Heavy, 514 North Sixty-first street, Philadelphia. Brick, 1 story, 60x73 feet, slag roof, steam heat, electric light, cement floors. Contract awarded to Pierce J. Henon, 326 Bulletin Building.

**Garages (2)**, Clearfield and Howard streets, Philadelphia, \$30,000. Architect, private plans. Owner, David McKilbur, 2900 Frankford avenue, Philadelphia. Brick, 1 story, 33x108 feet 100x134 feet. Contract awarded to Joseph McNutt, 1939 East Allegheny avenue.

**Store Building (alts.)**, Sixth and Filbert streets, Philadelphia, \$15,000. Architect, private plans. Owner, Columbia Grafonola Co., Sixth and Filbert streets, Philadelphia. Interior alterations, mill work, plastering, painting and glazing. Contract awarded to Ketcham & McQuade, 1029 Brown street, Philadelphia.

**Residences (alt.)**, 105 West Walnut lane, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, John McArthur Harris, on premises. Brick and stone, 3 stories, concrete foundations, general renovation, mill work, brick work, carpentry, stone work, metal work, hardware, plastering, painting (plumbing, heating, roofing and electric work reserved). Contract awarded to F. Elvidge & Son, 5522 Germantown avenue.

**Boiler House, Bunker and Conveyancer**, Ninth and Westmoreland streets, \$6,000. Architect, private plans. Owners, Surpass Leather Co., on premises. Brick and concrete. Contract awarded to Walter Kidde & Co., Inc., 140 Cedar street, New York City.

**Dwelling (alts.)**, 1804 Erie avenue, \$4,200. Architect, private plans. Owner, Leo Weiss, on premises. General interior alterations, electric lighting, hot water heating. Contract awarded to S. Bass & Son, 735 Walnut street, Philadelphia.

**Bank Building (alt.)**, Stephen Girard Building, Philadelphia. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owner, Continental-Equitable Title & Trust Co., on premises. Interior alterations, tile and marble work, cabinet work, painting. Contract awarded to Philadelphia Woodworking Co., 310 Columbia avenue.

**Residence (alts. and add.)**, 1510 Oxford street, Philadelphia. Architect, P. M. Sax, Franklin Bank Building, Philadelphia. Owner, Arthur Loeb, Franklin Bank Building, Philadelphia. Brick and steel, 3 stories, 10x31 feet, tin roof, parquet floors, stone foundations, steam heat, electric light, metal lath, iron work. Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

**Residence**, Germantown, Philadelphia. Architects, Mellor, Meigs & Howe, 249 South Juniper street, Philadelphia. Owner, R. C. McCracken, Morris Building, Philadelphia. Stone, 2½ stories, 30x50 feet, shingle roof, oak floors, hot air heat, electric light, tile and marble work. Contract awarded to R.

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**Store Building (alts.),** Southwest Corner Broad and Spruce streets, \$3,000. Architect, LeRoy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, Kahn & Greenburg, Morris Building, Philadelphia. General interior alterations and exterior changes, tile floors, steam heat. Contract awarded to Samuel Yellin, 3125 Montgomery avenue.

**Residence,** Ridley Park, Pa. Architect, private plans. Owner, Charles Turner, Ridley Park, Pa. Brick and plaster, 2½ stories, 24x43 feet, wing 14x21 feet, shingle roof, oak

floors, hollow tile, stone foundation, hot water heat, electric light, iron work. Pomeroy Const. Co., 1609 Ranstead street, is taking sub-bids.

**Fernwood Mansion (alts.),** Fernwood, Pa. Architect, Jesse T. Hoekstra, 430 Walnut street, Philadelphia. Owner, William Lipkin, 1209 Arch street, Philadelphia. General interior and exterior alterations. Contract awarded to Warren Bros., 1113 Cherry street, Philadelphia.

C. Krewson, Glenside, Pa.; E. D. Leber, Glenside, Pa.; Henry Specht, Willow Grove, Pa.; John W. Hohlefeldt, Jenkintown, Pa.; William R. Dougherty, 1610 Sansom street, and A. L. Fretz & Son, Heed Building, Philadelphia, are figuring.

**Store and Apartments (also Garage),** Bryn Mawr, Pa. Architect, private plans. Owner, Gane & Snyder, 822 Lancaster avenue, Bryn Mawr, Pa. Brick, 3 stories, 28x80 feet, garage, 1 story, slag roof, pine and oak floors, cement work, electric light, plumbing (heat undecided). Owners have received bids.

**Church (alt. and add.),** Schuylkill Haven, Pa. Architect, G. L. Gerhard, 619 Penn street, Reading, Pa. Owner, Grace United Evangelical Church, H. G. Reed, chairman, Schuylkill Haven, Pa. Brick, 2 stories, 16x40 feet, tin roof, pine floors, electric light. Architect is sub-letting.

**Office Building,** 613 Walnut street, Harrisburg, Pa., \$10,000. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Witman Schwaiz, care of C. K. Dean, on premises. Brick, 1 story, 26x80 feet, slag roof, maple floors, electric light. Architect ready for bids.

**Bungalow,** Dauphin County, Pa. Architect, C. J. Lappley, 206 Market street, Harrisburg, Pa. Owner, A. W. Dunkle, Second and Chestnut streets, Steelton, Pa. Stone, 1½ stories, 40x60 feet, stone foundations, slate roof, hardwood floors, electric light, tile work. Architect will take bids July 7th, due July 18th.

**Office Building (alts.),** Market street, near Front street, Harrisburg, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Henry Claster, 304 Market street, Harrisburg, Pa. Fireproof, 8 stories, general interior work, steam heat, pine floors, tile and marble work, elevators, roof ventilators, hollow metal skylights. Architect will take bids in one week.

**School,** West Fairview, Pa., \$30,000. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, West Fairview School Board, care of Fred Seidel, secretary, West Fairview, Pa. Brick, 2 stories, 8 rooms, concrete foundations, slag roof, pine floors, hot air heat, electric light, roof ventilators. Owner taking general bids.

**Garage and Apartment,** Lebanon, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Miller Auto Co., Lebanon, Pa. Brick and reinforced concrete, 2 and 3 stories, 66x183 feet, concrete founda-

**Residence (alt. and add.),** North Glenside, Pa. Architects, R. W. Pollock and H. R. Rust, 1802 Chestnut street, Philadelphia. Owner, D. L. Shor, Central avenue and Spruce street, North Glenside, Pa. Stone and shingle, 2 stories, shingle roof, oak floors, stone foundations, hot water heat, electric light, tile and marble work. Architects have received bids.

**Bungalow,** Clifton Heights, Pa. Architect, Jesse T. Hoekstra, 430 Walnut street. Owner, M. Grisdale, Clifton Heights, Pa. Stucco, stone and hollow tile, 2 stories, 25x34 feet, shingle roof, pine floors, stone foundations, pipeless heater, electric light. Architect will be ready for bids in three weeks.

**Service Building and Apartments,** Lansdowne, Pa. Architects, Lachman & Murphy, 356 Drexel Building, Philadelphia. Owner, Gallagher Bros., Chester, Pa. Owner and architects taking bids due as soon as possible. Flounders Bros., Media, Pa.; William Ward Co., Chester, Pa., and Lansdowne Const. Co., Lansdowne, Pa., additional bidders.

**Residence,** Rydal, Pa. Architect, C. L. Borie, 112 South Fifteenth street Philadelphia. Owner, Mrs. C. L. Borie, care of architect. Frame or stone, 2 stories, 24x30 feet, wing 15x20 feet, electric light, warm air heat, stone foundations, tin roof, pine floors. Architect has received bids.

**Residence,** Lansdowne, Pa. Architect, F. J. Caldwell, Stephen Girard Building, Philadelphia. Owner, G. L. Gilbert, Lansdowne, Pa. Plaster, 2½ stories, 36x23 feet, wing 15x8 feet, stone foundations, shingle roof, oak floors, warm air heat, electric light, tile work,

iron work. Architect taking bids, due July 12 William R. Graham, 3649 Filbert street; F. B. Davis, 240 North Sixteenth street; J. Howard Roberts, Lansdowne, Pa.; J. H. Ingram, Lansdowne, Pa., and D. Arthur Meckert, Glenside, Pa., are figuring.

**Chapel (alts.),** Valley Forge, Pa. Architects, Zantzing, Borie & Medary, Fifteenth and Walnut streets. Owner, Washington Memorial Chapel, Valley Forge, Pa. Consists of paving walks, mill work. Architects taking revised bids due as soon as possible. Pringle Borthwick, 8018 Germantown avenue; William H. Eddleman & Son, 453 Green lane; H. H. Burrell, 206 South Quince street; G. Gerald Evans, 18 South Sixteenth street, and William M. Sullivan, Norristown, Pa., are figuring.

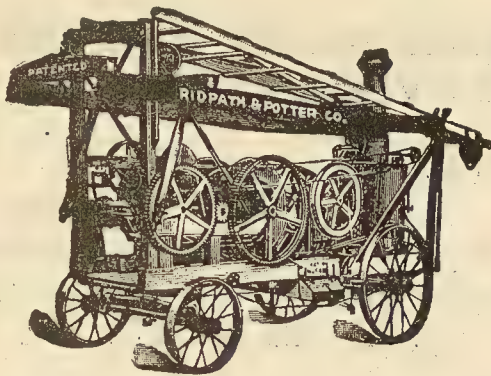
**Residence,** Bala, Pa. Architect, Harry Gordon McMurtrie, 1012 Walnut street, Philadelphia. Owner, George C. Scott, Highland avenue, Cynwyd, Pa. Plaster, 2 stories, 34x46 feet, shingle roof, maple floors, stone foundations, tile work, iron work (heating and lighting reserved). Owner taking bids due July 20th from A. L. Fretz & Son, Heed Building. Owner is also taking sub-bids.

**Residences (2),** Abington, Pa. Architect, Edward F. Hoffman, 1627 Sansom street, Philadelphia. Owner, Gorham P. Sargent, 309 Walnut street, Philadelphia. Brick and plaster, 2½ stories, 22x33 feet, and 2 stories, 32x33 feet, shingle roof, oak floors, metal lath, tile work, electric light, stone foundations (heat and plumbing reserved), iron work. Architect taking bids, due July 11th at noon. Harry M. Murphy, Willow Grove, Pa.; Grover

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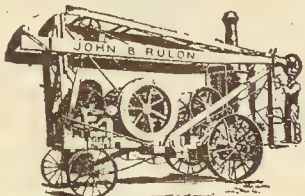
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tions, composition roof, steam heat, electric light, cement and hardwood floors, store and office in building. Owners taking bids due July 12th at noon. L. H. Focht & Son, Reading, Pa.; Beard Const. Co., Reading, Pa.; Gordon Nagle, Pottsville, Pa.; Charles Strayer, Harrisburg, Pa., and J. H. Greiner, Lebanon, Pa., are figuring.

**Ice Cream Parlor (alt. and add.)**, Reading, Pa. Architect, Calvin Young, 520 Washington street, Reading, Pa. Owner, Charles Arentz, 556 Schuylkill street, Reading, Pa. Brick, 2 stories, 17x30 feet, tin roof composition floors, hot water heat, electric light, general interior alterations and ice cream parlor equipment. Owner taking general bids.

**Church**, Sixth and Mahantonga streets, Harrisburg, Pa. Architect, C. P. Lappley, 206 Market street, Harrisburg, Pa. Owner, Union Evangelical Church, care of Rev. E. W. Poltieger, Pembroke, Harrisburg, Pa. Stone, 1 story and basement, 40x60 feet, stone foundations, slate roof, steam heat, electric light, yellow pine floors. Owner will build.

**Garage and Apartment (alt. and add.)**, 114 South Sixth street, Reading, Pa. Architect, W. M. High, 11 Fifth street, Reading, Pa. Owner, Humane Society, 114 South Sixth street, Reading, Pa. Brick, 2 stories, 45x107 feet, stone foundations, slag roof, cement and

hardwood floors, steam heat, electric light, gasoline storage system. Plans in progress.

**Church (alt. and add.)**, Reading, Pa. Architect, G. L. Gerhard, 619 Penn street, Reading, Pa. Owner, St. John's Reformed Church, care of architect. General alterations. Vapor heat. Plans in progress.

**Garage**, Ninth and Shanois streets, Harrisburg, Pa. Architect, C. J. Lappley, 206 Market street, Harrisburg, Pa. Owner, Harrisburg Department of Streets and Public Improvements, care of W. W. Lynch, Superintendent, 222 Market street, Harrisburg, Pa. Drawing plans.

**Garage and Show Room**, Market and Cameron streets, Harrisburg, Pa., \$65,000. Architects, Markley & Starr, Spooner Building, Harrisburg, Pa. Owner, Selden Truck Distributor, E. T. Croft, agent, on premises. Brick and reinforced concrete, 3 stories, 26x80 feet, steel trussed roof, concrete floors, steam heat, electric light, plate glass, hollow metal skylights, roof ventilators. Sketches in progress.

**Apartment and House**, Chestnut street, Harrisburg, Pa., \$20,000. Architects, Markley & Starr, Spooner Building, Harrisburg, Pa. Owner, Claud Robins Co., 502 Market street, Harrisburg, Pa. Brick, 3 stories, 48x30 feet, concrete foundations, composition roof, hardwood and pine floors, steam heat, electric light, tile work, general interior work. Preliminary plans in progress.

**House (alt.) to Apartment**, Chambersburg, Pa. Architect, F. G. Fahnestock, Patriot Building, Harrisburg, Pa. Owner, W. Stover, Chambersburg, Pa. General interior and exterior alterations. Sketches in progress.

**Auto Show Room and Office (alt.)**, Third and Locust streets, Harrisburg. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Miller Auto Co., care of Mr. Miller, Cameron street, Harrisburg. General interior and exterior alterations, plate glass, tile work. Preliminary plans in progress.

**Church (alt. and add.)**, Phoenixville, Pa. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owner, Sacred Heart Roman Catholic Church, care of Rev. Oscar Suster, Phoenixville. Brick, stone and stucco, 1 story, 10x14 feet, tin roof, pine floors, stone foundations, iron work. Architect taking bids due July 16th. William R. Dougherty, 1610 Sansom street; Charles D. Hanf, Norristown, Pa.; James Duffy, Wayne, Pa.; G. L. Fethers, Phoenixville, Pa., and William J. McShane, 417 South Thirteenth street, Philadelphia, are figuring.

**Residence (alt. and add.)**, Gwynedd, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, name withheld. Stone and stucco, 2½ stories, general alterations and additions. Plans in progress.

**Club House**, 511 Welsh street, Chester, Pa., \$175,000. Architect, Clarence Brazier, Crozer

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Building, Chester, Pa. Owner, Chester Club, care of F. Wallison, 12 East Fifth street, Chester, Pa. Steel, brick and marble and terra cotta, 4 stories and mezzanine floor, 52x67 feet, wing 40x51 feet, slag roof, pine and maple floors, metal lath, stone foundations, hot air heat, electric light, tile and marble work, hollow metal sash and skylights, iron work, fire escapes, elevators. Architect taking sub-bids and general bids due July 14th. John R. Wiggins & Co., Otis Building, Philadelphia, and Stewart Willey Co., Inc., Tenth and King streets, Wilmington, Del., are figuring.

**Howarth Building (alts.) to Bank Building**, Chester, Pa. Architects, Lachman & Murphy, Drexel Building, Philadelphia. Owners, Merchants' Trust Co., Chester, Pa. General renovation, plate glass, bronze work, reinforced concrete vault, electric lighting, tile and marble work, bank fixtures, etc. Plans in progress.

## Pennsylvania Contracts Awarded

**Weaving Building**, Carlisle, Pa., \$300,000. Architects, Lockwood & Greene Co., 101 Park avenue, New York City. Owner, C. H. Masland & Son, Carlisle, Pa. Brick and siding steel, 1 story, 20x477 feet, slag roof, concrete floors, concrete foundations, kalamein sash, rolled steel skylights, fire doors, roof ventilators, iron work. Contract awarded to J. S. Rogers Co., Drexel Building, Philadelphia.

**Residence (alt. and add.)**, Ardmore, Pa. Architect, McIlvain & Roberts, Otis Building, Philadelphia. Owner, Benjamin Bullock, Ardmore, Pa. Frame, 1 story, 21x23 feet, shingle roof, tile floors, stone foundations, steam heat, electric light tile work. Contract awarded to H. G. Campion, Otis Building, Philadelphia.

**Residences (50)**, Wyomissing, Pa. Architect, H. Maure, Mt. Penn, Reading, Pa. Owner, Wyomissing Building and Saving Association, Wyomissing, Pa. Brick, tile and stucco, 2 stories, 26x30 feet, 32x36 feet, tin and shingle roof, hot air heat, electric light tile work. Contract awarded to Charles Schlegel, Reading, Pa.

**Bakery**, Allentown, Pa. Architect, T. H. Hamilton, Patriot Building, Harrisburg, Pa. Owner, B. Schmidt, 33 North Thirteenth street, Harrisburg, Pa. Brick and steel, 2 stories, 125x200 feet, composition roof, wood and concrete floors, electric light, rolled steel skylights, elevators, roof ventilators. Contract awarded to E. N. Levo, Harrisburg, Pa.

**Residences (2)**, Reading, Pa., \$25,000. Architect, E. Z. Scholl, 136 Robinson street, Reading, Pa. Owner, Milton Hollis, Franklin street, Reading, Pa. Brick, 2½ stories, 35x53 feet, slate roof, hardwood floors, hot water

Building Lime—Buy pure lime, no core, no grit—Chemical Lime. **DAVID FRANCE CO.**, Tasker Street Wharf, Delaware River, Phila. Both phones.



heat, electric light, tile and marble work. Contract awarded to Sharp Cont. Co., Reading, Pa.

**Residence (alt.),** 313 West Fifth street, Reading, Pa. Architect, W. M. High, 11 Fifth street, Reading, Pa. Owner, Dr. George W. Kehl, 418 North Penn street, Reading, Pa. General interior alterations, tile work. Contract awarded to M. J. C. Dethoff, Reading, Pa.

**Warehouse,** Tenth and Mulberry streets, Harrisburg, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Fritchley & Scattergog, 1827 North Seventh street, Harrisburg, Pa. Corrugated iron, 25x199 feet, concrete foundation, slag roof, pine floors, electric light. Contract awarded to Charles W. Lady, Harrisburg, Pa.

**Fraternity House,** Carlisle, Pa., \$15,000. Architect, F. G. Fahnestock, Jr., Patriot Building, Harrisburg, Pa. Owner, Delta Chi Fraternity, Conald Rockwood, secretary, Carlisle, Pa. Brick, 2 stories 34x55 feet, stone foundations, slate roof, pine floors, steam heating, electric lighting. Contract awarded to H. A. Lackey, Carlisle, Pa.

**Residence (alt. and add.),** Wynnewood, Pa. Architects, McIlvaine & Roberts, Otis Building, Philadelphia. Owner, Mr. H. L. Schwartz, Wynnewood, Pa. Hollow tile and stucco, 2½ stories, stone foundations, shingle roof, tile floors, hot water heat, electric light, tile work, hollow tile. Contract awarded to H. G. Campion, Otis Building, Philadelphia.

**Residence (alt. and add.),** Dreshertown, near Jarretstown, Pa. Architects, Mellor, Meigs & Howe, 249 South Juniper street, Philadelphia. Owner, C. J. Carey, on premises. Stone and stucco, 2 stories, 48x25 feet, shingle roof, oak floors, vapor or hot air heat (electric light, sewage disposal and water supply reserved), tile work. Contract awarded to William C. Wright, 22 Harvey street, Germantown, Philadelphia.

## New Jersey Construction News

**Residence (alts. and add.),** Merchantville, N. J. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, A. Gill, Merchantville, N. J. New porch, 13x40 feet, slag roof, pine floors. Plans in progress.

**Bank,** Woodbury, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, First National Bank, Woodbury, N. J. Brick and granite, 1 story, 35x106 feet, slag roof, marble and reinforced concrete, steam heat, ventilating system, electric light, tile and marble work, cast iron sash, vault. Architect has received bids.

**Office and Warehouse,** New York and Mediterranean avenues, Atlantic City, N. J. Architect, Vivian B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owner, Seashore Supply Co., Atlantic City, N. J. Frame, 1 story, 90x275 feet, slatte roof, concrete floors, concrete foundations, electric light, iron work (heating reserved). Architect has received bids.

**Bungalows (4),** Brown's Mills, N. J. Architect, Reuben Beard, 501 Liberty Building, Philadelphia. Owner, name withheld. Brick and stucco, 1 story, 30x30 feet each, asbestos roof, hardwood floors, electric light. Plans in progress.

**Factory (extension),** Freehold, N. J. Architects, Dodge & Morrison, 135 Front street,

New York City. Owner, A. & M. Karagheusian, Freehold, N. J. Brick, third floor add., 60x100 feet, slag roof, yellow pine floors, steam heat, electric light. Architect taking bids due as soon as possible. William Linker Co., 831 Cherry street, is figuring.

**Rectory,** Collingswood, N. J. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, St. John's Roman Catholic Church, care of Rev. John O'Farrell, Collingswood, N. J. Stone, 2 stories, slate roof, electric light. Plans in progress.

## New Jersey Contracts Awarded

**Bank Building,** Broadway, Camden, N. J., \$200,000. Architect, Philip J. Merz, Pennsylvania Building, Philadelphia. Owner, Broadway Trust Co., Camden, N. J. Stone, brick and steel, 2 stories, 64x76 feet, slag roof, cork, cement and oak floors, hollow tile, metal lath, roof ventilators, waterproofing, tile and marble work, iron work, concrete foundations (steam heat, electric light and plumbing reserved). Contract awarded to J. Henry Miller, Baltimore, Md.

**Dormitory,** Trenton, N. J., \$27,771. Architect, F. H. Bent, Capitol Building, Trenton, N. J. Owner, Board of Managers, State Home for Girls, Trenton, N. J. Brick, 2 stories and basement, 7x70 feet, 27x39 feet, extension slate roof, concrete foundations, steam heat, electric light, tile work. Contract awarded to Thomas Day, Trenton, N. J.

**Cow Barn (add.),** Vineland, N. J., \$9,950. Architect, F. H. Bent, State Capitol Building, Trenton, N. J. Owner, Institution for Feeble Minded Women, care of Dr. Hallowell, Vineland, N. J. Hollow tile and stucco, 1 story, 36x82 feet, concrete foundations, slate roof, cement floors, electric light, roof ventilators. Contract awarded to George W. Shaner & Son, Palmyra, Pa.

**Department Store,** Broadway and Chestnut street, Camden, N. J., \$12,500. Architect, Reuben Beard, 501 Liberty Building, Philadelphia. Owner, Leader Department Store, on premises. Brick, 2 stories, 16x26 feet, slag roof, hemlock and parquetry floors, stone foundations, tile work, metal lath, rolled steel skylights, iron work. Contract awarded to William Wrifford, Camden, N. J.

## Miscellaneous Construction News

**Building,** north of vicinity of Columbus Circle, New York City. Architects, Andrew J. Sauer & Co., 908 Chestnut street, Philadelphia. Owners, American Bosch Co., New York City. Reinforced concrete and steel, 10 stories, 50x100 feet, reinforced slag roof, concrete floors, steam heat, electric lighting. Architect has received bids.

**Boat Shed and Dredging,** Spec. 3974, Hampton Roads, Va. Architect, private plans. Owners, United States Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Frame and steel, 1 story, 28x550 feet, slate roof, wood pile foundations. Contract awarded to H. P. Converse & Co., Norfolk, Va., \$30,480, 75 days.

**Schools (2),** Norfolk, Va., \$300,000. Architect, R. Mitchell, Norfolk, Va. Owner, United States Housing Corp., Norfolk, Va. Brick and concrete, and steel, 1 story, 300x150 feet,

150x200 feet, concrete foundations, slag roof, yellow pine floors, electric light, metal lath, rolled steel skylights, iron work (heating reserved). Contract awarded to William Linker Co., 831 Cherry street, Philadelphia.

**Residence,** Silver Run, Md. Architects, Markley & Starr, Spooner Building, Harrisburg, Pa. Owner, C. I. Kroh, Esq., Silver Run, Md. Brick, 2½ stories, 43x31 feet, stone foundations, slate roof, hardwood floors, steam heat, electric light, tile work. Owners taking general bids due July 10th.

**Service Building and (8) Cottages,** Letchworth Village, Thulls, N. Y. Architect, Lewis F. Pilcher, State Architect, Albany, N. Y. Owner, Board of Managers, Letchworth Village, 7 Wall street, New York City. Brick, steel and stone, 1 story, 40x70 feet, wing 24x40 feet, 1 story, 49x145 feet, wing 64x82 feet, cottages, 1 story, 34x151 feet and 34x45 feet, slate roof, pine and concrete floors, metal lath, waterproofing, dampproofing, iron stairs, iron work, stone foundations, tile and marble work (plumbing, heating and electric lighting reserved). Owners taking bids due July 16th. Warren-Moore Co., Colonial Trust Building, Philadelphia, is figuring.

**Utica State Hospital,** Marcy, N. Y. Architect, Lewis F. Pilcher, State Architect, Albany, N. Y. Owner, State Hospital Commissioners, Albany, N. Y. Brick and steel, 3 stories, 39x295 feet, (2) wings 34x59 feet, and (1) wing 69x75 feet, and 3 stories, 40x320 feet, wing 36x83 feet, 40x76 feet, 36x83 feet, slate roof, pine and fireproof floors, metal lath, dampproofing, iron stairs, iron work, tile and marble work, concrete foundations (heating, plumbing and electric work reserved). Owners taking bids due July 28th. Warren-Moore Co., Colonial Trust Building, Philadelphia, is figuring.

## Proposals

### INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., July 3, 1919. Sealed Proposals will be opened in this office at 3 P. M., July 25, 1919, for the mechanical equipment of the kitchen and mess hall and certain outside service in the United States Marine Hospital, New York, N. Y. (Stapleton). Drawings and specification may be obtained after July 11, 1919, from the Supervising Chief Engineer, Room 731, United States Custom House, New York City, or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., July 3, 1919. Sealed Proposals will be opened in this office at 3 P. M., July 25, 1919, for the construction (except mechanical equipment) of a kitchen and mess hall for the United States Marine Hospital at New York, N. Y. (Stapleton). Drawings and specifications may be obtained after July 11, 1919, from the Supervising Chief Engineer, Room 731, U. S. Custom House, New York, N. Y., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., July 1,

Washed Bar Sand and Gravel will take less cement on concrete work. We know how.  
DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



1919. Sealed Proposals will be opened in this office at 3 P. M., July 31, 1919, for the remodeling of an electric passenger elevator in the United States post office, courthouse, and custom house at Providence, R. I., in accordance with the drawings and specification, copies of which may be had at this office in the discretion of the Supervising Architect. James A. Wetmore, Acting Supervising Architect.

### BOND PREMIUMS ON GOVERNMENT CONTRACTS

(Continued from Page 401.)

will be pressed for payment of premiums already paid to them under settled contracts unless a decision should be rendered by the Court of Claims adverse to them. Such a result is not expected. If that is adverse, there will still be an opportunity for defense to such claims under the provision of Article IV of the contract providing that the monthly statement of costs and "all payments made thereon shall be final and binding upon both parties hereto."

### UNITED ACTION ESSENTIAL

This Association expects to take up this matter as an Association matter on behalf of the contractors interested. Nearly all of them are already members of the Association, and it is hoped that all others interested will join the Association in order to bear their fair share of the movement. It is very important that contractors should leave the handling of this matter to the Association, as independent action may interfere with the orderly handling of the test case in the manner above outlined.

### SEND INFORMATION TO SECRETARY OF A. G. C.

All contractors, whether members of the A. G. C. or not, are asked to send to the Secretary, 111 West Washington Street, Chicago, Illinois, copies of their correspondence on this subject, both letters received from the officers of the Government and their replies.

chaos of the industrial period, are by no means the ideal 'home,' as any inmate can testify, and rows of houses in rows of streets in their way, are almost as undesirable as congested 'model dwellings.' Happily, those 'who know' are engaged, the world over, in educating public opinion, and, based on truer conceptions of home, town planning in all its best phases is coming rapidly to be a necessity, recognized more and more as an obligatory requirement."

Home has happily been depicted as the center, though by no means the boundary, of human affections. The setting for that home is usually conceived of as a house, and the problem is to get that house to truly express the owner's best concept of home, to get it at the cost that he can afford, and get it when he needs it. With many that time is now! The cities are crowded, and dwellings are growing more and more scarce. What is the solution?

Locally, the tendency has been to meet the complexities of living by reducing the routine work, the rent, etc., by exchanging home for existence in a "downtown" hotel or apartment. But this, at best, is a makeshift, and even the lure of an automobile to carry one abroad, or of the "night life," which will soon be on the wane when divorced from liquor, will prove inadequate substitute for a real fireside. Also, the down-town apartment and hotel life in the large cities especially, is becoming abnormally expensive, and a revolt is doubtless in store for the operators of cramped community housing schemes to face.

The realty men are already hard pressed to fill the demands for detached dwellings, and architects and contractors are busy in planning and estimating new ones. But in far too many instances the item of cost is found to be too great and is taken as a real stumbling block so that construction is postponed or abandoned. This is peculiarly unfortunate, as it will be far more difficult to again arouse that spontaneous enthusiasm that is prevalent today which is dulled by this anti-climax.

Examine the situation as to building costs, and it is readily seen that they can be grouped under the headings of labor and materials. Nearly everybody agrees that labor will not be cheaper for several years to come. Just now the tendency is decidedly upward, as may be noted by the recent announcement that after July 1st Union carpenters in San Francisco are to have \$8.00 per day. And the carpenters usually lead off in any wage demands, so that we may expect

## "BUILD YOUR HOME NOW!"

BY HENRY H. GUTTERSON, Architect.

Following, as it does, the long period of building stagnation due to war conditions, the present revival of interest in building makes a special appeal to the home seeker. Among those whose home requirements have been upset by service-in-arms or hastened into being by reason of that service, there is a real enthusiasm based on a more and more acute need the whole world over. These home seekers, and they are legion, are looking longingly at the "labor problem," so-called, measured as it is in costs—wages and manufacturing costs—and hoping that the Government's present building campaign may yet evolve something of a practical nature to solve their problem. They desire to "build now," in other words, but apparently find conditions adverse and suggestive of delay, hesitation and doubt. Their hopes should be proven well founded, even at the cost of great and unique efforts on the part of the Government.

The genuine desires for a home, to say nothing of the equally genuine and general desires for activity among the millions dependent for a livelihood on the building trades and manufacturing of materials, are normal, inherent desires; instincts not to be put down lightly; and inseparable from this greatest of all present-day social problem, called the Labor

problem. Perhaps no truer statement regarding the prevalent labor unrest has been made than that its solution lies along educational lines, in stimulating feelings of responsible citizenship among all classes. And how better can this be done than by making them the owners of their homes? "Bolshevism," so-called, or other forms of unrest based on the desire to overturn through violence, cannot thrive among those who own property, for with them destruction becomes suicidal.

A prominent New York architect has recently advocated "standardization" as a means to meet this demand for dwelling. But, although this would naturally tend toward reducing costs, it would overlook that all important distinction between a home and a house that in the end is of most vital importance if the solution of the problem is to be permanent. Recently King George of England, himself a large landlord, in addressing the building authorities in London, said on this subject:

"'Homes' is what is required, not merely 'houses,' and it is exactly in the ratio in which the average citizen discerns the full value of the essential difference that government building schemes will bear fruit of real quality. Barrack 'model dwellings,' no doubt a step out of the

We have pebbles all sizes. Cost less than what you are using. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



it will soon become a general increase. So this item of labor, which is always a very large one in building operations, is admittedly on the increase.

Materials, on the other hand, are expected by the average man to drop in price. But how can they drop? What are building materials? The actual stuff from which they are made makes up but the smaller portion of their value. Bricks, glass, lumber, metal work, plumbing, hardware, etc., have certain material, native values; but it is the labor put into them that makes them useful, and that labor is not going to be cheaper! It was estimated at the last conference of Developers of High Class Residence Property, assembled in Birmingham, Alabama, that at least 85 per cent. of the price of building materials could be classed as labor—labor of manufacture and transport—and that in the average house the cost directly attributable to materials was not in excess of \$750.00! In other words, the man who desires or needs a home now is being snared by false appearances to postpone it on account of the possible but not probable drop in price of items aggregating not over \$750.00. He is allowing his young married life to slip away, his children to be handicapped or his enjoyment of home to be postponed till it is almost too late for the best returns, because of false reasoning, or a lack of reasoning. When this condition is multiplied, as it is, in all classes and in all communities, it becomes almost a menace, hand in hand as it is with social and industrial unrest among those very people who most need to have homes. It is but one of those subtle suggestions that would keep the world from again becoming normal. Hence the Government's educational campaign looking toward keeping this labor active, and hence the need for individual effort toward building.

The Government posters are bringing out many helpful facts, among which are these: that a man can borrow money on his equity in a home, whereas on rent he cannot; and it is a duty to country, family and self to own a home; and, to the workers, "One good turn deserves another; good work here will encourage others to build." It is also a fact that on income tax returns loans for home buildings are deductible, and interest payments thereon tax free. These and many other facts combine with the loosening money market to prove the necessity for adjusting ourselves to a higher scale of values, forgetting that world that the war has swept away for all time; recognizing the real value of all

lines of work and the right of the worker to a home. The Government is making efforts toward any financial and industrial adjustments which may prove necessary toward these ends, and our support of these efforts must help bring results.

Finally, with our courage up and finances adjusted, how important it is to build in the best way we can afford. Good construction has always proven itself a worth while investment. When that investment involves the setting for the center of our affections it should allow for progress. Our house should be a substantial, adequate, artistic background for the expression of our development. How could it be better set than in a garden with a free space and sunshine on all sides—a garden home. Build now!—*Architect and Engineer.*

### WILL OWNERS TAKE A "SPORTING CHANCE?"

Cannot the architects convince their clients that it is at least worth while to take a "sporting chance" right now and have plans made and the bids taken? And pay the architect for his trouble besides! This relatively small expense is the only "chance" the owner takes in the matter, as the contractors, while stating that they are wasting their time to some extent in figuring jobs that never go through, are yet willing to continue doing so because it is clearly to their best interest to assist in the resumption of building activity. Every job that is figured does not fall flat; a good percentage of them are ready to be signed up, and this percentage is steadily increasing.

It simply means carefulness must be exercised on the part of the architect in conserving every item possible in plan and design; in not making absurd guesses for the owner's benefit. To induce the owner to take a "sporting chance," so to speak, in getting the plans under way and compensating the architect. The contractor will do his level best to land the job. The result, among other things, will be a closer getting together between the architect and the contractor, in the wholesome endeavor of getting the job through, and on the whole a more outspoken and practical view of the whole transaction on the part of owner, architect and contractors.

It is up to the dealers to do their level best—and the question has arisen, and is a serious one. Are they doing so?—*Building Review.*

## The Page "Ad"

"I like the clean, outstanding appeal of the page ad," said an advertiser recently, "but I'll be frank to say that I've never been able to convince myself that it can be made to pay."

"Have you ever tried out a whole page?" he was asked.

No. He hadn't. But he knew what a page of space would cost, and he couldn't get away from a certain overhang of doubt that the additional results would prove commensurate with the extra outlay.

We mentioned Wanamaker, who uses a page a day regularly, varying this program now and then by making it two pages.

Oh, yes, of course. But then Wanamaker's case was quite different.

We asked him to point out "how" and "why."

The truth of the matter is that the page ad is just as much more effective than the small ad as the big show window is more effective than the small show window.

To be sure, in the case both of the ad and the window a whole lot necessarily depends on just what you put into them and how you dress it up.

It wouldn't be good business to buy a page of space in order to work off a string of poor sales-talk.

But, assuming that the sales-talk is "right" and the article it is designed to sell an article that has real merit and utility, the page ad is actually the short cut to results.

The first object of any ad is to get the attention of the reader.

Nothing does this more effectually than the page announcement.

We have in mind an advertiser who slips a page space into his regular schedule now and then just as an interest-reviver.

He tells us it pays big.

Whether it would pay as handsomely in your case, we are not in a position to say.

Why not try it out?

The cost is not excessive.

Call Mr. L. S. DeLone.

### THE BUILDERS' GUIDE

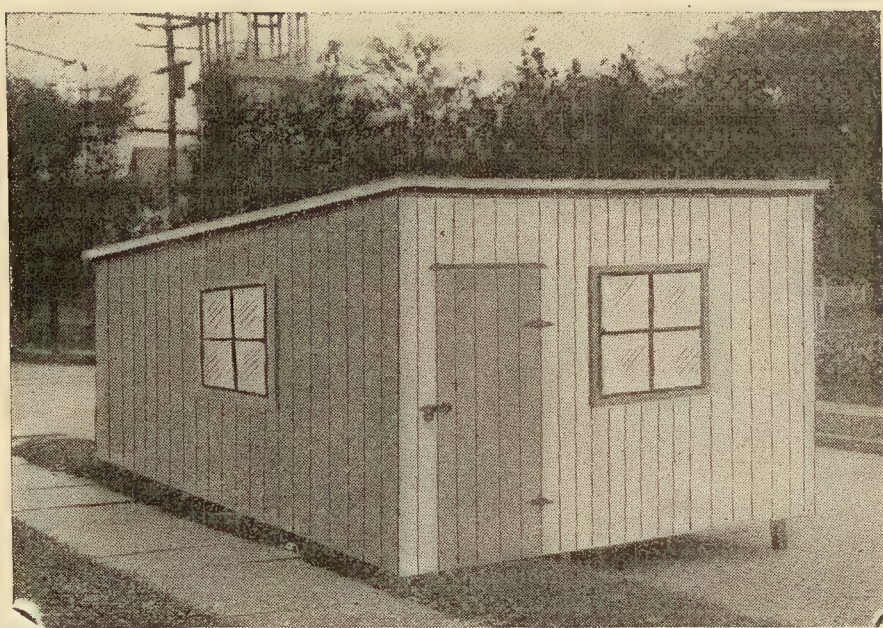
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| 6      | 6 x 6 ft.   | 6 ft.       | 1 door, 1 single window   | 37.50   |
| 8      | 6 x 8 ft.   | 6 ft.       | 1 door, 1 single window   | 44.00   |
| 9      | 12 x 10 ft. | 7 ft. 9 in. | 2 doors, 1 double window  | 93.00   |
| 10     | 8 x 16 ft.  | 7 ft. 9 in. | 2 doors, 2 double windows | 91.00   |
| 12     | 12 x 20 ft. | 7 ft. 9 in. | 2 doors, 2 double windows | 160.00  |
| 14     | 14 x 28 ft. | 7 ft. 9 in. | 2 doors, 4 double windows | 220.00  |
| 16     | 8 x 10 ft.  | 8 ft.       | 1 door, 1 single window   | 62.00   |
| 18     | 10 x 14 ft. | 8 ft.       | 1 door, 2 double windows  | 100.00  |
| 20     | 12 x 16 ft. | 8 ft.       | 1 door, 2 double windows  | 126.00  |
| 22     | 12 x 18 ft. | 8 ft.       | 1 door, 2 double windows  | 143.00  |

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# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Tapestry, Face, Common Paving)

O. W. Ketcham.....Builders' Exchange, Phila.  
John S. E. Pardee & Co.....Heed Bldg., Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.  
Samuel H. French & Co.....4th and York sts., Phila.

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.  
Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.

Petronite Mfg. Co.....531 N. 9th st., Phila.

Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.

Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Contractors' Equipment.

Service Equipment Co.....Bourse Bldg., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.

General Fireproofing Co. 512 Bulletin Bldg., Phila.

Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.

McCalla Co., The Harold... 531 N. 4th st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.

Truscon Steel Co.....Commonwealth Bldg., Phila.

## Floor Plates.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co. 1332 Arch st., Phila.

## Gas Water Heaters.

Apeldorn & Beatty Co.... 155 N. 9th st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.

Fleck Bros. Co.....44 N. 5th st., Phila.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

Richardson and Boynton Co. 1332 Arch st., Phila.

## Hollow Tile.

O. W. Ketcham.....Builders' Exchange, Phila.

## Insurance.

Harris J. Latta.....Pennsylvania Bldg., Phila.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.

Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Iron and Steel Bars and Plates.

Alan Wood Iron & Steel Co. Widener Bldg., Phila.

McCalla Co., The Harold... 531 N. 4th st., Phila.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Levels.

Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

## Light Iron Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lumber.

Wm. Lloyd Co.....29th and Ridge ave., Phila.

James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.

Italian Marble Mosaic Co... 433 Spruce st., Phila.

Roman-Cianci Co., Inc... 3428 Warren st., Phila.

## Metal Lath.

Audubon Wire Cloth Co., Inc.... Audubon, N. J.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.

General Fireproofing Co. 512 Bulletin Bldg., Phila.

McCalla Co., The Harold... 531 N. 4th st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.

Truscon Steel Co.... Commonwealth Bldg., Phila.

## Metal Lath Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Metal Tiles and Shingles.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Meters.

Philadelphia Meter Co.,  
Real Estate Trust Bldg., Phila.

## Mill Supplies.

The Fairbanks Co.....7th and Arch sts., Phila.

## Paints and Varnishes.

The Barrett Company,  
New York and Phila.

French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

## Paving Bricks.

O. W. Ketcham.....Builders' Exchange, Phila.

John S. E. Pardee & Co.....Heed Bldg., Phila.

## Pipe Fittings and Valves.

The Fairbanks Co.....7th and Arch sts., Phila.

## Plumbing Fixtures.

Fleck Bros. Co.....44 N. 5th st., Phila.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

Joseph Vogel Co.....Wilmington, Del.

## Preservatives (Wood and Concrete).

The Barrett Co.....New York City and Phila.

## Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.

Henry M. Miller.....46-48-50 N. 2d st., Phila.

Richardson and Boynton Co. 1332 Arch st., Phila.

## Refrigerators.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.

## Reinforcing Bars.

Morris Wheeler & Co. 30th and Locust sts., Phila.  
Truscon Steel Co.... Commonwealth Bldg., Phila.

## Roofing.

The Barrett Co.....New York City and Phila.

## Roofing Tile.

O. W. Ketcham.....Builders' Exchange, Phila.

William Moore Co.....1506 Sansom st., Phila.

## Roofing Tin.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Roofing Slate.

William Moore Co.....1506 Sansom st., Phila.

## Safety Guards.

Audubon Wire Cloth Co., Inc.... Audubon, N. J.

Kensington Metal Co.... 1612 N. 2nd st., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

## Screens.

Thos. J. Malia.....141 Wentz st., Phila.

## Steam Specialties.

Apeldorn & Beatty Co.....155 N. 9th st., Phila.

## Slate.

William Moore Co.....1506 Sansom st., Phila.

## Soundings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co.....Bourse Bldg., Phila.

John B. Rulon.....1355 Colwyn st., Phila.

## Structural Slate.

William Moore Co.....1506 Sansom st., Phila.

## Structural Steel.

McCalla Co., The Harold... 531 N. 4th st., Phila.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Surety Bonds.

Harris J. Latta.....Pennsylvania Bldg., Phila.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.

Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co.....Bourse Bldg., Phila.

John B. Rulon.....1355 Colwyn st., Phila.

## Tile and Terrazzo Work.

Belfi Bros. & Co.....1923 Market st., Phila.

French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

Italian Marble Mosaic Co... 433 Spruce st., Phila.

Petronite Mfg. Co.....531 N. 9th st., Phila.

Roman-Cianci Co., Inc... 3428 Warren st., Phila.

William Moore Co.....1506 Sansom st., Phila.

## Tiling.

William Moore Co.....1506 Sansom st., Phila.

## Transits.

Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

## Ventilators.

Merchant & Evans Co.,  
2035 Washington ave.

## Water Paint.

Wm. B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Waterproofing.

The Barrett Co.....New York City and Phila.

## Water Supply.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Weather Strip (Metal).

American Metal Weather Strip,  
2118 Diamond st., Phila.

Thos. J. Malia.....141 Wentz st., Phila.

## Wheelbarrows.

The Fairbanks Co.....7th and Arch sts., Phila.

## Wire Work.

Audubon Wire Cloth Co., Inc.... Audubon, N. J.

Kensington Metal Co.... 1612 N. 2nd st., Phila.



1792

FOUNDED 1792

1919



## Insurance Company of NORTH AMERICA PHILADELPHIA

### ASSETS

|                                      |                 |
|--------------------------------------|-----------------|
| Bonds and Stocks.....                | \$24,280,745.19 |
| Cash in Banks.....                   | 2,395,335.33    |
| Premiums in course of transmission.. | 3,203,681.96    |
| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

### LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

Total Liabilities ..... \$30,801,413.40

Surplus to Policyholders..... \$ 12,922,516.93

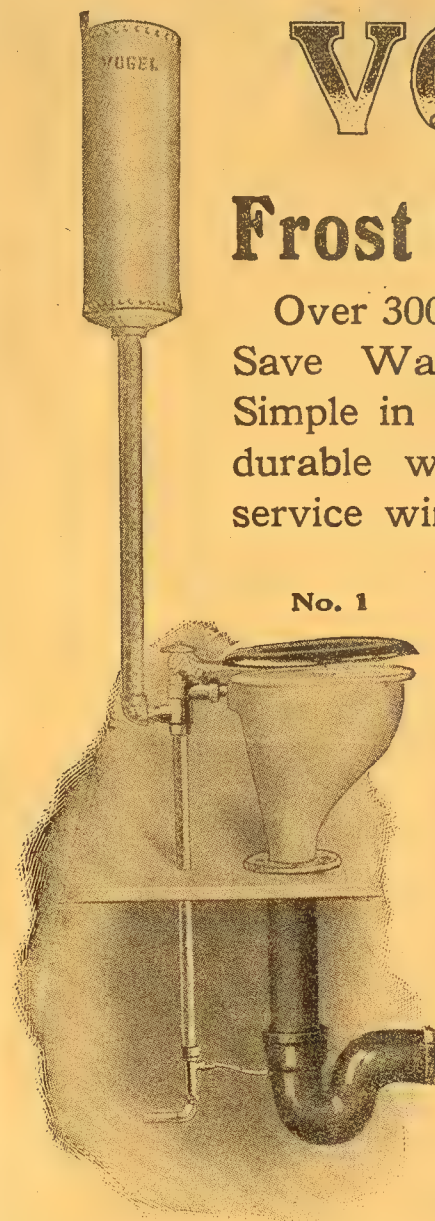
Losses paid since organization 203,147,689.78

### The Oldest American Stock Insurance Company

Fire Insurance  
Tornado  
Sprinkler  
Explosion  
Inland Transit  
Salesman's Floater

Automobile  
Use and Occupancy  
Builder's Risk  
Tourist  
War Risk

Cotton Insurance  
Marine  
Rent  
Leasehold  
Parcel Post  
Registered Mail



# VOGEL

PATENTED

## Frost Proof Closets

Over 300,000 giving satisfaction.  
Save Water; Require No Pit;  
Simple in the extreme. The most  
durable water closet made. In  
service winter and summer.

No. 1

Enameled roll flushing  
rim bowls.

Heavy brass valves.

Strong hard wood seat.

Heavy riveted tank.

Malleable seat castings  
will not break.

Sold by Jobbers Everywhere

### JOSEPH A. VOGEL CO.

WILMINGTON, DELAWARE  
ST. LOUIS, MO.



MANUFACTURERS OF

## DIAMOND AND RIBBED PATTERN Rolled Steel Floor Plates

SIZES FURNISHED ON APPLICATION



Whether you have an "easy" or "complicated" heating or cooking problem, it can be solved  
by simply specifying **ADELPHIA** on either a



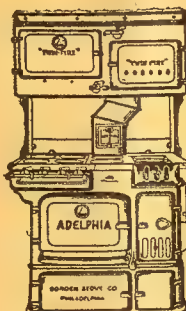
**STEAM OR HOT WATER BOILER**



**REFRIGERATOR**



**GAS RANGE**



**WARM AIR PIPE OR PIPELESS  
FURNACE**



**RANGES FOR STRAIGHT COAL OR  
COMBINATION COAL AND GAS**



**TANK HEATER**

We are also Eastern Agents for the celebrated PITTSBURG line of automatic and tank gas water heaters. Our centrally located showrooms present one of the finest assortments in the city, and the architect or client is always assured of a hearty welcome. Our complete stocks carried at all times enable us to render that same BORDEN SERVICE—since 1878—and last but not least—our prices are right, too!

**BORDEN STOVE CO.**

**1311-1313 Arch Street**

**PHILADELPHIA**



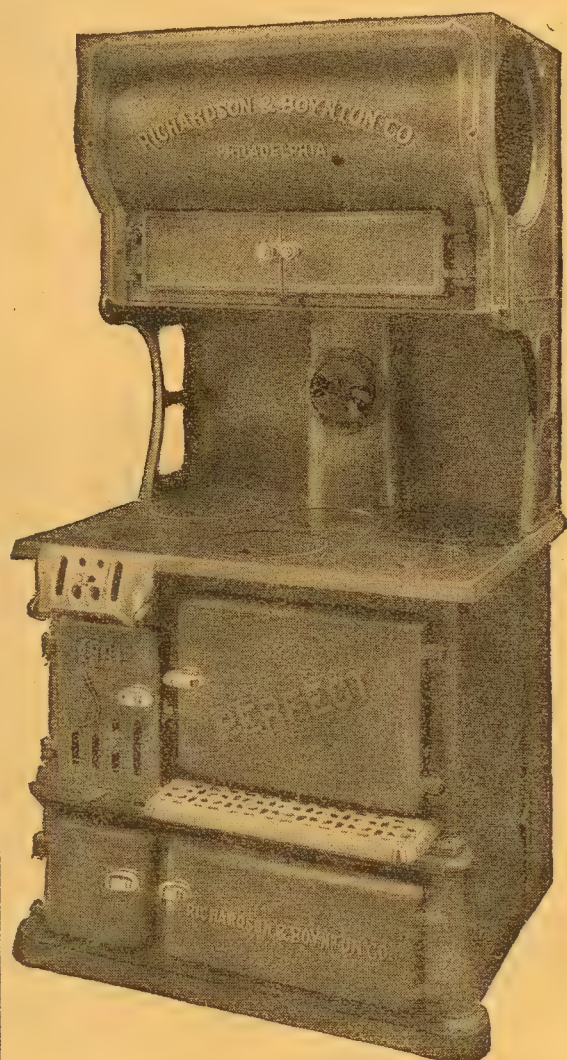
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 29  
July 16, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

LESS THAN ONE YEAR  
15 CENTS PER COPY

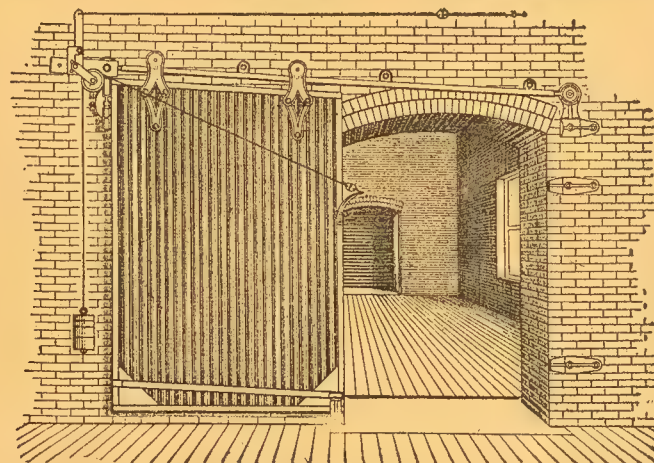


**Delivery Same Day  
Order is Received**

This is one of the famous  
**RICHARDSON Products**

Public Showroom:  
**1332 Arch St., Philadelphia**

## DOES FIRE SPREAD?



**Evans "ALMETL" Fire Doors  
and Shutters, (Patent Pending)**

will confine fire to the same room where it started. This will save the contents in other parts of the building from being destroyed.

They are constructed ruggedly of metallic non-combustible materials to make them last for a century, yet they are light and easy to operate.

Fully approved by the Underwriters' Laboratories and by Fire Prevention Authorities throughout the country.

Mark Your Inquiry for Department 20

**MERCHANT & EVANS CO.**

NEW YORK

PHILADELPHIA

WHEELING

BALTIMORE

ATLANTA

CLEVELAND



CHICAGO

ST. LOUIS

KANSAS CITY

*The*  
**NATIONAL  
CEMENT**

**LEHIGH PORTLAND  
CEMENT COMPANY.**

OFFICES

ALLENTOWN PA. - CHICAGO ILL. - SPOKANE WN.

NEW YORK, N.Y. KANSAS CITY, MO. OMAHA, NEB.

BOSTON, MASS. MINNEAPOLIS, MINN. PITTSBURGH, PA.

PHILADELPHIA, PA. NEW CASTLE, PA. MASON CITY, IOWA.

JACKSONVILLE, FLA. RICHMOND, VA.

*The National Cement*

**LEHIGH  
CEMENT**



WRITE, WIRE OR PHONE  
FOR VALUABLE CATALOGUE

**IMMEDIATE DELIVERIES**

from our large

**PHILADELPHIA WAREHOUSE**

REINFORCING BARS—Cut to Length  
or Fabricated

DIAMOND MESH LATH

HY-RIB and RIB LATH

CORNER BEAD and CURB BARS

**TRUSCON STEEL WINDOWS**

**TRUSCON STEEL COMPANY**

Formerly TRUSSED CONCRETE STEEL COMPANY

810 Commonwealth Building

Philadelphia



# THE LAND TITLE AND TRUST COMPANY

BROAD STREET, CHESTNUT TO SANSOM, PHILADELPHIA

Capital \$2,000,000

Surplus \$5,000,000

FIRST TRUST COMPANY IN THE PHILADELPHIA CLEARING HOUSE

**Deposits** received upon which interest is allowed

**Titles** to real estate insured

**Loans** on mortgage and approved securities

**Trusts** executed

**Safe Deposit Boxes** rented in burglar-proof vaults

**Travel Bureau**

President

WILLIAM R. NICHOLSON

Vice-President

EDWARD H. BONSALE

Vice-President and Treasurer

LEWIS P. GEIGER, JR.

Secretary

LOUIS A. DAVIS

Vice-President

J. WILLISON SMITH

Vice-President

HENRY R. ROBINS

Trust Officer

CLAUDE A. SIMPLER

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Henry R. Gummey

Samuel S. Sharp

J. Willison Smith

George W. Elkins

John W. Brock

Charles H. Harding

Eugene W. Fry

Ralph H. North

Joseph E. Widener

Edward H. Bonsall

Frederick J. Geiger

William M. Elkins

George D. Widener

Percival E. Foerderer

HENRY M. GRATZ  
President

DANIEL H. DUNHAM, NEAL BASSETT  
Vice-Presidents

DAVIS G. VAUGHAN, Secretary

ALBERT H. HASSINGER, HENRY L. HEIT, Assistant Secretaries

JOHN KAY ALBERT H. HASSINGER MORRISON C. COLYER  
Treasurer Assistant Treasurer Counsel

## THE GIRARD

Fire and Marine  
Insurance Company

N E. Cor. 7th and Chestnut Sts.

PHILADELPHIA

Assets - - - \$2,553,904.70

DIRECTORS

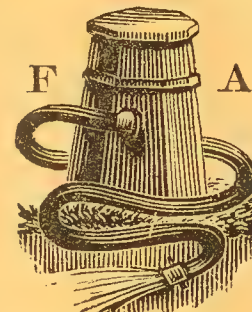
Henry M. Gratz  
John C. Lowry  
William R. Nicholson  
Franklin M. Potts  
Edward J. Thomason  
George W. Watt

C. S. W. Packard  
Daniel H. Dunham  
Neal Bassett  
John Kay  
Morrison C. Colyer  
Edgar E. Ward

James P. Dusenberry  
Percy Jackson  
Samuel W. Baldwin  
Archibald S. Reid  
James G. Glenn

## Fire Association

OF PHILADELPHIA



Organized Sept. 1, 1817  
Incorporated March 27, 1820

PERPETUAL CHARTER

Capital, \$1,000,000.00  
Assets, \$13,481,581.00

Officers

E. C. IRVIN, President

J. H. COCHRAN, Vice-President

JOHN B. MORTON, 2nd Vice-President

M. G. GARRIGUES, Sec. and Treas.

R. N. KELLY, Jr., Asst. Secretary

Directors

ELIHU C. IRVIN  
JAMES BUTTERWORTH  
ROBERT WHITAKER  
CHAS. B. ADAMSON  
HORACE T. POTTS  
RICHARD CAMPION

DIMNER BEEBER  
GEO. W. NEVIL  
WM. A. LAW  
EDWARD J. MOORE  
JOHN GRIBBEL  
C. FREDRICK C. STOUT

J. H. COCHRAN

Office: COMPANY'S BUILDING  
N. W. Cor. 4th and Walnut Sts., Philadelphia, Pa.



## METAL LATH

Channels, Angles, Tie Wire, Corner Beads

## MACHINE GUARD SUPPLIES

Expanded Metal, Perforated Metal, Angles, Rivets  
Bolts, Washers, Cleats, Whitney  
Punches and Dies

TANKS { WELDED  
FORMED

## IRON AND STEEL

of every description

## Galvanized Roofings and Sidings

Perforated and Expanded Metals

## The Harold McCalla Co.

General Offices:—531-33 N. Fourth St.  
PHILADELPHIA

### WAREHOUSES:

444-48 Fairmount Avenue, 1911-13 N. Second Street,  
438-40 Brown Street, 531-33 N. Fourth Street.

F. M. VENZIE

GEORGE KATZ

Specialists in Metal Lath and Light  
Iron Construction

FOR

Fire Proof Partitions  
Plain & Ornamental Ceilings  
Cornice Furring & Bracketing  
Metal Lathing for Stucco

We are not too big to look for  
your Small Orders, nor too  
small to handle your big fellows

Let our experience help solve your problems  
in Metal Lath Construction

## Metal Lathing Specialty Co.

2610-24 West Huntingdon Street  
Philadelphia, Pa.

Bell Phone, Diamond 209

Keystone, Park 1478

## Bricklayers, Masons, Plasterers



### DO YOU

use the hod carrying  
method of elevating  
brick, mortar, cement,  
etc.? It's too old fash-  
ioned—too slow and cost-

ly—for present day building work.

"LITTLE GENERAL" MATERIAL ELEVA-  
TOR HOISTS are used by dozens of bricklayers in  
Philadelphia, who used to rely on the hod carrier  
method, which was expensive and unsatisfactory.  
Now they use a "LITTLE GENERAL" and save  
money.

Several bricklayers have told us they saved the  
price of the "LITTLE GENERAL" on the first job.

"LITTLE GENERALS" in Philadelphia stock  
ready for immediate delivery.

One man to load the elevator, one man to dis-  
tribute the barrows and one man at the hoist will  
keep fifteen bricklayers hustling.



Elevator operates in  
an opening 26" x 60".  
Easy to erect, easy to  
take down and move,  
convenient to store.

Phone for prices and  
special discount.

## SERVICE EQUIPMENT COMPANY

Bourse Building, Philadelphia, Pa.

Lombard 490

## IRON AND STEEL

of all Shapes and Sections

PLAIN AND FABRICATED

For All Purposes

IMMEDIATE DELIVERIES

## MONTGOMERY IRON & STEEL CO.

1832-40 North 9th Street

PHILADELPHIA



## Fourth St. National Bank

Philadelphia, June 30, 1919.

### RESOURCES

|                                                                    |                        |
|--------------------------------------------------------------------|------------------------|
| Loans and Discounts .....                                          | \$61,633,675.99        |
| Customers' Liability under Letters of Credit and Acceptances ..... | 2,016,296.68           |
| Due from Banks .....                                               | 12,580,848.34          |
| Exchanges for Clearing House .....                                 | 2,068,964.19           |
| Cash and Reserve .....                                             | 7,861,643.61           |
|                                                                    | <b>\$86,161,428.81</b> |

### LIABILITIES

|                                                               |                        |
|---------------------------------------------------------------|------------------------|
| Capital Stock .....                                           | \$ 3,000,000.00        |
| Surplus and Profits .....                                     | 7,530,884.61           |
| Reserved for Taxes and Expenses .....                         | 147,391.34             |
| Circulation .....                                             | 493,600.00             |
| Letters of Credit Issued to Customers, and Acceptances .....  | 2,030,831.63           |
| Deposits .....                                                | 72,958,721.23          |
| Rediscounts and Bills Payable with Federal Reserve Bank ..... | None                   |
|                                                               | <b>\$86,161,428.81</b> |

EVERY FORM OF DOMESTIC AND FOREIGN BANKING  
UNEXCELLED FACILITIES

E. F. SHANBACKER, President

|                                         |                                      |
|-----------------------------------------|--------------------------------------|
| R. J. CLARK,<br>Vice-Pres. and Cashier. | W. A. BULKLEY,<br>Asst. Cashier.     |
| W. K. HARDT,<br>Vice-President.         | C. F. SHAW, Jr.,<br>Asst. Cashier.   |
| W. R. HUMPHREYS,<br>Vice-President.     | ARTHUR MacNICHOLL,<br>Asst. Cashier. |

### DIRECTORS

SYDNEY F. TYLER, Chairman

|                    |                     |                        |
|--------------------|---------------------|------------------------|
| Frank T. Patterson | Frank G. Rogers     | Chas. A. Daniel        |
| William A. Dick    | George K. Johnson   | A. E. Newbold, Jr.     |
| W. R. Nicholson    | Joseph E. Widener   | Irene Du Pont          |
| Francis I. Gowen   | Harry A. Berwind    | Isaac H. Clothier, Jr. |
| E. F. Shanbacker   | William M. Potts    | George F. Tyler        |
| James M. Willcox   | George Dallas Dixon | W. Averell Harriman    |
| William de Kraft   | Johnathan C. Neff   |                        |

## FRANKLIN NATIONAL BANK

Chestnut Street West of Broad  
PHILADELPHIA

Statement at Close of Business, June 30, 1919

### RESOURCES

|                                         |                 |
|-----------------------------------------|-----------------|
| Loans and Discounts .....               | \$49,727,600.76 |
| Liability under Letters of Credit ..... | 80,155.39       |
| Interest Earned Uncollected .....       | 120,561.53      |
| Due from Banks .....                    | 14,352,101.27   |
| Cash and Reserve .....                  | 4,679,678.75    |
| Exchanges for Clearing House .....      | 3,777,745.41    |

**\$72,737,843.11**

### LIABILITIES

|                                                                                 |                 |
|---------------------------------------------------------------------------------|-----------------|
| Capital .....                                                                   | \$ 1,000,000.00 |
| Surplus .....                                                                   | 4,000,000.00    |
| Undivided Profits .....                                                         | 578,511.64      |
| Reserved for Taxes .....                                                        | 145,598.83      |
| Discount and Interest Unearned .....                                            | 100,156.03      |
| Letters of Credit .....                                                         | 80,155.39       |
| Bills, Payable at Federal Reserve Bank, Secured by Government Obligations ..... | 7,500,000.00    |
| Deposits .....                                                                  | 59,333,421.22   |

**\$72,737,843.11**

J. R. McALLISTER, President

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| J. A. HARRIS, Jr., Vice-President | E. E. SHIELDS, Asst. Cashier      |
| J. WM. HARDT, Cashier             | W. M. GEHMANN, Jr., Asst. Cashier |
| M. D. REINHOLD, Assistant Cashier |                                   |

### DIRECTORS

|                          |                        |                   |
|--------------------------|------------------------|-------------------|
| Samuel T. Bodine         | J. Andrews Harris, Jr. | Edgar C. Felton   |
| Henry Tatnall            | John Hampton Barnes    | Edward F. Beale   |
| J. Rutherford McAllister | Morris L. Clothier     | Daniel B. Wentz   |
| Frederick L. Bailly      | C. S. W. Packard       | Arthur W. Sewall  |
| Effingham B. Morris      | Charlton Yarnall       | Joseph Moore, Jr. |
| Percy C. Madeira         | W. W. Atterbury        | Lewis Lillie      |
|                          |                        | Jay Cooke         |

FOREIGN EXCHANGE IN ALL ITS BRANCHES

## UNION NATIONAL BANK

THIRD AND ARCH STREETS  
PHILADELPHIA

A Commercial Convenience in a Commercial Community

STATEMENT OF CONDITION, June 30, 1919

### RESOURCES

|                                                                              |                        |
|------------------------------------------------------------------------------|------------------------|
| Loans and Investments .....                                                  | \$17,571,480.98        |
| Due from Banks .....                                                         | 2,851,798.89           |
| Exchange for the Clearing House .....                                        | 556,350.75             |
| Customers' Liability on account of "Acceptances" Executed by this Bank ..... | 49,513.34              |
| Cash and Reserve .....                                                       | 1,452,005.39           |
|                                                                              | <b>\$22,481,149.35</b> |

### LIABILITIES

|                                                                                                               |                        |
|---------------------------------------------------------------------------------------------------------------|------------------------|
| Capital .....                                                                                                 | \$ 500,000.00          |
| Surplus and Net Profits .....                                                                                 | \$ 641,024.35          |
| Unearned Discount .....                                                                                       | 87,208.20              |
| Amount Reserved for Taxes .....                                                                               | 38,177.39              |
| Circulation .....                                                                                             | 465,197.50             |
| Acceptances Executed for Customers .....                                                                      | 49,513.34              |
| Bills Payable with Federal Reserve Bank secured by U. S. Liberty Bonds and Certificates of Indebtedness ..... | 5,005,000.00           |
| Bills Payable with Federal Reserve Bank .....                                                                 | 903,556.00             |
| War Loan Deposit .....                                                                                        | 270.00                 |
| Deposits .....                                                                                                | 14,791,203.57          |
|                                                                                                               | <b>\$22,481,149.35</b> |

### OFFICERS

J. S. McCULLOCH, President

IGNATIUS J. DOHAN, Vice-President

|                            |                    |
|----------------------------|--------------------|
| LOUIS N. SPIELBERGER       | O. STUART WHITE    |
| Vice President and Cashier | Asst. Cashier      |
| SAMUEL CAMPBELL            | FREDERICK FAIRLAMB |
| Asst. Cashier              | Asst. Cashier      |

### DIRECTORS

|                                        |                      |                   |
|----------------------------------------|----------------------|-------------------|
| W. H. CARPENTER, Chairman of the Board |                      |                   |
| Ignatius J. Dohan                      | Louis N. Spielberger | Wm. D. Oelbermann |
| Horace T. Potts                        | Wm. McAdoo, Jr.      | Jonathan Jenks    |
| Henry F. Michell                       | Henry H. Barton, Jr. | Charles J. Clark  |
| S. S. Marvin                           | Nathan T. Folwell    | Henry M. McAdoo   |
| J. S. McCulloch                        | Samuel E. Landis     | N. K. Conderman   |
| John C. Martin                         |                      |                   |



THE OLDEST BANK IN AMERICA

*The Bank of  
North America*

(National Bank)

CHARTERED BY  
CONTINENTAL CONGRESS 1781

Philadelphia, June 30, 1919

### REPORT OF CONDITION

### RESOURCES

|                                                                     |                        |
|---------------------------------------------------------------------|------------------------|
| Loans and Discounts .....                                           | \$27,061,491.62        |
| Due from Banks and Bankers .....                                    | 4,600,222.42           |
| Clearing House Exchanges .....                                      | 1,589,407.30           |
| Cash and Reserve .....                                              | 2,144,468.66           |
| Treasurer of the United States .....                                | 73,000.00              |
| U. S. Securities Pledged for Customers .....                        | 9,125,500.00           |
| Interest Earned, Not Collected .....                                | 109,232.43             |
| Bills of Exchange Bought .....                                      | 19,457.50              |
| Customers Liabilities under Acceptances and Letters of Credit ..... | 100,000.00             |
| Total .....                                                         | <b>\$44,822,779.93</b> |

### LIABILITIES

|                                                         |                        |
|---------------------------------------------------------|------------------------|
| Capital .....                                           | \$1,000,000.00         |
| Surplus and Undivided Profits .....                     | 2,258,258.45           |
| Circulation .....                                       | 490,797.50             |
| Deposits .....                                          | 22,627,525.53          |
| U. S. Securities Borrowed from Customers .....          | 8,525,500.00           |
| Bills of Exchange Sold .....                            | 19,457.50              |
| Reserve for Taxes and Interest .....                    | 10,015.84              |
| Acceptances Executed and Letters of Credit Issued ..... | 100,000.00             |
| Bills Payable Secured by Government Bonds .....         | 9,125,500.00           |
| Unearned Discount and Interest .....                    | 120,724.03             |
| Subscriptions to Liberty Loans .....                    | 545,001.08             |
| Total .....                                             | <b>\$44,822,779.93</b> |

|                              |                                 |
|------------------------------|---------------------------------|
| CHARLES H. HARDING, Pres.    | W. J. MURPHY, Assist. Cashier   |
| SAMUEL D. JORDAN, Vice-Pres. | R. S. MCKINLEY, Assist. Cashier |
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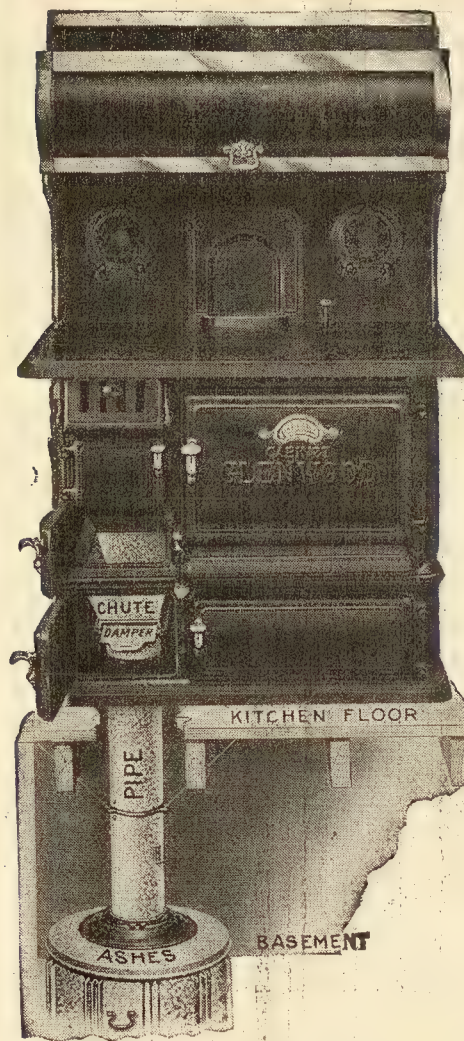
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to barrel is another entirely new  
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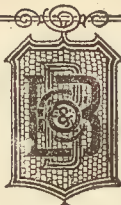
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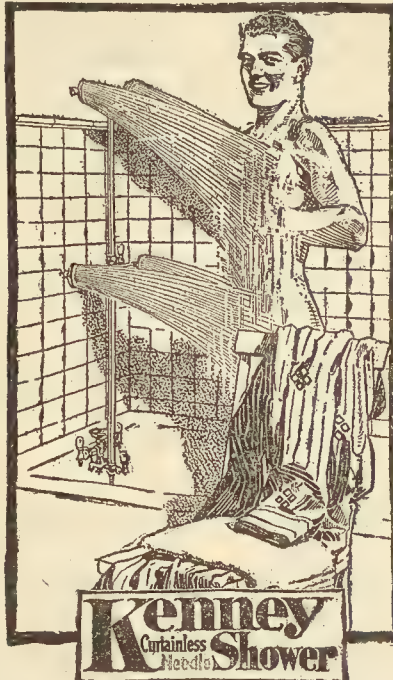
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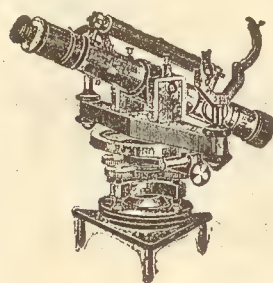
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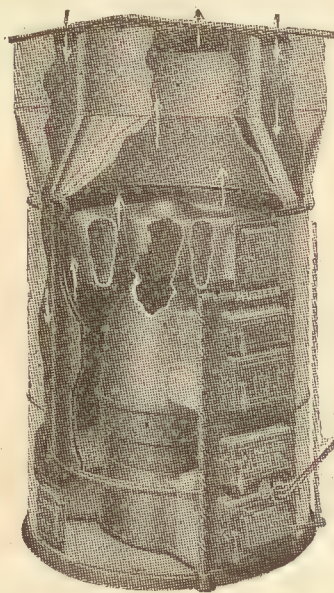
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 29

PHILADELPHIA  
July 16, 1919

## BUILDERS' GUIDE

OFFICES, PERRY BUILDING (Suite 824-825-826)  
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## As The Editor Sees It



THE semi-annual report of building operations in Philadelphia, published in full on another page of this issue, is tangible evidence that construction work is under way and that the prophesied building boom is near at hand.

Nineteen-eighteen outclassed all previous low building records with the total value of building only \$15,452,670. Total operations for which permits in the first six months of 1919 were issued amount to \$21,982,990, and this before the building industries have had a chance to adjust themselves to new conditions.

The most notable increase is in the number of two-story dwellings. Of these, there were erected during the year 1918 only 884 at a cost of \$2,885,710. During the first half of 1919 there have been started 2,395 two-story dwellings at an estimated cost of \$10,147,400. This represents practically half of all money spent in construction work during the first six months of this year, and is indicative of the great demand and need for homes for the average working man.

In 1918 there were erected 62 three-story dwellings at a cost of \$403,000. The first half of 1919 shows a big increase here also. The number of three-story dwellings during this period being 340, at an estimated cost of \$2,552,915.

The total new buildings from January to June, inclusive, is 3,610, estimated cost, \$17,305,960 against a total for the whole of 1918, of 1747, at a cost of \$9,260,015.

These conditions are not confined to

Philadelphia. From Boston comes the report that labor troubles in the building trades, which for some time have seriously threatened the Boston construction program, are being settled by arbitration and it is gratifying to note that in spite of these difficulties between contractors and carpenters, the Building Commissioner of Boston for the first five months of 1919 issued a total of 2,163 building permits for work valued at \$6,584,504, this being an increase by one-half over 1918 figures. Some of the wholesale men and retailers in and near Boston say they are not surprised by the advance in building material prices; others declare this increase has come sooner than they had expected, although it was looked for during the summer. Buyers have learned from bitter experience in this section, as everywhere, not to delay even though prices are higher. Some stocks are almost impossible to procure now and the export demand is brisk.

Building statistics for 164 cities for May compare very favorably with the best in the last five years. Only in May, 1916, were the figures larger. The total is about 300 million dollars for the five months of 1919. The average value of permits for May was \$2,614 compared to \$1,700 in January, showing that the ratio of new building to repair work is increasing. Chicago permits were for seven millions for May and New York and its boroughs show a total of about nineteen million.

It seems likely that the present volume of activity will continue for three or four months to come. Toward the close of the building season it is possible that the amount of contracts awarded may show a slight decline. However, judging from the amount of building needs not yet taken care of and the enormous increase in activity that has been witnessed during the first six months of the year, it would appear that 1919 will go down in the history of construction activities as a banner year. In view of the uneasiness with which the public viewed the business situation in January, the rapidity and the extent of the recovery have been remarkable.

Activity in Eastern Pennsylvania, Southern New Jersey, Maryland, Delaware and Virginia, shows an even larger percentage of gain, contracts let between January 1 and June 30, this year in this territory, amounting to \$171,435,000, an increase of thirty-six per cent. over the average for the corresponding periods of the preceding five years. This average, expressed in terms of 1919 values, was \$121,000,000. In fact, the 1919 total to date is greater than for any similar period, except 1918, when \$228,000,000 was reached. Nearly half of this, however, was for Government work.

Of the total for this year to date in the territory under consideration, fifty per cent. was for residential work, and thirteen per cent. industrial.

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**P**ASSAGE of the loan bill authorizing the city of Philadelphia to borrow money for installation of sewers and street improvements, although the bill will not allow so large an amount to be expended as had been deemed advisable, will help materially the operative builders.

While none of the men, says "The Press," who have built and are willing to continue building Philadelphia is entirely satisfied with the loan bill which passed City Councils last week, because the amounts they believed to be absolutely necessary for street improvements, such as main and branch sewers, and water mains, etc., were pared down materially, all concerned feel relieved to a degree because it will now be possible to continue development here, and they will not be forced either to go out of business or seek other fields of endeavor.

The matter from the standpoint of the Philadelphia Operative Builders' Association is a plain business proposition, in which the municipality has by far the greater interest. The construction of a house, they point out, means increasing the taxable value of the lot it stands upon, at least tenfold, in some cases much more. Instance after instance might be quoted in support of this statement, but it is sufficient to point out that a block of ground in West Philadelphia paying taxes on a valuation of \$25,000 as vacant land, is now assessed and pays taxes at the city, or highest, rate of taxation on a valuation of \$250,000 since improvement by the construction of dwellings.

Improvement of vacant land also means not only an increase in municipal revenue from increased taxation, but also an increase in the city's borrowing capacity. This increase amount to 10 per cent. of the assessed value of real estate within the boundaries of the city under a recent amendment to the Constitution, and consequently every dollar of value created by the builders means that another dime may be borrowed by the city for permanent improvements, as well as two and thirty-five hundredths cents in the municipal coffers for current expenses.

In this connection it may be pertinent to point out that \$7,354,625 was added to the value of real estate in Philadelphia last month by the builders. More than half of this sum, or \$4,688,750, to be exact, was the direct result of the activities of the operative builders, as this amount was invested by them in the construction of 984 houses, 868 of which were of the two-story type which has become so popular in this city in the last twenty-odd years or so.

As the result of this single month's activity among the builders taxable value

has been added to city real estate equal to the amount expended in improvements, while the city's borrowing capacity has been increased \$735,462.50

In view of these facts the builders are at a loss to understand why there should have been any question raised in Councils as to the propriety of passing the loan as it stood originally, as failure to provide for new street improvements immediately meant the suspension of dwelling construction in this city until such time as a new loan could be passed and negotiated, for the supply of available building land where street improvements are in is frowning less and less with every new house built, and when all should have been used up no more building of houses would be possible.

Available lots amounted to about 3,200 to 3,500 at the beginning of this year, and at the rate dwelling construction has been going on within the last month these would have been exhausted within another month or so. Then the builders say construction would be forced to stop, be-

cause while it would be possible, perhaps, to build facing on streets in which there are no improvements, it would be neither practicable nor profitable, because the houses could neither be occupied nor sold. The health authorities would not permit occupancy of a house where there is no drainage, and for this reason there would be no buyers. Therefore, no one would be willing to take a chance of drainage and water being put in before carrying charges ate up all prospective profits and more.

It is probable now, however, that a beginning at least will be made in the construction of sewers and the laying of water mains sufficient to enable the builders to carry on to a limited degree and to tide themselves over until conditions become normal.

It is urged by the builders that the construction of sewers and the laying of water mains considerably in advance of immediate house construction needs should be made a permanent municipal policy for the future.

## BUILDING COMMANDS!

The Pressure of Demands is Growing Stronger and will Prevail

By Allen E. Beals

If you will place your eye to the country's periscope you will glimpse the immediate future of building. We are in a trench of uncertainty. The knoll, behind which we are still crouching, is the rising cost barrier. No-man's land is the shortage in the national supply of building materials. The barbed wire entanglements are labor troubles and the low hanging cloud above is the slow money market. But the glowing sky at the horizon is the country-wide need for new buildings. It is the sign of promise.

Scientists tell us that the unseen sun far beneath the curve of the earth sends its rays upon atmospheric atoms which, reflecting them, project the rays in a glow upon the earth. This we call sunrise. It is the symbol of the nation's construction future. The demand is rising, like the sun.

While there is turmoil over labor, costs and scarcity of materials and money, there is a mighty power developing that no effort of man can successfully combat. That power is Demand. All the forces of financial manipulation is not sufficient in this country to balk the might of a universal cry for adequate shelter. It is the glow in the eastern sky.

Building construction has its boom when it is more profitable to build than to put the money into stocks and bonds.

Just at the present time quicker and bigger profits are being taken out of stocks and bonds.

In the greater cities realty investors freely admit that with building costs high they have sought to increase their building funds by making rail, industrial and mining investments. Many lambs have, incidentally, been led to the slaughter and there will be no construction from their funds, that is, upon the site originally intended. Great insurance companies, whose attitude on building loans influences the opinions of lending officers of savings banks throughout the country, have taken heavy engagements of Government bonds. Many others who have had money saved for the purpose of building prior to or during the war, have thought best to put this money into business expansion, hoping, by larger earnings from these sources, to hold out for a more favorable time for building. But they are discovering that there is no time like the present.

In every instance the trend now is to provide for building construction upon the original, or even larger plan. The man who planned a \$10,000 home and finds that his \$10,000 will now buy only a \$6,000 house, is not proceeding with the \$6,000. He is trying to add not \$4,000, but \$5,000, to his original fund

(Continued on page 431)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Distributing Building**, Roosevelt Boulevard, Whitaker, Summerdale and Wakeling streets, Frankford. Architect, private plans. Owners, Sears, Roebuck & Co., Chicago, Ill. Brick, steel and concrete, size of lot 37 acres. Plans in progress. Too early for details.

**Bank Building**, Northwest Corner Fourth and Lombard streets, Philadelphia. Architect, J. Horace Frank, Real Estate Trust Building, Philadelphia. Owner, M. L. Blitzenstein, Northeast Corner Fourth and Lombard streets, Philadelphia. Indiana limestone, brick and marble, stone foundations, slag roof, 1 story and mezzanine, 27x45 feet, yellow pine and terrazzo floors, hot water heat, electric light, marble and terrazzo work, mill sash and frames, bank fixtures, metal lath, reinforced concrete vault. Architect taking bids due July 17th. H. E. Batton, 1713 Sansom street; F. B. Davis, 240 North Sixteenth street; E. E. Hollenback, Inc., 1804 Brandywine street; F. A. Havens Co., 845 North Nineteenth street; Wm. C. Doll Co., 201 North Broad street; William R. Dougherty, 1610 Sansom street; A. R. Raff Cont. Co., 1635 Thompson street; B. Bornstein, 1510 North Franklin street; H. G. Campion, Otis Building; Lam Building Co., 1001 Wood street, and Jacob Myers & Sons Co., Witherspoon Building, figuring.

**Sales and Service Building**, 1425 North Broad street, Philadelphia. Architect, LeRoy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, Hartford Realty Co., 859 North Broad street, Philadelphia. Stone and frame, 1 and 2 stories, 30x160 feet, slag roof, tile floors, steel work, tile work, hollow metal skylights. Architect will be ready for bids in a week.

**Store (alts.)**, 1226 Point Breeze avenue, Philadelphia. Architect, Robert W. Pollock and Harry R. Rust, 1802 Chestnut street. Owner, Lawrence & Son, on premises. New front, marble work, plate glass, electric work, marble mosaic work, parquet floor, flush bulks. Architects taking approximate bid from F. W. Van Loon, Denekla Building.

**Residence**, Northwest Corner Park avenue and Eighth street, Oak Lane. Architect, Frank V. Nickels, 4400 Manayunk avenue. Owner, J. Goldman, Oak Lane, Philadelphia. Brick, 2½ stories, 26x45 feet, slate roof, hardwood floors, stone foundations, hot water heat, electric light, tile work. Architect will take bids in one week.

**Store and Apartment Building**, Thirty-fourth and Spruce streets, Philadelphia. Architect, Arnold Mueller, 1727 Bristol street, Philadelphia. Owner, name withheld. Brick, 3 stories, 20x78 feet, slag roof, pine floors, stone foundations, hot water heat, electric light, tile work. Architect taking bids due July 19th. Standard Const. Co., 1723 Sansom street, is figuring.

**Dwellings (64)**, Van Dyke street, from Magee to Hillerman streets, Philadelphia,

\$156,800. Architect, private plans. Owner, James S. Larzelere, 1132 Land Title Building, Philadelphia. Brick, 2 stories, 16x30 feet, slag roof, electric light. Owner will build.

**Dwelling (alt.) to Rooming House**, 5122 Germantown avenue, \$2,500. Architect, private plans. Owner, Fletcher, McNally, Boas Co., 5132 Germantown avenue, Philadelphia. General interior alterations. Owners will build.

**Residence**, Borbeck and Barnes streets, Fox Chase, Philadelphia. Architect, Christian H. Fries, 8129 Pine road, Fox Chase, Philadelphia. Owner, James H. Craig, 8104 D street, Fox Chase, Philadelphia. Stone and brick, 2½ stories, 35x46 feet, shingle roof, oak floors, stone foundations, hot water heat, electric lighting, tile work. Architect has received bids.

**Factory**, Unity and Oakland streets, Frankford, Philadelphia. Architect, M. Ward Easby, Crozer Building, Philadelphia (Cons. Engr.). Owners, Vigogne Mills, care of engineer. Brick, 3 stories, 63x240 feet, slag roof, maple floors, stone and concrete foundations, steam heat, electric light, (1) electric elevator, rolled steel skylights, mill work, (2) brick fire towers. Architect will take sub-bids.

**Mill Building**, Butler and Jasper streets, Philadelphia. Architect, M. Ward Easby, Crozer Building, Philadelphia. Owner, Windsor Mfg. Co., 4060 Orchard street, Frankford, Philadelphia. Brick (slow burning), 3 stories, 63x240 feet, slag roof, maple floors, stone and concrete foundations, steam heat, electric light, (1) elevator, rolled steel skylights, mill work, (2) fire towers (brick), (1) stair tower. Architect will take sub-bids.

**Garage**, Stenton, Philadelphia. Architects, Druckenmiller & Williams, 1527 Chestnut street, Philadelphia. Owner, Frank E. Harris, 242 East Walnut lane, Germantown. Brick, 1½ stories, 19x24 feet, hot water heat, electric light, tile roof, cement floor. Architects have received bids.

**Residences (8)**, Mt. Airy, Philadelphia. Architect, George S. Idell, 1705 Chestnut street. Owner, name withheld. Stone, 2½ stories, 28x34 feet, slate roof, oak floors, stone foundations, hot water heat, electric light, tile work. Ready for bids in a few days.

**Residence**, Fifty-third and Wynnefield avenue, Philadelphia. Architect, Frank Seeburger, 1524 Chestnut street, Philadelphia. Owner, Dr. Percy DeLong, 1909 Chestnut street, Philadelphia. Stone, 2½ stories, 20x45 feet, wing 15x16 feet, shingle roof, oak floors, stone foundations, electric light, tile work (heating and plumbing reserved). Architect taking bids due July 17th. Wills-Ludwick Co., 1708 Sansom street; J. E. Kearney, 34 South Seventeenth street; Milton W. Young, Overbrook, Pa., and Charles C. Pace, Merion, Pa., are figuring.

**Store (alts.)**, 1430 South street, Philadelphia. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, Venturi Bros., on premises. Changing partitions and general interior alterations. Will take bids in about one week.

**Garage**, Stenton, Philadelphia. Architects, Druckenmiller & Williams, 1527 Chestnut street, Philadelphia. Owner, William Thompson, care of architect. Stone, 1½ stories, 19x24 feet, slate roof, cement and pine floors, hot water heat, electric lighting. Architects have received bids.

**Building (alts. and add.)**, Fifty-third and Market streets, Philadelphia. Architect, H. B. Weldon, Fuller Building, Philadelphia. Owner, L. F. Calby, on premises. Brick, 3 stories, 17x21 feet, slag roof, yellow pine floors, metal lath, tile and marble work, electric lighting, stone foundations (heat reserved). Owner and architect have received bids.

**Garage (add.)**, 5113-17 Frankford avenue, Philadelphia, \$8,000. Architect, private plans. Owner, George McDonald, on premises. Brick, 1 story, 58x77 feet, electric light, cement floors. Owner will build.

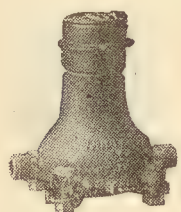
**Bank (alt. and add.)**, Third and Arch streets, Philadelphia. Architect, J. T. Brugger, 5610 North Mascher street, Philadelphia. Owner, Union National Bank, care of J. S. McCulloch, president, on premises. Brownstone and brick, 3 stories, 15x40 feet, 18x16 feet, slag roof, stone foundations, electric light, tile and marble work, new vault, air cooling system. Architect will take sub-bids.

**Residences (2)**, Roxboro, Philadelphia. Architect, E. H. Yardley, 1713 Sansom street, Philadelphia. Owner, name withheld. Hollow tile, plaster and frame, stone foundations, slate roof, hot water heat, electric light. Plans in progress.

**Bank (alts.)**, 431 Chestnut street, Philadelphia. Architect, Adin B. Lacey, 1012 Walnut street, Philadelphia. Owner, Tradesmen's National Bank, on premises. Alterations to main entrance and screen, brick work, limestone, marble work, granite work, carpentry, mill work, plastering, metal lath, iron work, hardware, glazing. Architect has received bids.

**Church (alts.)**, Twentieth and Spring Garden streets, Philadelphia. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owner, Spring Garden Methodist Episcopal Church, on premises. Interior alterations. Architect taking bids due July 21st. Ketcham & McQuade, 1029 Brown street; J. P. Thompson, Real Estate Trust Building; Samuel J. Rea & Son, 1741 Fairmount avenue, are figuring.

**Bank Building (alts.)**, Point Breeze avenue and Wharton streets. Architect, Robert W. Pollock and Harry R. Rust, 1802 Chestnut street. Owner, Roosevelt Bank, Point Breeze avenue and Wharton street. General interior and exterior alterations, marble and bronze



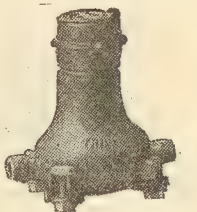
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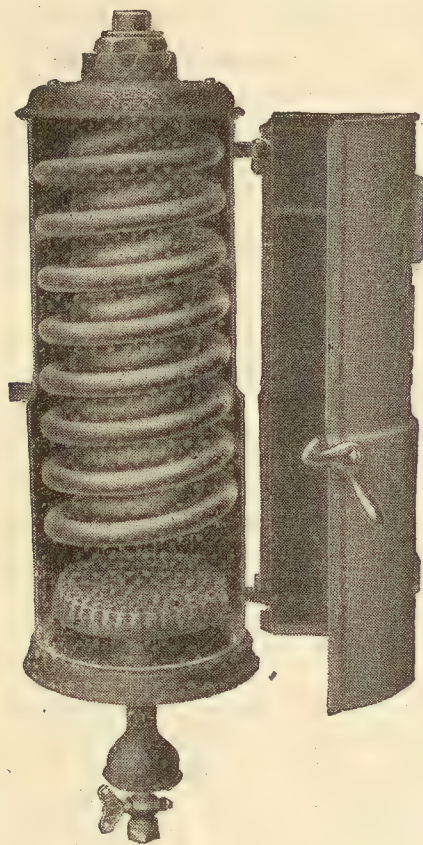
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work, electric fixtures, tile work, concrete vault, bank fixtures. Architects taking bids due July 19th at noon. J. H. Seeser, 1011 Liberty Building; F. W. Van Loon, Denckla Building; Albert Zellfelder, 151 South Broad street, and F. E. Wallace, 1220 Chancellor street, are figuring.

**Dwellings (31)**, Ninth and Lindley avenue, and Ninth and Ruscomb streets, Philadelphia, \$136,000. Architect, private plans. Owner, W. E. Rees, Ninth and Lindley avenue, Philadelphia. Brick, 2 stories, 16x46 feet and 16x33 feet 8 inches, 13x12 feet 4 inches, slag roof, hot water heating. Owner will build.

**Residence (alts. and add.)**, 1215 Spruce street, Philadelphia. Architect, Arthur H. Brockie, 1713 Sansom street, Philadelphia. Owner, Edward C. Dale, 1215 Spruce street, Philadelphia. Brick, 3 stories, add. 7x14 feet, slag roof, oak floors, heating repairs, electric lighting, painting and glazing. Architect has received bids.

**Garage**, 4377 Manayunk avenue, Philadelphia. Architect, Frank V. Nickels, 4400 Manayunk avenue. Owner, John Regetta, on premises. Brick, 1 story, 28x32 feet, slag roof, cement floors, stone foundations, steam heat, electric light. Architect has received bids.

**Elevated Stations (4)**, York street, Dauphin street and Girard avenue. Conds. Nos. 553, 554, 555 and 563, Frankford Elevated, Philadelphia. Architect, private plans. Owners, City of Philadelphia, Department of City Transit, Mershon Building. Bids received: James Connor, 1317 Arch street, 553, \$48,700; 554, \$45,700; I. K. Davis, Woodstock and Church streets, 553, \$50,500; 554, \$44,400; 555, \$93,900; 563, \$5,000; Standard Const. Co., 1713 Sansom street, 553, \$51,250; 554, \$44,250;



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555, \$94,700; 563, \$5,950.

**Motion Picture Theatre**, 1534-36 South street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, A. Wax, 1534 South street, Philadelphia. Brick and terra cotta, steel, 1 story, 80x120 feet, asbestos and asphalt roof, cement floors, metal lath, roof ventilators, damp-proofing, stone foundations, tile and marble work, hollow metal skylights, kalamein doors, dampproofing, iron work (lighting fixtures, plumbing, heating, electric work, ventilating system, seats, picture screen reserved). Architect taking bids due July 21st at noon. William R. Dougherty, 1610 Sansom street; Ketcham & McQuade, 1029 Brown street; E. E. Hollenback, Inc., 1804 Brandywine street; Smith-Hardican Co., 106 Cherry street, and J. Sims Wilson Co., 1125 Brown street, are figuring.

**Residence (add.) and Garage**, 6446 Sherwood road, Philadelphia. Architects, De Armond, Ashmead and Bickley, Franklin Trust Building, Philadelphia. Owner, William T. Galey, Jr., on premises. Brick and plaster, 2 stories, 15x18 feet, and 1½ stories, 21x26 feet, tile roof, oak and cement floors, steam heat, electric light, stone foundations, tile and marble work, plumbing, gasoline storage system. Plans in progress.

**Office Building**, 5426-36 Wyalusing avenue, Philadelphia, \$15,000. Architect, private plans. Owner, George Brooks & Son Co., on premises. Brick, 3 stories, 65 feet 2 inches x 53 feet 10 inches. Owner will build.

**Dwellings (14)**, Wingohocking street, Twelfth to Thirteenth streets, Philadelphia, \$70,000. Architect, private plans. Owner, B. Bornstein, 1913 Wingohocking street, Philadelphia. Brick, 3 stories, 19x25 feet, 10x33 feet, slag roof, hot water heat. Owner will build.

**Store and Dwelling (2 family)**, Southeast Corner Second and Green streets, \$9,000. Architect, private plans. Owner, B. Abramovitz, 715 Snyder avenue, Philadelphia. Brick, 3 stories, 28x30 feet, 17 feet, 17x30 feet, slag roof, hot water heat. Owner will build.

**Dwelling (add. and alt.) to Office and Storage**, 1733 North Fifth street, \$3,000. Architect, private plans. Owner, Bakers' Merchandise Co., 1732 Germantown avenue, Philadelphia. Brick, third floor add., 16x20 feet. General alterations. Owner will build.

**Dwellings (28)**, Hutchinson and Loudon streets, Philadelphia, \$113,000. Architect, private plans. Owner, Daniel Crawford, Jr., 701 North Sixty-third street, Philadelphia. Brick, 2 stories, 15x30 feet 3 inches, 12x8 feet 9 inches and 15x39 feet, hot water heat. Owner will build.

**Dwellings (8)**, North side Drinker street, East of Wayne avenue, \$72,000. Architect, private plans. Owner, John H. McClatchey, 848 Land Title Building, Philadelphia. Stone, 2½ stories, 16 feet 4 inches x 48 feet, slate roof, hot water heat, electric light, oak floors. Owner will build.

**Dwellings (30)**, West of Pulaski avenue, Philadelphia, \$139,000. Architect, private plans. Owner, Robert Killough, Wayne and Duval streets, Philadelphia. Brick, 2 stories, 16x29 feet, 12x9 feet 5 inches, hot water heat. Owner will build.

**Residence**, Germantown, Philadelphia. Architects, Duhring & Ziegler, Bailey Building, Philadelphia. Owner, William E. Chapman, Kitchen's Lane, Germantown, Philadelphia. Architect taking bids due July 28th at noon. W. John Stevens, Inc., Wyncote, Pa.; A. L. Fretz & Son, Heed Building; R. C. Ballinger & Co., 218 North Thirteenth street; Wolverton & Co., 204 East Willow Grove avenue;



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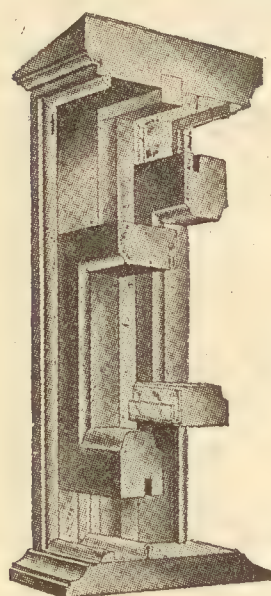
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E. Allen Reeves, Abington, Pa.; William J. Gruhler, 219 High street, and F. B. Davis, 240 North Sixteenth street, are figuring.

Dwellings (37), (18) Sixty-first and Ellsworth streets, (16) Sixtieth street, Latimer to Wharton, and (3) Sixtieth and Latona streets, Sixtieth and Wharton and Sixtieth and Latimer streets, Philadelphia, \$251,000. Architect, private plans. Owner, William C. Scull, 5600 Willows avenue, Philadelphia. Brick, 2 stories, 16 feet 4 inches x 54 feet and 15x38 feet, 12 feet 10 inches x 13 feet 9 inches, slag roof, hot water heat. Owner will build.

Dwellings (11), 541-561 Fishers avenue, Philadelphia, \$49,800. Architect, private plans. Owner, William H. Ashton, 5600 Mascher street, Philadelphia. Brick, 2 stories, 16x44 feet and 15x30 feet, 12x14 feet, hot water heat. Owner will build.

Bakery and Stable, Fifty-fifth and Thomas avenue, Philadelphia. Architect, C. D. Cooley, 41 Park Row, New York City. Owners, Mayer Baking Co., Fiftieth and Naudain streets, Philadelphia. Brick and steel, 2 stories, 129x123 feet and 48x53 feet, Barrett roof, cement, pine and maple floors, hollow tile, elevators, stone foundations, steam heating, electric light, fire doors, iron work. Owners, care of Harrison C. Rea, 147 North Tenth street, are taking bids. Warren-Moore Co., Colonial Trust Building, Philadelphia, figuring.

Residence, Oak Lane, Philadelphia. Architect, private plans. Owner, Andrew MacAllister, 1810 Fairmount avenue, Philadelphia. Stone, 2½ stories, 20x40 feet, shingle roof, oak floors, stone foundations, hot water heat, electric light, tile work, iron work. Owner taking bids due July 19th. H. H. Wehmeyer, 509 West Cumberland street, is figuring.

Display Window (alts.), 1228 Market street, Philadelphia. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owner, Harper Shoe Co., 1228 Market street, Philadelphia. Marble and tile work, carpentry, plastering, metal lath, hollow metal doors, hardware, glazing, painting, iron work, plumbing (alts. to heating, electric wiring and fixtures reserved). Architect taking bids due July 17th. H. E. Baton, 1713 Sansom street, F. A. Havens & Co., 845 North Nineteenth street; Wm. R. Graham, 3649 Filbert street, are figuring.

Store Building, Fifty-fifth and Angora

streets, Philadelphia. Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, William J. O'Brien, 1133 Walnut street, Philadelphia. Brick, 1 story, 18½x40 feet, slag roof, parquetry and pine floors, electric light, marble work (heating reserved). Architect taking bids due July 16th. Thomas C. Trafford, 1613 Sansom street; Hogg Const. Co., Denckla Building, and E. J. Kreitzburg, 1345 Arch street, are figuring.

Store and Residence (alts. and add.), 3516 Germantown avenue. Architect, William H. Wooters, 816 West Allegheny avenue, Philadelphia. Owner, M. Lehrfeld, on premises. Brick, first and third story add., 14x26 feet and 14x28 feet, tin and slate roof, cement and pine floors, steel work, hot water heat, electric light, new bulk. Owner is ready for bids.

Factory Building (alts.), 406 Race street, Philadelphia. Architect, H. B. Weldon, 10 South Eighteenth street, Philadelphia. Owner, Tutelman Bros., care of architect. New sprinkler system, elevator enclosures, brick fire towers. Architect will be ready for bids in a few days.

Residence, Kitchens Lane and Wissahickon avenue, Philadelphia. Architect, C. A. Ziegler, Bailey Building, Philadelphia. Owner, Wm. E. Chapman, Germantown. Stone, 2½ stories, 31x62 feet, shingle roof, oak floors, stone foundations, hot water heating, electric lighting, tile work, metal lath, iron work. Architect taking bids, due July 28th.

Factory (add.), northwest corner of Howard and Master streets, Philadelphia. Architect, private plans. Owners, Wright Manufacturing Co., 135 Master street, Philadelphia. Brick and concrete, 2 stories, 36x54 feet, 1 story, 40x88 feet, slag roof, concrete and pine floors, stone foundation, steam heat, electric lighting, rolled steel sash, hollow metal skylights, fire doors, mill work. Owners taking bids, due as soon as possible. Raith Const. Co., 304 Master street; Wm. Steele & Sons Co., Sixteenth and Parkway, and Henry C. Dahl, 231 South Eighth street, are figuring.

Post Office, Frankford Sub-Station, Frankford, Philadelphia. Architects, Stearns & Woodnutt, Stephen Girard Building, Philadelphia. Owners, Slavin, Quinn & Shoemaker, care of architects. Brick and steel, 2 stories, 55x100 feet, slag and slate roof, pine (yellow

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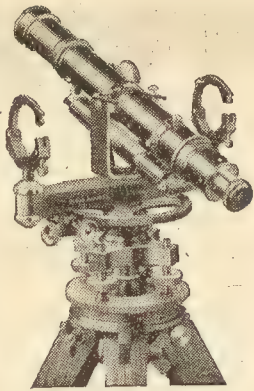
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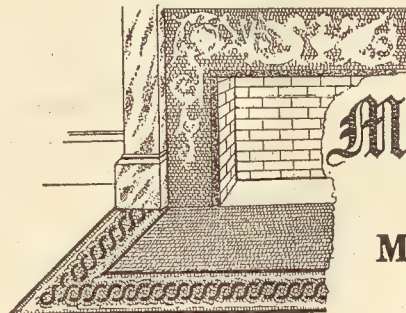
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## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

and Virginia), hollow tile, metal lath, damp-proofing, iron work, tile work, stone foundations (electric light and heating reserved). Architects taking bids, due July 18th at noon. John M. Yardley, 1716 Sansom street; H. E. Baton, 1713 Sansom street; Wm. R. Dougherty, 1610 Sansom street; J. Sims Wilson Co., 1125 Brown street; A. R. Raff Cont. Co., 1635 Thompson street; Stewart Bros., 2526 North Orkney street, and Barclay White & Co., 1713 Sansom street, are figuring.

**Dwellings (4)**, Roosevelt Boulevard, north of Fillmore street, Philadelphia, \$40,000. Architect, private plans. Owner, M. J. Best, 3215 H street, Philadelphia. Brick, 2 and 3 stories, 16x20 feet, 16x38 feet, hot water heat. Owner will build.

**Stores and Dwellings (4) (alts. and add.)**, 6218-30-32-34 Woodland avenue. Architect, private plans. Owner, M. Kirschner, 421 Snyder avenue, Philadelphia. Brick, 2 stories, 15x18 feet and 16x18 feet, 3x12 feet. Owner will build.

**Store (alts.)**, 1306 Arch street, Philadelphia. Architects, Fieldstein & Schaef, Penfield Building, Philadelphia. Owner, B. B. Todd, on premises. Brick, 3 stories, hollow metal sash and skylights, brick work, carpentry, plastering. Architects taking bids, due as soon as possible. Potts Bros. & Cooper, 129 North Eleventh street; Smith-Hardican Co., 1606 Cherry street; E. E. Hollenback, Inc., 1804 Brandywine street, and Henry C. Dahl, 231 South Eighth street, are figuring.

**Apartment House**, location withheld. Architects, Fieldstein & Schaef, Penfield Building, Philadelphia. Owner's name withheld. Brick and limestone, 6 stories, 40x110 feet, slag roof, oak floors, steam heat, electric light, tile and marble work. Ready for bids in 2 weeks.

**Penn Treaty Recreation Pier**, No. 37, North Wharves, Philadelphia. Architect, private plans. Owner, City of Philadelphia, Department of Wharves, Docks and Ferries. Timber and steel, 1 story, 50x250 feet, asphalt shingle roof, cement floors, wood pile foundations. Contract awarded to Simpson & Brown, 90 West street, New York City.

**Elevated Stations (4)**, (1) York street, (1) Dauphin street, and (2) Girard avenue, Frankford Elevated, Philadelphia. Architect, private plans. Owner, City of Philadelphia, Department of Public Safety, Marshon Building. Brick, steel and concrete. Contract awarded to: 553, James Connor, 1317 Arch street, \$48,700; 554, Standard Const. Co., 1713 Sansom street, \$44,250.

**Elevated Enclosures**, Orthodox, Margaret and Ruane and Church streets, Frankford Elevated, Philadelphia. Steel and glass enclosures. Contract awarded to I. K. Davis, Woodstock and Church streets, Philadelphia, \$5,500.

**Garage**, 5222-24 Broomall street, Philadelphia, \$6,500. Architect, private plans. Owner, M. C. Haller, Fifty-third and Baltimore avenue, Philadelphia. Brick, 1 story, 50x100 feet, slag roof, electric light, cement floor. Contract awarded to West Phila. Cont. Co., 23 South Fifty-second street.

**Dwelling (alt.) to Office and Dwelling**, 5943 Chestnut street, \$3,000. Architect, private plans. Owner, W. Edwin Blair, 207 South Sixtieth street, Philadelphia. Brick, 2 stories, 16x10 feet, 10x3 feet, electric light. Contract awarded to James H. Porter, 207 South Sixtieth street, Philadelphia.

**Garage and Apartments (alts.)**, 1414 North Fifteenth street, \$6,500. Architect, Frank A. Hahn, 1112 Chestnut street, Philadelphia. Owner, Dr. J. L. Manasses, 1534 North Fifteenth street, Philadelphia. Brick, 1 and 2 stories, 17x44 feet, composition roof, oak floors, electric light, tile work, stone foundations. Contract awarded to A. Seidman, 1312 North Sixth street, Philadelphia.

**School**, Jasper and Sargent streets, Philadelphia. Architect, private plans. Owner, Board of Education, Nineteenth above Chestnut streets, Philadelphia. General alterations. Contract awarded to Bowden Const. Co., 1713 Sansom street, Philadelphia.

**School**, Potter and Clearfield streets, Philadelphia, \$16,475. Architect, private plans. Owner, Board of Education, Nineteenth street above Chestnut street, Philadelphia. General alterations. Contract awarded to E. C. Durell, 1713 North Twenty-fourth street, Philadelphia.

**Club House (alts.)**, 3946 Walnut street, Philadelphia. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Philomusian Club, 3944 Walnut street, Philadelphia. General interior alterations, brick, stone and plaster, 3 stories, 20x30 feet, shingle tile roof, oak floors, stone foundations (heating, tile work and electric work reserved), metal lath, iron work. Contract awarded to Wills-Ludwick Co., 1708 Sansom street, Philadelphia.

**Diet Kitchens, Utility Rooms and Bath Rooms (alts.)**, York and Tabor. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Jewish Hospital, on premises. General interior alterations. Con-



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tract awarded to F. A. Havens Co., 845 North Nineteenth street, Philadelphia.

**Mill and Storage Building**, Fifty-sixth and Lancaster avenue, Philadelphia, \$35,000. Architect, private plans. Owner, Overbrook Carpet Co., on premises. Fire damage. Contract awarded to William Eddleman Sons, 453 Green Lane.

**Main Building (add.) and Administration Building**, Germantown avenue, above Cheltenham avenue, \$75,000. Architect, Lawrence Visscher Boyd, Harrison Building, Philadelphia. Owner, Y. M. C. A., on premises. Brick and terra cotta, 3 stories, 60x12x32 feet, and fourth story add. to present building, 60x160 feet, (cafeteria) slag and tile roof, tile and oak floors, stone foundations, steam heat, electric light, tile and marble work, hollow metal skylights, fire doors, electric passenger elevator and dumb waiter. Contract awarded to Doyle & Co., 1519 Sansom street, Philadelphia.

**Dwellings (7)**, Fifty-second and Woodbine avenue, Philadelphia, \$66,500. Architect, private plans. Owner, Martin Stotz, Land Title Building, Philadelphia. Brick, 3 stories, 32 feet 10 inches x 27 feet 4 inches, slate roof, hot water heat. Contract awarded to W. Percival Johnson, 4039 Lancaster avenue.

**Dwelling**, Thirteenth street, North of Cheltenham avenue, Philadelphia, \$7,000. Architect, private plans. Owner, L. Summers, 6432 North Thirteenth street, Philadelphia. Stone, 3 stories, 18x47 feet 9 inches, hot water heat. Con-

tract awarded to F. A. Havens & Co., 845 North Nineteenth street, Philadelphia.

**Synagogue**, Larchwood and Salford streets, Philadelphia, \$30,000. Architect, J. E. Fieldstein, Penfield Building, Philadelphia. Owner, Cong. of Chevreh Lenas Hazedeck, Abram Wernick, chairman of Building Committee, Bailey Building, Philadelphia. Brick and stone, 1 story, 65x80 feet, stone foundations, slag roof, composition and cement floors, steam heat, electric light, metal lath, artificial stone. Contract awarded to Joseph Bobb, 519 South Sixtieth street.

**School (alts.)**, Twenty-first and Moore streets, Philadelphia, \$17,000. Architect, private plans. Owners, Board of Education, Nineteenth above Chestnut street. General alterations and additions. Contract awarded to Mitchell Bros., 2125 Race street, Philadelphia.

**Dwellings (4)**, Harrison and Duffield streets, Philadelphia, \$28,500. Architect, private plans. Owner, George Wardle, 4908 Duffield street, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, hot water heat. Contract awarded to Rush Bros., 1100 Fillmore street, Philadelphia.

**Dwellings (2)**, East side Rising Sun avenue, North of Geneva avenue, Philadelphia. Architect, private plans. Owner, Willis N. Parker, Olney, Pa. Brick, 2 stories, 22x33 feet 9 inches, slag roof, hot water heating. Contract awarded to the Arthur V. Turner Co., Oak Lane, Philadelphia.

**Dwellings**, Northeast corner Wakeling and Oakland streets, Philadelphia. Architect, private plans. Owner, Dr. Stuart, 4602 Frankford avenue, Philadelphia. Brick, 2 stories, 17½x57 feet, slag roof, hot air heat. Contract awarded to Rush Bros., 1100 Fillmore street, Philadelphia.

**Building (alts. and add.)**, 223 North Twenty-first street, Philadelphia, \$18,000. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owner, County Commissioners, 130 City Hall, Philadelphia. General interior alterations and add., plumbing, heating, ventilators and electric work. Contract awarded to Mitchell Bros., 2125 Race street, Philadelphia.

**Church**, Southeast Corner Thirty-eighth and Ludlow streets, Philadelphia, \$15,000. Architect, private plans. Owner, Church of Our Saviour, Thirty-eighth and Ludlow streets, Philadelphia. General alterations. Contract awarded to John R. Wiggins Co., Otis Building, Philadelphia.

**Dwellings (2) (alt.)**, 218-220 Ritner street, Philadelphia, \$4,000. Architect, private plans. Owner, Dr. Schwartz, 202 Ritner street, Philadelphia. General alterations. Contract awarded to J. Ostroff, 310 Porter street, Philadelphia.

**Store (alt. and add.)**, 5600-02 Germantown avenue, Philadelphia, \$40,000. Architect, private plans. Owner, Henry W. Pletcher, 5600 Germantown avenue, Philadelphia. Brick, 3 stories, 60x36 feet, stone foundations, slag roof, mill construction floors, steam heat, electric light, metal lath, elevators, rolled

steel skylights, iron work. Contract awarded to William Steele & Sons, Sixteenth and Parkway.

**Garage**, Allegheny avenue and American street, Philadelphia, \$25,000. Architect, private plans. Owner, Elmer Miller, 2737 North Front street, Philadelphia. Brick, 1 story, 80x238 feet, trussed steel roof, cement floors. Contract awarded to A. Earl Barnes & Co., Twentieth and Pacific streets.

**Garage**, 521-31 North Orianna street, Philadelphia. Architect, Carl P. Berger, 1416 South Penn Square, Philadelphia. Owner, Northern Liberties Co., Land Title Building. Brick, 1 story, 70x100 feet, asphalt roof, cement floors, stone foundation, steam heat, electric lighting, iron work. Contract awarded to Hogg Const. Co., Denekla Building, Philadelphia.

**Building (alts.)**, No. 2, Girard College, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owner, Girard College Trustees, Stephen Girard Building, Philadelphia. Stone, brick, steel, 3 stories, tile and pine floors, hot water heat, electric light, tile and marble work, metal lath. Contract awarded to F. W. Van Loon, Denekla Building, Philadelphia.

**Garage**, 2805-07-09 East Cambria street, Philadelphia, \$6,000. Architect, private plans. Owner, John T. Daley, on premises. Brick, 1 story, 50x60 feet, slag roof, cement floors, mill work, stone foundations (heating and lighting reserved), fire door, plumbing. Contract awarded to Wm. F. Koelle & Co., Twenty-sixth and Oxford streets.

**Shop (alts. and add.)**, Arch and Allison streets, Philadelphia. Architects, Mellor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owner, Samuel Yellins, Arch and Allison streets, Philadelphia. Brick, 2 stories, 44x15 feet, stone foundations, slag roof, cement and yellow pine floors. Contract awarded to H. H. Burrell, 206 South Quince street, who is taking sub-bids, due July 16th.

**Dwelling, Auto Show Room and Ship**, Fifty-eighth and Walnut streets, \$26,000. Architect, private plans. Owner, John H. Derr, Sixty-third and Market streets, Philadelphia. Brick, 2 stories, 16½x53 feet, and 2 stories, 52x80 feet, slag roof, oak and cement floors, steam heat, electric light. Contract awarded to John P. Fallon, 449 South Sixtieth street, Philadelphia.

**Scrap Storage Building and 2 Doors for Buildings Nos. 4 and 10**, Sepe. 3986, Navy Yard, Philadelphia. Architect, private plans. Owners, U. S. Government, Department of Public Works, Navy Department, Philadelphia. Frame, 40x75 feet, felt roof, repairing concrete pavement, reconstruction of existing track, substituting steel for wooden doors, iron work. Contract awarded to M. H. McCloskey, Jr., Inc., 1620 Thompson street.

**Garage**, south side of Market street, east of Forty-ninth street, Philadelphia. Architect, LeRoy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, care of Carl Wolf Miller, agent, Morris Building, Philadelphia. Brick, 1 story, 50x215 feet, stone foundations, steam heat, slag roof, electric light, plumbing,

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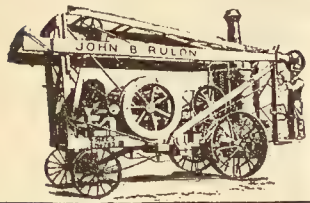
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cement floors, mill work, skylights. Contract awarded to J. H. Feeser, 1011 Liberty Building, Philadelphia.

**Bank (alts.),** northeast corner of Passyunk avenue and Broad street, Philadelphia, \$4,000. Architect, private plans. Owners, American Bank, on premises. General alterations, carpentry and mill work. Contract awarded to H. D. Pretty man, 2603 South Broad street, Philadelphia.

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**Dwellings (2),** Dupont street, west of Lawn-ton avenue, \$6,400. Architect, private plans. Owner, Joseph W. Hyde, 357 Lyceum avenue, Philadelphia. Brick, 2 stories, 14½x28 feet, 10 feet 9 inchesx10 feet. Contract awarded to James Stewart, 4552 Manayunk avenue.

foundations (heat and light reserved), iron work. Architects taking bids due July 16th at noon. H. H. Burrell, 206 South Quince street; Stokes Bros., 6723 Musgrave street; W. John Stevens, Inc., Wyncote, Pa.; E. Allen Reeves, Abington, Pa., and John E. Hauser, Glenside, Pa., are figuring.

**Store (alt. and add.),** Wyoming avenue, Scranton, Pa. Architect, D. A. Morgan, Connell Building, Scranton, Pa. Owner, Lemo & Evans, on premises. New basement and interior work. Plans in progress.

**Residence (alt. and add.),** Jefferson and Greenedge streets, Scranton, Pa. Architect, D. A. Morgan, Connell Building, Scranton, Pa. Owner, George E. Brooks, on premises. Interior alterations, painting, plastering, hardwood floors. Plans in progress.

**Store Building (alts.),** Lackawanna and Washington streets, Scranton, Pa. Architect, L. Reisman, Miller Building, Scranton, Pa. Owner, New Wall Paper Co., 512 Lackawanna avenue, Scranton, Pa. Fire repairs. Preliminary plans in progress.

**Church,** Hudson, Pa. Architect, George Schroder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, name withheld. Frame, 1½ stories, 48x100 feet, stone foundations, asbestos roof, pine floors, electric light. Plans in progress.

**School (add.),** Scranton, Pa., \$300,000. Architect, private plans. Owner, International Textbook Co., Scranton, Pa. Brick. Preliminary plans in progress.

**Garage,** rear of South Franklin street, Wilkes-Barre, Pa. Architect, S. R. Herr, Simon Long Building, Wilkes-Barre, Pa. Owner, I. S. Long, South Franklin street, Wilkes-Barre, Pa. Brick, 1 story, 30x30 feet, cement floors, hot water heat, electric light. Plans in progress.

**Warehouse (alt. and add.),** Cliff street, Scranton, Pa. Architect, D. A. Morgan, Connell Building, Scranton, Pa. Owner, John Howell, News Building, Scranton, Pa. Interior work. Plans in progress.

**Twin Residence,** Drexel Hill, Pa. Architect, George S. Idell, 1705 Chestnut street, Philadelphia. Owner, name withheld. Frame, 2½ stories, 25x35 feet, shingle roof, pine floors, hot air heat, electric light, stone foundations. Architect will be ready for bids in a few days.

**Residence and Garage,** Harwood Park, Delaware County, Pa. Architect, private plans. Owner, E. G. Kelly, 122 North Fifty-first street, Philadelphia. Frame and stucco, 2½

## PENNSYLVANIA

## Construction News

**Residences (42),** Lancaster and Roberts road, Bryn Mawr, Pa. Architect, private plans. Owner, Frank J. Floyd, Lancaster and Merion avenues, Bryn Mawr, Pa. Brick, 2 stories, 16x45 feet, slag roof, hardwood floors, stone foundations, pipeless heaters, combination light, tile work. Owner is ready for sub-bids.

**Residence (alt.),** Susquehanna Trail, Shamokin Dam, Pa. Architect, W. H. Lee, 32 South Seventeenth street, Philadelphia. Owner, C. S. Whipple, Drake, South Carolina. Brick, 2½ stories, slate and slag roof, oak floors, hot water heating, electric lighting, tile work (porches reserved). Plans in progress.

**Silk Mill,** Shamokin, Pa. Architect, W. H. Lee, 32 South Seventeenth street, Philadelphia. Owner, Hervesco Silk Co., Shamokin, Pa. Brick and reinforced concrete, 2 stories, 56x90 feet, concrete foundations, slag roof, concrete floors, electric light, roof ventilators. Plans completed. Architect will be ready for bids in a few days.

**Warehouse,** Dickson City, Pa. Architect, Lewis Reisman, Miller Building, Scranton, Pa. Owner, Beager Weath, Dickson City, Pa. Frame and stucco, 1 story, 60x80 feet, slag roof, wood floors, electric light. Owner ready for bids.

**High School and Parish House,** Pittston, Pa., \$100,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Rev. J. J. Conner, Pittston, Pa. Brick, fireproof, 3 stories, 42x160 feet, 64x120 feet, concrete foundations, slate and slag roof, wood floors and tile floors, tile and marble work, hollow metal skylights, roof ventilators, electric light. Architect has received bids.

**School,** Lost Creek, Schuylkill County, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Lost Creek School District, on premises. Frame, 2 stories,

40x58 feet, concrete foundations, asbestos roof, wood floors, hot air heat, electric light. Owner ready for bids.

**School,** Kline Township, Schuylkill County, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Kline Township School Board, Kline Township, Pa. Frame, 1 story, 42x34 feet, concrete foundations, asbestos roof, wood floors, hot air heat, electric light. Owner ready for bids.

**Service Station,** Scranton, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Maloney Mfg. Co., 141 Meridian street, Scranton, Pa. Brick and terra cotta, 3 stories, 60x90 feet, concrete foundations, slag roof, hardwood floors, steam heat, electric light, tile and marble work, elevators, wire work. Architect ready for revised bids.

**Schools (5) (alts.),** Swoyerville, Pa. Architect, Ralph Herr, Simon Long Building, Wilkes-Barre, Pa. Owner, Swoyerville School District, Wilkes-Barre, Pa. General interior alterations. Board will take bids in one week.

**Residence,** Kingston, Pa. Architect, George Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, name withheld. Pressed brick and hollow tile, 2 stories, 37x39 feet, stone foundations, tile roof, hardwood floors, vacuum heat, electric light, tile and marble work. Architect ready for bids.

**Residence,** Reading, Pa. Architect, private plans. Owner, A. S. Wingale, Reading, Pa. Hollow tile, 2 stories, 28x30 feet, hardwood floors, electric light, tile work. Owner will build and is taking sub-bids on material.

**Stable,** Elkins Park, Pa. Architects, Bissell & Sinkler, Otis Building, Philadelphia. Owner, Mrs. Wharton Sinkler, Elkins Park, Pa. Plaster, 2 stories, 24x60 feet, shingle roof, cement and pine floors, hollow tile, stone

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stories, 18½x46 feet, garage 18x19 feet, stone foundations, concrete floors and driveway, metal lath, electric light, hot water heat, tile work, oak floors. Owner ready for bids in a few days.

**Grammar School (add.)**, Tenth and Leiper streets, Eddystone, Pa. Architects, Ritter & Shay, North American Building, Philadelphia. Owners, Borough of Eddystone, Eddystone, Pa. Brick and stone, 2 stories, 80x96 feet, composition roof, wood block floors, stone foundations, mechanical system, hollow tile, metal lath, terrazzo work, roof ventilators, waterproofing, dampproofing, iron work. Low bidder: H. Louis Morris, Chester, Pa.

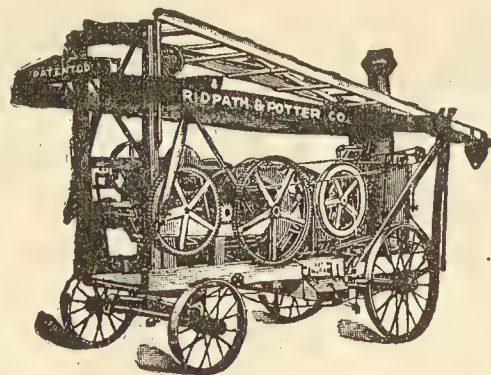
**Tenant Houses (2)**, Delechester Farms, Newtown Square, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, Delechester Farms Co., Newtown Square, Pa. Frame and stucco, 2½ stories, 30x50 feet, shingle roof, stone foundations, hot water heat, electric light. Owners taking bids.

**Waiting Room and Apartments**, Darby, Pa. Architect, Wm. Woodburn Potter, Real Estate Trust Building, Philadelphia. Owners, Darby Terminal R. R. Co., Darby, Pa. Brick and terra cotta, 4 stories, 25x85 feet, slag roof, steam heat, electric light. Plans in progress.

**Academy (alts.)**, Villa Nova, Pa. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Augustinian Fathers, Villa Nova, Pa. Gymnasium, auditorium and swimming pool. Stone, reinforced concrete, 3 stories, 55x82 feet, stone foundations, hardwood and tile floors, electric light, steel lockers. Plans in progress.

**Apartment House**, Narberth, Pa. Architects, D. K. Boyd, V. B. Abel and E. A. Gugert, Otis Building, Philadelphia. Owner, Wm. D. Smedley, Narberth, Pa. Stone, brick and concrete. Plans in progress. Too early for details.

**Residence**, Springfield, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, Linwood J. Carde, Lansdowne, Pa. Frame, 2½ stories, 23x36 feet, shingle roof, pine and oak floors, hot air heat, electric lightng. Architects taking bids, due July 18th. T. C. Trafford, 1613 Sansom street; H. John Homan Co., 34 South Seventeenth street; E. Oscar Lobb, Llanerch, Pa., and W. Harry Roberts, Oakmont, Pa., are figuring.

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**Office Building**, East Stroudsburg, Pa. Architect, Alex. M. Adams, 1012 Walnut street, Philadelphia. Owners, International Boiler Works Co., East Stroudsburg, Pa. Brick veneer, 2 stories, 35x80 feet, slag roof, pine floors, low pressure steam heat, plumbing, tile work. Architect has received bids.

**Residence**, Beechwood Park, Pa. Architect, Richard R. Neely, 1001 Pine street, Philadelphia. Owner, Mrs. King, care of architect. Stone and plaster, 1½ stories and basement, 32x40 feet, shingle roof, pine floors, stone foundations, hot water heat, electric light, waterproofing, iron work. Architect has received bids.

**Residence**, Lansdowne, Pa. Architect, F. J. Caldwell, Stephen Girard Building, Philadelphia. Owner, G. L. Gilbert, Lansdowne, Pa. Plaster, 2½ stories, 36x23 feet, wing 15x8 feet, stone foundations, shingle roof, oak floors, warm air heat, electric light, tile work, iron work. Architect has received bids.

**Hicks Hall**, Swarthmore College, Swarthmore, Pa. Architect, Walter T. Karcher, 34 South Seventeenth street, Philadelphia. Owners, Swarthmore College, Swarthmore, Pa. Stone and brick and terra cotta, 3 stories, 52x124 feet, slag roof, cement floors, stone foundations, steam heat, electric light, metal lath, iron work. Architect taking bids, due July 17th at noon. Wm. Provost, Jr., Chester, Pa.; Warren-Moore Co., Colonial Trust Building; Robert E. Lamb Co., 843 North Nineteenth street; Doyle & Co., 1519 Sansom street; H. E. Grau Co., 1707 Sansom street; Albert Zellfelder, 151 South Broad street; Wm. R. Dougherty, 1610 Sansom street; Wark & Co., 1737 Filbert street; Barclay White & Co., 1713 Sansom street, Philadelphia, are figuring.

**School**, Newport Township, Pa., \$15,000. Architect, Ralph M. Herr, Wilkes-Barre, Pa. Owners, Newport Township School District, Newport Township, Pa. Brick and stone, 1 room, steam heat. Plans in progress. Too early for details.

**Hospital**, Ransom, Pa., \$300,000. Architect, Ralph M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owner, Hospital for the Insane, Ransom, Pa. Brick and stone, 300x170 feet, slag roof, steam heat, electric light. Plans in progress. Too early for details.

**Residence**, Pottstown, Pa. Architects, Hewitt & Ash, Bullitt Building, Philadelphia. Owner, Kennett Howard, care of Hill School, Pottstown, Pa. Hollow tile and stucco, 2½ stories, 28x42 feet and 15x15 feet, shingle roof, composition, oak and pine floors, hot water heat, electric light. Architects have received bids.

**School (add.)**, Freemansburg, Pa. Architect, E. H. Wenzelberger, Reader Building, Easton, Pa. Owners, Freemansburg School District, Freemansburg, Pa. Brick, 2 stories, 4 rooms, stone foundations, slate roof, maple floors,

steam heat, electric light, roof ventilators. Plans in progress.

**Residence**, Easton, Pa. Architect, William Michler, 610 Drake Building, Easton, Pa. Owner, Mrs. M. K. Fax, Easton, Pa. Brick, 2 stories, 38x21 feet, slate roof, hardwood floors, hot air heat, electric light. Plans in progress.

**Children's Home**, Easton, Pa. Architect, William Michler, Drake Building, Easton, Pa. Owner, Mrs. Evans, North Third street, Easton, Pa. Stone, 2 stories, 35x132 feet, 40x80 feet, slate roof, cement and yellow pine floors, stone foundations, steam heat, electric light, tile and marble work, rolled steel sash. Plans completed.

**Residence**, Bangor, Pa. Architect, E. H. Wenzelberger, Reeder Building, Easton, Pa. Owner, Dr. Hockenberry, Bangor, Pa. Brick, 2 stories, 28x50 feet, stone foundations, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Architect will take bids in two weeks.

**Hospital**, Easton, Pa., \$225,000. Architect, William Michler, Drake Building, Easton, Pa. Owner, Mr. Tomkin, Easton Trust Co., Easton, Pa. Brick, stone and steel, 3 stories, 265x330 feet, 69x104 feet, stone foundations, hardwood and tile floors, electric light, tile, marble and terrazzo work, elevators. Architect will be ready for bids August 1st.

**Factory**, Clenel and Broadway, Bethlehem, Pa. Architect, E. H. Bitting, Wilbur Trust Building, Bethlehem, Pa. Owner, E. G. Ranky, care of architect. Brick, 2½ stories, 69x41 feet, slag roof, wood floors, electric light. Owner taking general bids.

**Bungalow and Garage**, Springfield, Pa. Architect, Paul L. Kamper, Widener Building, Philadelphia. Owner, Charles G. Cope, Shubert Building, Philadelphia. Stone, 1 story, 40x60 feet, 18x20 feet, stone foundation, asbestos shingle roof, maple floors, hot water or vacuum heat, electric light, tile work. Architect taking sub-bids.

**Bungalow and Garage**, Penfield, Delaware County, Pa. Architects, Robert W. Pollock & H. R. Rust, 1802 Chestnut street, Philadelphia. Owner, R. Hickox, 5826 Angora Terrace, Philadelphia. Frame, 1 story, 25x50 feet, and 1 story, 18x18 feet, shingle roof, hardwood floors, brick foundations, hot air heating, electric lighting, tile work. Plans completed. Will take bids in a few days.

**Garage**, Ogontz, Pa. Architect, F. Ferdinand Dura, 220 Locust street, Philadelphia. Owner, Commissioners of Cheltenham Township, Ogontz, Pa. Stone, brick and steel, 2 stories, 17x30 feet, slate roof, pine floors, stone foundations, hot water heat, electric lighting. Owners have received bids.

**School Building**, Central Pennsylvania, \$25,000. Architects, Durham Bros., 26 South Fifteenth street, Philadelphia. Owner's name withheld. Stone, 2 stories, slate roof, hot air

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heat, electric light. Preliminary plans in progress.

**Silk Mill**, Easton, Pa. Architect, E. H. Wenzelberger, Reeder Building, Easton, Pa. Owner, Lewis Sulkin, Easton, Pa. Brick, 2 stories, 63x118 feet, concrete foundations, slag roof, pine floors, steam heat, electric light. Owner taking sub-bids.

**Garage**, Farien and Union streets, Easton, Pa. Architect, E. H. Wenzelberger, Reeder Building, Easton, Pa. Owner, Lewis Sulkin, Easton, Pa. Brick, 1 story and basement, 60x110 feet, concrete foundations, slag roof, concrete floors, steam heat, electric light, rolled steel sash, iron work, gasoline storage system. Owner taking sub-bids.

**Silk Mill**, Bethlehem, Pa., \$70,000. Architect, H. J. Wiener, Bethlehem Trust Building, Bethlehem, Pa. Owners, Gallia Silk Manufacturing Co., south side, Bethlehem, Pa. Brick and mill construction, 3 stories, 50x200 feet, slag roof, wood floors, steam heat, electric light, rolled steel sash, rolled steel skylights, fire doors, elevators, roof ventilators, metal window guards. L. O. Gramley, north side, Bethlehem, Pa., will build.

**House**, Morrisville, Pa. Architect, Walter Hankin, 239 South Warren street, Trenton, N. J. Owner, Mrs. Ivins, 26 General Green avenue, Trenton, N. J. Hollow tile and stucco, 2½ stories, 34x34 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Owner taking sub-bids.

**Residence**, Bristol, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Mrs. Headley, Bristol, Pa. Brick, 2½ stories. Plans in progress. Too early for details.

**High School (alts. and add.)**, Hatboro, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, School Board, Hatboro, Pa. General remodeling, alterations and additions. Plans in progress. Too early for details.

**Residence**, Jenkintown, Pa. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Howard T. Hallowell, Jenkintown, Pa. Hollow tile and stucco, 2½ stories, 19x41 feet, wings 8x10 feet and 14x23 feet, shingle tile roof, stone foundations, hot water heat, electric light, tile work, yellow pine and oak floors, hollow tile, iron work. Architect taking bids, due July 24th. Specht & Sperry, Heed Building; F. L. Hoover & Sons, 1023 Cherry street; Ed. Lever, Jr., Abington, Pa.; E. Allen Reeves, Abington, Pa.; John E. Hauser, Glenside, Pa.; Howard Amey, Ambler, Pa.; W. D. Lukens, North Wales, Pa., and W. John Stevens, Inc., Wynecote, Pa., are figuring.

**Road Work**, various locations, Pennsylvania. Architect, private plans. Owners, Pennsylvania Highway Department, care of Commissioner Lewis E. Sadler, Harrisburg, Pa. Concrete, bituminous slag and vitrified brick. Owners taking bids, due July 29th.

**Road Work**, various locations, Pennsylvania. Architect, private plans. Owners, Pennsylvania Highway Department, care of Commissioner Lewis E. Sadler, Harrisburg, Pa. Concrete, vitrified brick, bituminous slag. Owners taking bids, due August 5th.

## Pennsylvania Contracts Awarded

**Garage**, Haverford, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Phila-

delphia. Owner, W. M. Swain, Haverford, Pa. Stone, 1½ stories, 27x54 feet, wing 12x13 feet, slate roof, cement and pine floors, stone foundations (heat, electric light and plumbing reserved). Contract awarded to George L. Croll, Rosemont, Pa.

**Residence (alts. and add.)**, Bryn Mawr, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, J. E. Caldwell, Widener Building, Philadelphia. Stone and frame, 2½ stories, 20x30 feet and 16x50 feet, slate roof, oak floors, stone foundations, steam heat (electric light reserved), tile and marble work. Contract awarded to Gray Bros., Rosemont, Pa.

**Twin House**, Glenside, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, Leon W. Scott, 5225 Archer street, Germantown. Frame, 2½ stories, 36x36 feet, shingle roof, pine floors, stone foundations, hot air heat, electric lighting. Contract awarded to Ephrem Carmel, 350 Queen Lane, Germantown.

**Storage Service Building**, S. Carey street, Wilkes-Barre, Pa., \$15,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Maloney Oil and Manufacturing Co., on premises. Hollow tile, concrete and brick, 1 story and basement, 36x76 feet, concrete floors, rolled steel sash, concrete or asphalt driveway, circular retaining walls for service station. Contract awarded to Heiman Malander, Wilkes-Barre, Pa.

**Garage**, Mont Rose, Pa. Architect, Ed. Longly, Scranton Life Insurance Building, Scranton, Pa. Owner, Glen L. Voss, Mont Rose, Pa. Brick and stone, 1 story, 60x74 feet, stone foundations, slag roof, concrete floors, electric light, rolled steel sash. Contract awarded to Shepherd Const. Co., Wilkes-Barre, Pa.

**Retaining Walls and Grading**, Scranton, Pa. Architect, Ed. Longly, Scranton Life Insurance Building, Scranton, Pa. Owner, C. S. Woolworth, care of architect. Concrete, granite and limestone, 135 feet long. Contract awarded to E. S. Williamson, Scranton, Pa.

**Masonic Building (alts. and add.)**, Homesdale, Pa. Architect, Ed. Longly, Scranton Life Insurance Building, Scranton, Pa. Owners, Masons, Miller & Mumford, Homesdale, Pa. Brick, 1½ stories, 50x90 feet, interior alterations. Contract awarded to Shepherd Const. Co., Wilkes-Barre, Pa.

**Mill Building**, Archbald, Pa. Architect, Wm. Hancock, Mears Building, Scranton, Pa. Owners, Clevens Silk Co., Archbald, Pa. Brick, concrete, 1 story, 30,000 square feet, steam heat, electric light, maple floors, steel sash. Contract awarded to Fred Lay, Scranton, Pa.

**Hog Barn**, Retreat, Pa. Architect, Austin Reilly, Bennett Building, Wilkes-Barre, Pa. Owners, Central Poor District, Wilkes-Barre, Pa. Glazed tile, 1 story, 297x27 feet, concrete foundations, asbestos roof. Contract awarded to A. M. Hildebrand, Wilkes-Barre, Pa.

**Odd Fellows' Building**, Bethlehem, Pa., New and Broad streets. Architect, E. H. Bitting, Wilbur Trust Building, Bethlehem, Pa. Owners, Odd Fellows, care of Mr. A. Barthold. 5 New street, Bethlehem, Pa. Stone and terra cotta, 4 stories, 60x100 feet, fireproof roof, fireproof floors, steam heat, electric light, tile and marble work. Contract awarded to F. Geoman & Son, Bethlehem, Pa.

**Garage**, West Side, Bethlehem, Pa., \$1,500. Architect, H. J. Weigner, Bethlehem Trust Building, Bethlehem, Pa. Owner, F. C. Krouss, 29 South Main street, Bethlehem, Pa. Brick, 1



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story, 22x20 feet, concrete foundations, slate roof, cement floors, electric lighting. Contract awarded to Mr. Glassmeyer, Bethlehem, Pa.

**Residence**, Elkins Park, Pa., \$28,000. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, Palen Spruance, Elkins Park, Philadelphia. Stone, 2½ stories, 50x30 feet, wing 20x25 feet, slate roof, oak floors, hot water heating, electric lighting, tile and marble work. Contract awarded to E. Allen Reeves, Abington, Pa.

**Residence (add. and alts.)**, Jenkintown, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Louis B. Fortner, 235 Dock street, Philadelphia. Hollow tile and plaster, 2½ stories, 16x19 feet, stone foundations, shingle roof, oak and yellow pine floors, hollow tile, metal lath, tile work, waterproofing. Contract awarded to Specht & Sperry, Heed Building, Philadelphia.

**Garage**, West Side, Bethlehem, Pa. Architect, H. J. Weigner, Bethlehem Trust Building, Bethlehem, Pa. Owners, West Side Garage, care of architect. Brick and trussed steel, 1 story, 150x30 feet, slag roof, composition floors, electric light, reinforced concrete. Contract awarded to Mr. Glassmeyer, Bethlehem, Pa.

**Apartment**, Birch street, Bethlehem, Pa., \$25,000. Architect, E. H. Bitting, Wilbur Trust Building, Bethlehem, Pa. Owner, L. Klein, Birch street, Bethlehem, Pa. Brick, 3 stories, 40x50 feet, stone foundations, slag roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to A. Schutzer, Allentown, Pa.

**Residence**, Eighteenth and Northampton streets, Easton, Pa., \$10,000. Architect, E. H. Wenzelberger, Reeder Building, Easton, Pa. Owner, Fred Muser, 2032 North Fourth street, Easton, Pa. Stone and frame, 2½ stories, 40x32 feet, stone foundations, slag roof, marble work. Contract awarded to A. P. Smith & Son, Easton, Pa.

**Garage**, Third and Delaware streets, Easton, Pa., \$35,000. Architect, E. H. Wenzelberger, Reeder Building, Easton, Pa. Owners, Quig Bros., Easton Hudson Motor Co., Easton, Pa. Brick and steel, 2 stories, 67x110 feet, stone foundations, slag roof, composition floors, steam heat, electric light, hollow metal sash, elevators, plate glass and terra cotta. Contract awarded to Stewart Const. Co., Easton, Pa.

**Coal Trestle and Bunker**, Summerdale Station, Pa., \$15,000. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owners, Stokes & Smith, Summerdale Station, Pa. Concrete, brick work, steel work, mill work, carpentry, hardware. Contract awarded to Robt. E. Lamb Co., 843 North Nineteenth street.

**Apartment House and Garage**, Swarthmore, Pa., \$35,000. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owner, A. M. Garrett, Swarthmore, Pa. Brick and stucco, 3 stories, 81x33 feet, stone foundations,

slate roof, North Carolina pine floors, steam heat, electric light, tile work. Contract

awarded to Wills-Ludwick Co., 1708 Sansom street, Philadelphia.

## NEW JERSEY

## Construction News

**Station and Freight House**, Hamilton, N. J. Architect, private plans. Owners, Philadelphia and Reading R. R., Reading Terminal, Philadelphia. Brick, 1 story, 14½x25 feet, slate roof, cement floors. Owners taking bids, due July 21st. Roydhouse Arey Co., 112 N. Broad street; F. A. Havens Co., 845 North Nineteenth street; Robert E. Lamb Co., 843 North Nineteenth street; F. W. Van Loon, Denkla Building; A. L. Carhart, Penfield Building; Metzger & Fisher, Otis Building; Pringle-Borthwick, 8018 Germantown avenue, are figuring.

**Residence**, Chestnut Ridge, Glassboro, N. J. Architect, J. Fletcher Street, 129 South Fifth street, Philadelphia. Owner, Mrs. William A. Sproull, on premises. Frame, 2½ stories, 30x30 feet, shingle roof, pine and composition floors, hot air heat, electric light. Owner is ready for bids.

**Building No. 8**, Newark Works, Newark, N. J. Architect, Building and Equipment Department, General Electric Co., Harrison, N. J. Owners, General Electric Co., Harrison, N. J. Steel and brick, 4 stories, 41x81 feet, slag and tile roof, maple floors, stone foundations, iron work (heat and light reserved). Owners taking bids. F. W. Mark Cont. Co., Commercial Trust Building, Philadelphia, are figuring.

**Wilson School**, Ninth and Florence streets, 1713 Sansom street, Philadelphia. Owners, Camden, N. J. Architect, Paul A. Davis, 3rd, Board of Education, care of J. W. F. Bleakley, City Hall, Camden, N. J. Brick, cut stone and steel, 3 stories, 38x166 feet, auditorium 41x90 feet, slag roof, pine and concrete floors, metal lath, roof ventilators, waterproofing, concrete foundations, rolled steel sash, fire doors, iron work, tile work (steam heat, electric light and plumbing reserved). Lowest bidder: Standard Const. Co., 1713 Sansom street, Philadelphia.

**Yorkship School Building**, Yorkship Village, Camden, N. J. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Board of Education, Camden, N. J. Brick and steel, 2 stories, 125x172 feet, slag roof, concrete and pine floors, concrete foundations, tile work, metal lath, fire doors, waterproofing, iron work (heating, lighting and plumbing reserved). Lowest bidder, Wm. Linker Co., 831 Cherry street, Philadelphia.

**Residence**, Woodbury, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, Wm. H. Sutton, Woodbury, N. J. Frame, 2½ stories, 28x40 feet,

shingle roof, hot air heat, electric light. Plans about completed.

**Bank Building (alts.)**, Camden, N. J. Architect, Thomas Stevens, 304 Temple Building, Camden, N. J. Owners, Central Trust Co., Camden, N. J. Brick, stone, marble and steel, 1½ stories, 59x58 feet, stone foundations, slate roof, maple, marble and terrazzo floors, electric light, metal lath, marble and terrazzo work, rolled steel skylights, iron work. Architect has received bids.

**Jail (add.) and Warden's House**, Tom's River, N. J. Architect, Thomas Stevens, Temple Building, Camden, N. J. Owners, Ocean County Board of Freeholders, Toms River, N. J. Stone, hollow tile and stucco, addition 2 stories, 35x36 feet. House, 2½ stories, 28x40 feet, slag roof, hardwood floors, electric lighting. Jail, steel cells, reinforced ceiling and floors, hollow metal doors, roof ventilators, metal window guards, iron stairs. Revised plans in progress.

**Residence (alts. and add.)**, Merchantville, N. J. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, A. Gill, Merchantville, N. J. New porch, 13x40 feet, slag roof, pine floors. Owner taking bids.

**Psychopathic Hospital**, Trenton, N. J. Architect, F. H. Bent, State Capitol Building, Trenton, N. J. Owner, care of S. T. Atchley, Trenton Insurance Association, Trenton, N. J. Stone, 4 stories and basement, 94x45 feet, 30-foot court, stone foundations, metal skylights, fireproof floors, electric light, tile and marble work, elevators, roof ventilators, metal window guards. Low bidder, Standard Const. Co., 1713 Sansom street, Philadelphia.

**Bank (add.)**, Fourth and Federal streets, Camden, N. J., \$60,000. Architect, Thomas Stevens, Temple Building, Camden, N. J. Owners, Central Trust Co., on premises. Marble, 1 story, 100x100 feet, steel and copper roof, marble and mosaic floors, electric light, tile, marble and terrazzo work, iron sash, bank fixtures, copper roof ventilators. Architect taking bids. James Draper, Louis West, Baldwin Construction Company, George Bachman, Duckworth-Hartman Co., all of Camden; Cramp & Co., Denkla Building; Irwin & Leighton, 126 North Twelfth street, and F. L. Hoover & Sons, Inc., 1023 Cherry street, Philadelphia, are figuring.

**Y. M. H. A. Building**, Sixth and Walnut streets, Camden, N. J., \$15,000. Architect, private plans. Owners, Young Men's Hebrew Association, on premises. Brick and steel,

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auditorium and basement, 55x60 feet, stone foundations, slag roof, plumbing; hollow metal skylights, roof ventilators. Low bidder, Baldwin Const. Co., Camden, N. J.

**Garage**, Merchantville, N. J. Architects, Moffett & Truscott, 30 North Third street, Camden, N. J. Owner's name withheld. Frame and stucco, 1 story, 10x18 feet, canvas roof, cement floors, electric light. Being built by day.

**Apartment (alts.)**, Eighteenth and Diamond streets, Philadelphia. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owner's name withheld. General interior alterations, painting, new plumbing, hot water heat, tile work, roof ventilators. Plans in progress.

**Hospital (alts.)**, Vineland, N. J. Architect, F. H. Bent, State Capitol Building, Trenton, N. J. Owners, Institution for the Feeble Minded, care of Dr. Hallowell, Vineland, N. J. Plumbing fixtures. Owners will build.

**Times Building (alts.)**, Stockton street, Trenton, N. J. Architect, W. A. Kleman, First National Bank Building, Trenton, N. J. Owners, Trenton Evening Times, on premises. General alterations, rest rooms and plumbing. Plans in progress.

## New Jersey Contracts Awarded

**School**, Monroeville, N. J. Architects, Moffett & Truscott, 30 North Third street, Camden, N. J. Owners, School Board of Monroeville, N. J. Tile and stucco, 96x48 feet and 40x34 feet, asbestos roof, maple floors, gravity heating. Contract awarded to H. H. Hankin, Bridgeton, N. J.

**Garages (6)**, Collingswood, N. J. Architect, private plans. Owners, E. W. Mowrey & John J. Gormley, Collingswood, N. J. Hollow tile, 1 story, 18x20 feet, rubberoid roof, hot water heat. Contract awarded to Quay & Co., 3020 North Twenty-sixth street, Philadelphia.

**Psychopathic Hospital**, Trenton, N. J. Architect, F. H. Bent, State Capitol Building, Trenton, N. J. Owners, State of New Jersey, care of S. T. Stehley, Trenton Insurance Association, Trenton, N. J. Stone, 4 stories and basement, 45x94 feet, 30 feet court, stone foundations, fireproof floors, electric lighting, tile and marble work, hollow metal skylights, elevators, roof ventilators, metal win-

dow guards. Contract awarded to Standard Const. Co., 1713 Sansom street, Philadelphia.

**Church (alts.)**, Trenton, N. J. Architect, W. A. Kleman, First National Bank Building, Trenton, N. J. Owners, Fourth Presbyterian Church, Trenton, N. J. Hollow tile and brick, concrete and yellow pine floors. Contract awarded to S. W. Mather & Son, Trenton, N. J.

**Dwellings (10)**, South State street, Trenton, N. J., \$45,000. Architect, private plans. Owners, Park Place Land Co., Trenton, N. J. Brick, 2½ stories, 32x48 feet, concrete foundations, slate and slag roof, pine floors, electric light. Contract awarded to Frank Russo, 220 Butler street, Trenton, N. J.

**Factory (add.)**, Mead street, Trenton, N. J., \$17,000. Architect, private plans. Owners, Hamilton Rubber Manufacturing Co., on premises. Brick, 3 stories, 60x60 feet, concrete foundations. Contract awarded to Aitken & Bebbington, 113 South Stockton street, Trenton, N. J.

**Dwelling**, Parkside avenue, Trenton, N. J., Brick, 2½ stories, 25x44 feet, stone foundations, slate roof, hardwood floors, electric lighting. Contract awarded to Burton & Burton, American Mechanics' Building, Trenton, N. J.

## Delaware Construction News

**Dwellings (5)** 1619-27 North Franklin st., Wilmington, Del., \$30,000. Architect, private plans. Owner, Harvey D. Blackwell, 629 W. Sixth street, Wilmington, Del. Brick, 16x33 feet, slag roof, oak floors. Owner will build.

**Residence**, Wilmington, Del. Architect, Wm. Woodburn Potter, Real Estate Trust Building, Philadelphia, Pa. Owner, Allen J. Henry, Wawaset Park, Wilmington, Del. Hollow tile and plaster, 2½ stories, 27x36 feet, shingle roof, oak floors, stone foundations, hot air heat, electric light, tile work. Architect taking bids, due as soon as possible. Smyth Const. Co., W. D. Haddock & Co., Wm. S. Reed & Bros. Co., and C. H. Bryce, all of Wilmington, Del., are figuring.

**Academy Building**, Penn and Franklin sts., Wilmington, \$250,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Ursuline Nuns, 1109 Delaware avenue, Wilmington, Del. Stone, fireproof, 3½ stories,

100x300 feet, stone foundations, slate roof, hardwood and tile floors, steam heat, electric light, tile, marble and terrazzo work. Plans in progress.

**Apartment and Store**, 821 W. Ninth street, Wilmington, Del. Architect, E. L. Rice, 815 Market street, Wilmington, Del. Owner, M. Rosenberg, 823 West Ninth street, Wilmington, Del. Brick, 4 stories, 19x78 feet, stone foundations, slag roof, pine floors, vapor heating, electric and gas light, roof ventilators. Architect has received bids.

**Factory (add.)**, Fourth and Orange streets, Wilmington, Del., \$25,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Delmarna Leather Co., on premises. Brick and mill construction, 5 stories, 30x100 feet, concrete foundations, slag roof, pine floors, electric light, hollow metal sash, elevators. Plans in progress.

**Dwelling**, north side of Clinton street, Wilmington, Del., \$17,000. Architect, private plans. Owner, H. Rodney Sharp, Greenhill avenue and Penn street, Wilmington, Del. Stone, 2 stories. Owner will build.

## Delaware Contracts Awarded

**House**, 1920 West Fifth street, Wilmington, Del., \$3,000. Architect, private plans. Owner, Michael Uzzo, Wilmington, Del. Brick, 2 stories, 16x43 feet. Contract awarded to Agostine Fortunato, 1606 Howland street, Wilmington, Del.

**Residence (alts. and add.)**, 826 Washington street, Wilmington, Del. Architect, Roscoe Tindall, Wilmington, Del., 914 Orange street. Owner, Dr. Charles H. Kinkead, 828 Washington street, Wilmington, Del. General interior alterations. Contract awarded to S. E. Tarbuton & Son, 914 Orange street, Wilmington, Del.

**Dwelling**, 103 West Ninth street, Wilmington, Del., \$5,683. Architect, private plans. Owners, Brandywine Real Estate Co., Wilmington, Del. Brick, 1 story, 20x60 feet. Contract awarded to Wm. D. Haddock Co., 804 Orange street, Wilmington, Del.

**Office (add.)**, Front and Monroe streets, Wilmington, Del., \$2,000. Architect, private plans. Owners, L. D. Kent Co., on premises. Brick and frame. Contract awarded to J. E. Healy & Son, 707 Tatnall street, Wilmington,

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# PHILADELPHIA AS A BUILDING CENTER

Official Figures Showing in Detail the Constructive Activity of the First Six Months of 1919

Number of New Buildings Erected from January 1st to June 30th, 1919.

| 1919.                                | Jan. | Feb. | March. | April. | May.  | June. | Total.<br>Operations. | Estimated<br>Cost. |
|--------------------------------------|------|------|--------|--------|-------|-------|-----------------------|--------------------|
| One-story Dwellings.....             | ..   | ..   | ..     | ..     | ..    | 1     | 1                     | \$3,500            |
| Two-story Dwellings.....             | 2    | 23   | 301    | 491    | 710   | 868   | 2,395                 | 10,147,400         |
| Three-story Dwellings.....           | 13   | 16   | 41     | 48     | 123   | 99    | 340                   | 2,552,915          |
| Frame Dwellings.....                 | ..   | 1    | 5      | 2      | 7     | 16    | 31                    | 103,950            |
| Office Buildings.....                | ..   | 3    | 3      | 1      | 3     | 1     | 11                    | 58,600             |
| Warehouses.....                      | 2    | 1    | 4      | ..     | 4     | 5     | 16                    | 398,000            |
| Factories.....                       | ..   | 2    | 2      | 6      | 8     | 9     | 27                    | 1,004,500          |
| Foundries and Shops.....             | 2    | 2    | 3      | 6      | 8     | 4     | 25                    | 61,700             |
| Stores.....                          | ..   | 1    | 3      | 2      | 3     | 7     | 16                    | 203,700            |
| Churches.....                        | ..   | ..   | 1      | ..     | 1     | ..    | 2                     | 63,000             |
| Banks.....                           | ..   | ..   | ..     | ..     | 1     | 1     | 2                     | 182,000            |
| Hospitals.....                       | ..   | ..   | ..     | ..     | ..    | 1     | 1                     | 110,000            |
| Armories.....                        | ..   | ..   | ..     | ..     | 1     | ..    | 1                     | 230,000            |
| Tenement Houses.....                 | ..   | ..   | 2      | ..     | ..    | 1     | 3                     | 365,000            |
| Stables.....                         | 1    | 2    | 1      | 1      | ..    | 3     | 8                     | 16,500             |
| Garages.....                         | 23   | 36   | 82     | 149    | 214   | 156   | 660                   | 1,059,025          |
| Round Houses.....                    | 1    | ..   | ..     | ..     | ..    | ..    | 1                     | 72,000             |
| Places of Amusement.....             | ..   | ..   | ..     | 1      | ..    | 1     | 2                     | 50,000             |
| Municipal Buildings.....             | ..   | ..   | ..     | 3      | ..    | 8     | 11                    | 571,400            |
| Miscellaneous Buildings.....         | 4    | 7    | 10     | 15     | 9     | 12    | 57                    | 52,770             |
| Total New Buildings.....             | 48   | 94   | 458    | 725    | 1,092 | 1,193 | 3,610                 | \$17,305,960       |
| Additions.....                       | 50   | 77   | 122    | 182    | 219   | 226   | 876                   | 2,283,915          |
| Alterations and Repairs.....         | 191  | 194  | 320    | 347    | 337   | 384   | 1,773                 | 1,977,690          |
| Grand Totals.....                    |      |      |        |        |       |       | 6,259                 | \$21,567,565       |
| Heaters.....                         |      |      |        |        |       |       | 39                    | 33,615             |
| Fire Escapes.....                    |      |      |        |        |       |       | 11                    | 10,650             |
| Signs.....                           |      |      |        |        |       |       | 21                    | 10,545             |
| Miscellaneous unclassified work..... |      |      |        |        |       |       | 678                   | 360,615            |
| Total work of all kinds.....         |      |      |        |        |       |       | 7,008                 | \$21,982,990       |

## TWO-STORY DWELLINGS—Including Two-story Stores and Dwellings.

| Wards.    | 11 | 18 | 21 | 22 | 23 | 24 | 26 | 32 | 33 | 34  | 35 | 38 | 39  | 40  | 41 | 42  | 43 | 44 | 45 | 46  | 48  | Tot'ls |
|-----------|----|----|----|----|----|----|----|----|----|-----|----|----|-----|-----|----|-----|----|----|----|-----|-----|--------|
| Jan. .... | .. | .. | .. | .. | .. | .. | .. | .. | .. | ..  | .. | .. | ..  | 1   | 1  | ..  | .. | .. | .. | ..  | ..  | 2      |
| Feb. .... | .. | .. | .. | 8  | .. | .. | .. | .. | .. | ..  | 4  | .. | ..  | ..  | 1  | 10  | .. | .. | .. | ..  | ..  | 23     |
| Mar. .... | 1  | .. | .. | 48 | 1  | .. | .. | 42 | .. | 31  | .. | 37 | ..  | 8   | .. | 115 | .. | .. | 2  | 16  | ..  | 301    |
| Apr. .... | .. | .. | 1  | .. | 17 | 7  | .. | .. | .. | 27  | 29 | .. | ..  | 117 | 5  | 252 | 6  | 1  | .. | 29  | ..  | 491    |
| May ....  | .. | 8  | 2  | 22 | 7  | .. | 18 | .. | 39 | 87  | 21 | .. | 3   | 35  | 41 | 225 | 19 | .. | .. | 12  | 171 | 710    |
| June..... | .. | .. | 2  | 12 | .. | .. | 34 | .. | .. | 69  | 28 | .. | 200 | 116 | .. | 332 | .. | .. | .. | 75  | ..  | 868    |
| Totals.   | 1  | 8  | 5  | 90 | 25 | 7  | 52 | 42 | 39 | 214 | 82 | 37 | 203 | 277 | 48 | 934 | 25 | 1  | 2  | 132 | 171 | 2,395  |

## THREE-STORY DWELLINGS—Including Three-story Stores and Dwellings.

| Wards.         | 3  | 4  | 13 | 21 | 22 | 23 | 26 | 30 | 34  | 35 | 38 | 42 | 43 | 46 | Totals |
|----------------|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|--------|
| January .....  | .. | .. | .. | .. | .. | .. | .. | .. | ..  | .. | .. | .. | .. | 13 | 13     |
| February ..... | .. | .. | .. | .. | .. | .. | 4  | .. | ..  | .. | 6  | .. | .. | 6  | 16     |
| March .....    | .. | 2  | .. | 2  | 2  | .. | .. | .. | 2   | .. | 2  | 27 | .. | 4  | 41     |
| April .....    | .. | 4  | 2  | .. | 2  | .. | .. | .. | 34  | 6  | .. | .. | .. | .. | 48     |
| May .....      | .. | 1  | .. | .. | 12 | 4  | 1  | 1  | 45  | 9  | .. | 44 | 1  | 5  | 123    |
| June .....     | 1  | .. | .. | 2  | 20 | 6  | .. | .. | 36  | 1  | .. | 19 | .. | 14 | 99     |
| Totals.....    | 1  | 7  | 2  | 4  | 34 | 16 | 1  | 1  | 117 | 22 | 2  | 90 | 1  | 42 | 340    |

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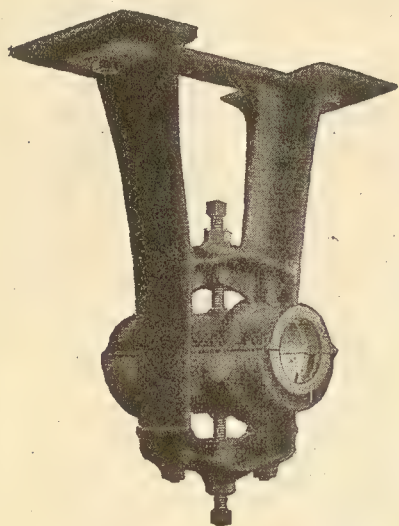
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PHILADELPHIA

**Apartment House and Store**, northwest corner Eighth and Shipley streets, Wilmington, Del., \$29,000. Architect, private plans. Owner, W. A. Casey, 1612 West Sixteenth street, Wilmington, Del. Brick, 4 stories, 25x51 feet. Contract awarded to J. E. Healey & Son, 707 Tatnall street, Wilmington, Del.

**Moving Picture Theatre**, Fourth and Du Pont streets, Wilmington, Del., \$20,000. Architect, private plans. Owners, A. Corleto & Co., Seventh and Lincoln streets, Wilmington, Del. Brick, 2 stories, 60x122 feet. Contract awarded to Apostino Fortinato, Wilmington, Del.

## Miscellaneous Construction News

**Factory**, Thompson and Nelson avenues, Mount and Manly streets, Long Island, N. Y. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, American Chicle Co., 19 West Forty-fourth street, New York City. Reinforced concrete and steel, 5 and 6 stories, 200x600 feet, composition roof, concrete floors, steam heat, electric light, tile work, rolled steel sash, fire doors, ornamental iron work, elevators. Architects taking bids, due at New York office July 28th. Turner Const. Co., 242 Madison avenue; Fred T. Ley & Co., 19 West Forty-fourth street; Thompson-Starrett Co., 49 Wall street, 30 Church street; American Concrete Steel Co., Warren-Moore Co., and Wm. Kennedy, Jr., Const. Co., all of New York City, are figuring.

## Proposals

### INVITATION FOR PROPOSALS

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., July 1, 1919. Sealed Proposals will be opened in this office at 3 P. M., July 31, 1919, for the remodeling of an electric passenger elevator in the United States post office, courthouse, and custom house at Providence, R. I., in accordance with the drawings and specification, copies of which may be had at this office in the discretion of the Supervising Architect. James A. Wetmore, Acting Supervising Architect.

### BUILDING COMMANDS!

(Continued from Page 418.)

so as to build even better than he originally planned.

The best part of a year has passed

since the armistice was signed and money has been in greater circulation than ever before. The astonishingly small number of business failures attests the fact that the country is prosperous to an exceptional degree.

Did anyone ever know of low prices during an era of prosperity?

The skilled labor situation is becoming daily clearer and the unskilled labor situation daily more dismal. That means a larger use of labor-saving machinery and a relocating of floating skilled labor. This implies the greater concentration of skilled artisans, whether they are employed on the building, on engineering work or factories, resulting in steady occupation. Industry well occupied means continued free circulation of money, causing greater activity, the re-opening of other factories and mills and with the re-opening of these factories and mills, warehouses, terminals, office buildings, hotel, theaters and homes will be in demand and must be built.

The periscope reveals a golden tinge to the horizon as the rising sun of prosperity reaches its level with the top of the earth. It is the flow of interest from debtor nations abroad, of returns from harvested crops, larger than the country ever has known; it is the turnover of industry reaching out to grasp a world market and lastly, it is the flood of investment money from the intangible securities of Wall street to the actual and permanent investment of real estate improvement.

No legislative power can force money into unproductive channels. Until the turn of the first half of the year real estate has not been an immediately productive channel of investment, compared with the glitter of a "million-a-day" security market. New York and Illinois, as well as other states, have been trying to legislate the cork into the Wall street investment bottle, but with small success. When the time comes investors will realize the true situation and then building will come into its own.

That time is here. The sun has risen. Building is on its way.

The nation knows that there is actual danger in further deferring construction work. Costs will not recede. Instead, they will advance in exact ratio to the amount of building that is deferred. The fewer building products used, the more building material plants will close, thereby putting premiums upon the products of the plants that do operate.

So investment money is now being taken from Wall street and put into commercial, industrial and special types of income-producing structures, like hotels, theaters in larger quantities, not because of coercion or from any philanthropic desire to provide shelter for the victims of high rents, but because the condition of under construction, in an eight months' try-out, has been proved to be actual. In other words, the demand for building investment has been shown to the satisfaction of investors because the rate for building money is slowly rising above the profit-taking level in Wall street.

It is a start. Some still think it is a false start. Nevertheless, the effect of the signing of the Peace Treaty upon money and investments, building material supply and labor, must be so enormous that it cannot even be guessed.

One of the greatest problems that time only can solve is the adjustment of the relations between capital and labor. The recent convention of the Federation of Labor placed the organization on record as determining to work out its problems on American lines. It must devolve upon the responsible chiefs of the labor movement to bring about a realization that collective bargaining can never dissolve the inborn desire of individual competition. The inequalities of men themselves must eventually be recognized by the rank and file. It is upon this principle that collective bargaining must do its planning in future if it is to use its power constructively.—*The National Builder*.



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Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Tapestry, Face, Common Paving)

O. W. Ketcham.....Builders' Exchange, Phila.  
John S. E. Pardee & Co.....Heed Bldg., Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.  
Samuel H. French & Co.....4th and York sts., Phila.

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.  
Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.  
Petronite Mfg. Co.....531 N. 9th st., Phila.  
Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.  
Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Contractors' Equipment.

Service Equipment Co.....Bourse Bldg., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.

General Fireproofing Co. 512 Bulletin Bldg., Phila.

Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.

McCalla Co., The Harold... 531 N. 4th st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.

Truscon Steel Co....Commonwealth Bldg., Phila.

## Floor Plates.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co. 1332 Arch st., Phila.

## Gas Water Heaters.

Apeldorn & Beatty Co.... 155 N. 9th st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.

Fleck Bros. Co.....44 N. 5th st., Phila.

Keystone Supply and Mfg. Co., 927 N. 9th st.

Richardson and Boynton Co. 1332 Arch st., Phila.

## Hollow Tile.

O. W. Ketcham.....Builders' Exchange, Phila.

## Insurance.

Harris J. Latta.....Pennsylvania Bldg., Phila.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.

Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Iron and Steel Bars and Plates.

Alan Wood Iron & Steel Co. Widener Bldg., Phila.

McCalla Co., The Harold... 531 N. 4th st., Phila.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Levels.

Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

## Light Iron Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lumber.

Wm. Lloyd Co.....29th and Ridge ave., Phila.

James E. Tague & Co.,  
10th and Columbia ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.

Italian Marble Mosaic Co... 433 Spruce st., Phila.

Roman-Cianci Co., Inc... 3428 Warren st., Phila.

## Metal Lath.

Audubon Wire Cloth Co., Inc.... Audubon, N. J.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.

General Fireproofing Co. 512 Bulletin Bldg., Phila.

McCalla Co., The Harold... 531 N. 4th st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.

Truscon Steel Co....Commonwealth Bldg., Phila.

## Metal Lath Construction.

Metal Lath Specialty Co.,  
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## Metal Tiles and Shingles.

Merchant & Evans Co.,  
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Philadelphia Meter Co.,  
Real Estate Trust Bldg., Phila.

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The Fairbanks Co.....7th and Arch sts., Phila.

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4th and Callowhill sts., Phila.

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O. W. Ketcham.....Builders' Exchange, Phila.

John S. E. Pardee & Co.....Heed Bldg., Phila.

## Pipe Fittings and Valves.

The Fairbanks Co.....7th and Arch sts., Phila.

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Keystone Supply and Mfg. Co.,  
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Joseph Vogel Co.....Wilmington, Del.

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Henry M. Miller.....46-48-50 N. 2d st., Phila.

Richardson and Boynton Co. 1332 Arch st., Phila.

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## Reinforcing Bars.

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## Roofing.

The Barrett Co.....New York City and Phila.

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William Moore Co.....1506 Sansom st., Phila.

## Roofing Tin.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Roofing Slate.

William Moore Co.....1506 Sansom st., Phila.

## Safety Guards.

Audubon Wire Cloth Co., Inc.... Audubon, N. J.

Kensington Metal Co.... 1612 N. 2nd st., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

## Screens.

Thos. J. Malia.....141 Wentz st., Phila.

## Steam Specialties.

Apeldorn & Beatty Co.....155 N. 9th st., Phila.

## Slate.

William Moore Co.....1506 Sansom st., Phila.

## Soundings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co.....Bourse Bldg., Phila.

John B. Rulon.....1355 Colwyn st., Phila.

## Structural Slate.

William Moore Co.....1506 Sansom st., Phila.

## Structural Steel.

McCalla Co., The Harold... 531 N. 4th st., Phila.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Surety Bonds.

Harris J. Latta.....Pennsylvania Bldg., Phila.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.

Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co.....Bourse Bldg., Phila.

John B. Rulon.....1355 Colwyn st., Phila.

## Tile and Terrazzo Work.

Belfi Bros. & Co.....1923 Market st., Phila.

French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

Italian Marble Mosaic Co... 433 Spruce st., Phila.

Petronite Mfg. Co.....531 N. 9th st., Phila.

Roman-Cianci Co., Inc... 3428 Warren st., Phila.

William Moore Co.....1506 Sansom st., Phila.

## Tiling.

William Moore Co.....1506 Sansom st., Phila.

## Transits.

Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

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Merchant & Evans Co., 2035 Washington ave.

## Water Paint.

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N. W. Cor. 12th and Spruce sts., Phila.

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## Water Supply.

Keystone Supply and Mfg. Co.,  
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American Metal Weather Strip,  
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Thos. J. Malia.....141 Wentz st., Phila.

## Wheelbarrows.

The Fairbanks Co.....7th and Arch sts., Phila.

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Kensington Metal Co.... 1612 N. 2nd st., Phila.



1792

FOUNDED 1792

1919



## Insurance Company of NORTH AMERICA PHILADELPHIA

### ASSETS

|                                      |                 |
|--------------------------------------|-----------------|
| Bonds and Stocks.....                | \$24,280,745.19 |
| Cash in Banks.....                   | 2,395,335.33    |
| Premiums in course of transmission.. | 3,203,681.96    |
| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

### LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

Total Liabilities ..... \$30,801,413.40

Surplus to Policyholders.....\$ 12,922,516.93  
Losses paid since organization 203,147,689.78

### The Oldest American Stock Insurance Company

Fire Insurance  
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Salesman's Floater

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Whether you have an "easy" or "complicated" heating or cooking problem, it can be solved by simply specifying **ADELPHIA** on either a



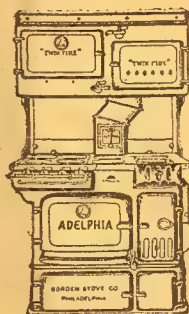
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**WARM AIR PIPE OR PIPELESS FURNACE**



**RANGES FOR STRAIGHT COAL OR COMBINATION COAL AND GAS**



**TANK HEATER**

We are also Eastern Agents for the celebrated PITTSBURG line of automatic and tank gas water heaters. Our centrally located showrooms present one of the finest assortments in the city, and the architect or client is always assured of a hearty welcome. Our complete stocks carried at all times enable us to render that same BORDEN SERVICE—since 1878—and last but not least—our prices are right, too!

**BORDEN STOVE CO.**

**1311-1313 Arch Street**

**PHILADELPHIA**



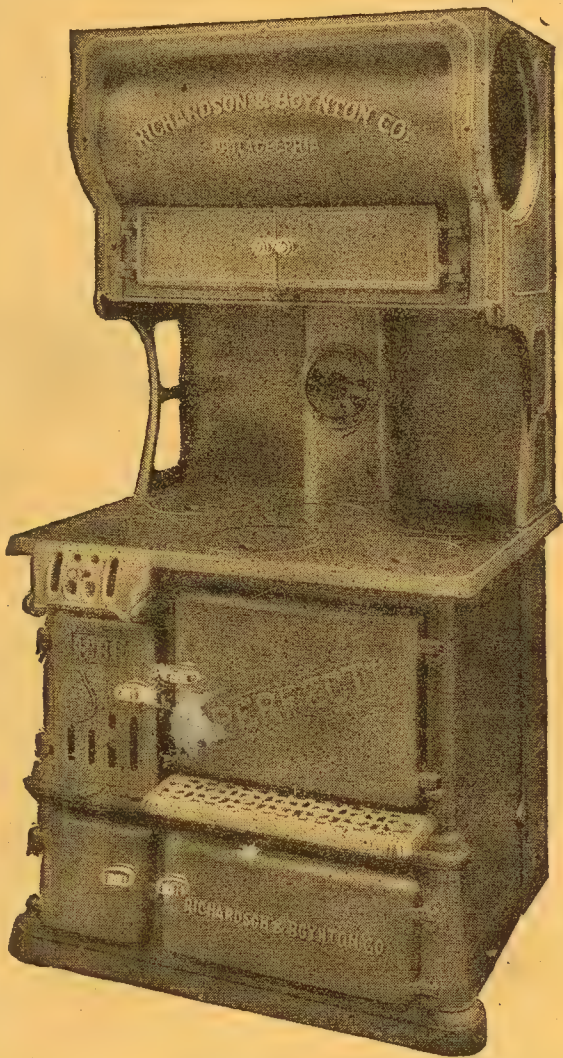
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 30  
July 23, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

LESS THAN ONE YEAR  
15 CENTS PER COPY

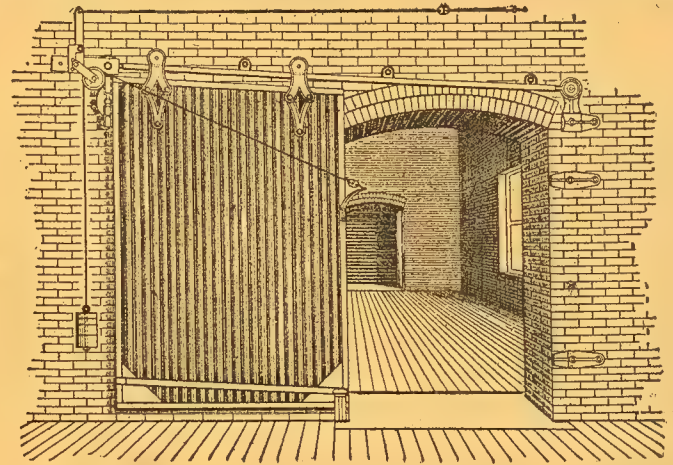


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will confine fire to the same room where it started. They will save the contents in other parts of the building from being destroyed.

They are constructed ruggedly of metallic non-combustible materials to make them last for a century, yet they are light and easy to operate.

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It's the anchorage of the posts that determines whether the fence will keep its alignment and stand straight and true after years of service.

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are built on anchor posts which are driven into the ground and then held rigidly erect by two Anchor stakes driven diagonally through slots clamped to the sides of the posts.

Iron Railings and Entrance Gates, Lawn Fences, Tennis-Court, Poultry and Kennel-Yard Enclosures, Arbors, Trellises, and Flower-Bed Guards. Catalogues of any or all are yours upon request.

**Anchor Post Iron Works**

W. S. SLACK, Manager  
Real Estate Trust Bldg., Phila.



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Manufacturer of

**Ornamental Terra Cotta**

**Face Brick  
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Paving Brick  
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**Damp, Fire and Vermin Proof**

WE LAY THIS FLOOR ANYWHERE  
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ORIGINAL COST OF **Carter Con-  
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A complete range of colors. Manufactured of vitrifying shale and fire clay. Our prices defy competition.

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All Shale Bricks in carload lots, delivered on job at competitive prices. We are shipping 200,000 bricks daily to 28 building operations.

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### GOLD MEDAL GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges  
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The water hugs the body. Will not splash outside of tub. No curtain to keep clean. Fits any bath tub. Anyone can attach it.

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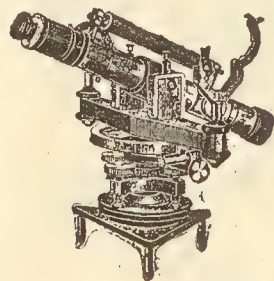
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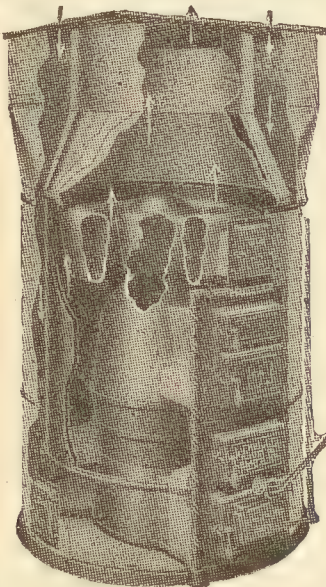
The experience of years in knowing and buying the best material for use in Composition Floors and the scientific application of that knowledge, enables us to give you a better article at less money, and a guarantee that makes you absolutely secure.

**WE KNOW HOW**

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Scientifically and correctly applies the laws of warm and cool air circulation for heating entire house thru one register.

Burns any kind of fuel—big fuel saver.

Low cost and easily installed.

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Fine Plumbing Goods and Heating Materials.  
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*Because* we use only the best materials, and *because* our guarantee is absolute and unqualified.

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Electrical Contracting in all its Branches

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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 30

PHILADELPHIA  
July 23, 1919

## BUILDERS' GUIDE

OFFICES, PERRY BUILDING (Suite 824-825-826)  
Sixteenth and Chestnut Sts., Philadelphia, Pa.

PUBLISHED WEEKLY  
BY

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## As The Editor Sees It



WITHOUT doubt the great demand for homes and buildings of all kinds must be met today, in spite of the scarcity of labor and materials and the attendant high prices. The only answer to the problem confronting the architect and the contractor is increased efficiency, and concentrated effort in overcoming the difficulties confronting them today.

An influential factor in today's crisis is the "Associated General Contractors of America." This body aims to promote better relations between private owners and public bodies, their architects or engineers on the one hand, and contractors on the other; to maintain high professional standards in the conduct of work; to combat unfair practices; to encourage efficiency among contractors; to support contractors and contractors' associations in efforts to rectify conditions of an unsatisfactory character; to encourage those methods of contracting for work which relieve the contractor of improper risks, and to encourage sound business methods tending to raise the standing of contractors generally in the business world.

The Association will publish a weekly and monthly paper; the weekly addition for members only. The first issue appears this month.

A little incident related in this issue is evidence of the extent to which the Association may use its influence. Within the past month the attention of the secretary was directed to the fact that one

of the members of the A. G. C. who was low bidder on certain public construction was in danger of losing the contract through a cancellation of all bids on account of political influence. The Secretary at once wrote the Chairman of the Board under whose jurisdiction the award was made in part as follows:

"The membership of this firm in the Associated General Contractors of America is not only an evidence of their skill, honesty and responsibility, but also a guarantee that the members of this Association will do all in their power to help others to maintain high professional standards in the conduct of work; to combat unfair practices; to support contractors and contractors' associations in efforts to rectify conditions of an unsatisfactory character and in other ways to secure justice and fair dealing in all questions affecting the members of this Association."

The general contractor member was awarded the contract, and it may be that the influence of co-operative effort had some bearing in securing fair play.

Discussing the problems which the architect must face today, Mr. Charles H. Hammond, President of the Illinois Society of Architects, says that the architect must make his service more valuable to the public. Several things may be done to accomplish this according to Mr. Hammond. He recommends intelligent effort on the part of the architect to urge upon labor a standard of better

workmanship; standardization in the building industry; putting students on the job, in connection with their school training.

\* \* \*

### HOME LOAN BANK SYSTEM AND HOME FINANCING

One imperative need in the United States now is home building money.

The nation has more money than ever. There is a tremendous home owning sentiment. The need now is to devise a way whereby this sentiment may be crystallized in action and the man who is determined to build and own his home may at once have the house so his rental expense may be turned to payments on his property and, augmented by savings from current income, enable him to climb to home-ownership by way of installment payments.

Unless banking interest, as now organized, can show that they are meeting the demands for home building loans with reasonable adequateness, any opposition they may exert against the new methods of providing loans is unjustified. If the banks, confronted by a new and very pressing problem, are unable to overcome the inertia of conventional methods and devise new and adequate methods of meeting the problem, the penalty will be that interests other than regular banker will meet the problem.

The movement for a system of Federal Home Loan Banks is beyond the preliminary stages. Senator Calder, of New

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York, has introduced in the United States Senate a bill to establish a Federal Home Loan Bank System. In the next few weeks we must decide whether or not we shall provide this needed financial machinery in time to be of assistance now when the demand for homes is unprecedented and the housing shortage is a menace.

Certain banking interests opposed the Federal Reserve legislation and the Farm Loan Act. It was not to be expected that the proposed Federal Home Loan Bank movement would escape opposition. Some of the savings banks are bringing pressure against the Calder bill and it may not be amiss to remind these of two facts:

1. The savings banks and trust companies are drifting away from the real estate market toward the more liquid business of the Federal Reserve banks; and

2. The Calder bill, admittedly, is but a working basis to start action in Congress and it may be so modified to include within its benefits, institutions other than the building and loan associations.

Some of the opposition to the measure takes the form of argument for accomplishing the desired end through amendments to the Federal Farm Loan Act. A study of the possibilities in this field brings up grave doubts as to the prudence of such action.

Those who advocate financing the purchase of homes out of current savings by amendment of the Federal Farm Loan Act rather than by enactment of a law framed especially for that purpose have their eyes fixed on a "method of issuing bonds," and do not consider either the purpose accomplished by the Farm Loan Act or the present civic and economic condition of the country which it is desired to meet by encouraging home building.

The Farm Loan Act was passed to encourage an industry. The proceeds of loans made under it were required to be invested in farm lands or for farm equipment, fertilizer, stock or buildings, or to liquidate indebtedness incurred for the same purposes; loans were made only to persons engaged in farming the property mortgaged. One of the three district directors was required to be a practical farmer, actually engaged in farming when appointed. In fact, it would be difficult to imagine an act more specifically referring to a particular industry.

The bill would have to be amended at approximately 280 points before it would apply to men engaged in any other industry, and before it could even be amended in substance to apply to present housing problems.

Its mechanism, however, created an organization of prospective makers of

farm mortgages, roughly parallel to the local building and loan association, which overcame the economic isolation of the rural borrower and permitted the accumulation of inconsiderable mortgages into bond issues of desirable proportions. It created as fiscal agents, Federal Land Banks uniform throughout the United States and Alaska, whose function was to receive farm mortgages and issue bonds against them. These banks were empowered to act as depositories of public money and financial agents for the United States Government, and their capital, income and reserve were exempt from taxation. The bonds they issued were also exempt from taxation and were declared to be lawful investment for trust funds, and banks of the Federal Reserve System were given qualified permission to invest in them, thus securing them a market.

The Home Loan Act is designed to aid in financing the construction of homes and to help those who have put in their period of probation and accumulated their "down payment" to begin the construction of their homes at once. And although it does this by providing for associations doing a building and loan business, a market for their assets similar to that provided for farm mortgages under the Farm Loan Act, the incongruity of combining these two subjects in one bill is manifest.

The bill introduced by Senator Calder omits reference to two pertinent sections of the Farm Loan Act. The first is Section 15, providing for the making of loans directly through agents of the Federal Land Bank without the organization of a farm loan association, in localities where no National Farm Loan Association has been formed. A similar provision in the Home Loan Act would extend the benefits of its provisions to those communities where no building association exists.

The second section is Section 16, creating Joint Stock Land Banks, or banks formed by natural persons to carry on the business of lending on farm mortgage security and issuing Farm Loan bonds. Parallel activity under the Home Loan Act largely would cover dealing in mortgages on homes by savings banks, trust companies, and mortgage associations, and tend to draw money back into the real estate field by rendering its securities liquid.

As has been stated, there is no reason why the Calder bill should not be amended to include such features as are shown, by investigation, to be in the best interest of the country. As a matter of fact the building and loan interests, which had a hand in drafting the original bill introduced by Senator Calder, by a special committee are re-drafting

the bill and may ask the New York Senator to substitute the new for the old draft.

The fundamentals of the original bill have not been changed and whatever features are added, it is the opinion of those familiar with the field that these fundamentals ought not to be changed.

Mr. E. L. Keesler, President of the U. S. League of Building and Loan Associations, in commenting on the proposed bill, recently said:

"This measure is just because it will provide means for accommodating a very large class of our people who have been absolutely overlooked in all legislation hitherto enacted. Commercial interests are wisely provided for by the Reserve Bank. The Farm Loan Bank meets the agricultural needs, as it should, but, in so far as the Government is concerned, the mechanic, laborer, lawyer, minister, manufacturer, clerk or bookkeeper—in a word the town man—'must paddle his own canoe or drown.' The two great acts mentioned, with all their wonderful power for good, in that they omit the city or village man, are class legislation. The taxpayers and laborers in town have a just kick and will no longer take the medicine."

"This measure is needful, because in normal times the supply of money is totally inadequate for the demands of home construction and, in periods of abnormal demand for housing as now exists in many parts of the country, the situation is very greatly aggravated.

"It is needful because the present financial status of building and loan securities, consisting of first mortgages on the choice real estate of the land, is ludicrous. Country, municipal or school bonds secure funds, at times, at, say 4 to 4½ per cent., while the best securities on earth lie dormant in our vaults simply because there is no machinery for offering them for money, though the demand is imperative. The cry for funds to build homes is one that must and will be heard. Think of it, with millions of values at our command and having to borrow money at the HIGHEST instead of the LOWEST rates of interest! It is almost beyond belief that our government, interested as it should be, in the advancement and prosperity of its humblest citizen, should, for all these years, tolerate such an absurdity."—*American Contractor*.

\* \* \*

#### THE VALUE OF UP-TO-DATE EQUIPMENT.

An automatic dump truck not only saves money, but is a good advertisement for its owner. The builder who employs up-to-date equipment, inspires confidence in his ability to do a job quickly and well.—*Exchange*.



## PREVENTING DAMAGE BY WHITE ANTS

Unless checked they may cause serious injury to wood products and growing vegetation

Unless proper care is taken to make buildings white-ant proof, and to eliminate these ants from buildings already established, the insects may cause serious damage, especially in the Southern States, say entomologists of the United States Department of Agriculture in Farmers' Bulletin 1037, just published by the department.

White ants, or termites, are essentially wood destroyers, says the bulletin, and live in nests in the wood of dead trees, decaying logs or stumps in the forest; in the foundation timbers of buildings, fences, and other structures of wood in contact with the ground; or in a labyrinth of underground passages in the earth usually underneath wood or vegetation. An average colony contains several thousand individuals, but owing to their subterranean habits they frequently carry on their work unnoticed and it is sometimes very difficult to destroy them once they get established in a building.

### DESTRUCTIVE WORKERS RARELY SEEN.

Though colonies are made up of both wingless and winged individuals, the grayish white, soft-bodied, wingless workers are the destructive form. These workers make the excavations and live underground, shun the light and are therefore rarely seen. Always coming up through underground passages, they work in the interior of the wood, and leave intact a protective outer shell, so that the damage is often unsuspected until beyond repair. They gain entrance to buildings through wood which comes in contact with the ground. Flooring and other stationary woodwork and furniture frequently become infested when the wooden beams are laid directly on the earth or in moist concrete and are often reduced to more shells, the interior being completely honeycombed. Always the ants prefer to work in dark, warm, moist places.

White ants occasionally injure large trees and shrubs. In Florida they have done notable damage to newly planted groves of orange trees, having eaten the bark about the collar and roots and completely girdled the trees. Similar damage has been recorded to other fruit and nut trees, especially in the Southern States. In the South also these ants occasionally injure the stems and roots of a great variety of grain and truck crops. Injury to corn in the prairie region of Kansas has resulted from the early presence of the insects in enormous quantities in heavily sodded soil where they feed on the roots of the vegetation. There are

numerous records of ant injury to young fruit and nut tree seedlings in nurseries and to other nursery stock, and to young trees planted in recently cleared ground or soil rich in humus. The ants also injure a variety of shrubs, weeds, and flowers in gardens as well as in greenhouses.

### PROTECTING WOODWORK IN BUILDINGS.

Since white ants are difficult to eliminate from the woodwork of a building when once established, every precaution should be taken to prevent their gaining entrance. Where possible, foundations of buildings should be entirely of stone, brick, or concrete, including stone columns of pillars in the basement to support the floor above. Make the floors and walls in the basement or cellar of concrete and lay the floors on a gravel base. Where stone or concrete foundations are impracticable, use timber impregnated with coal-tar creosote.

Lay basement window sills and frames over concrete and do not allow the woodwork to come in contact with the ground. Never sink untreated timber in the ground or in moist concrete. No wood should be in contact with the ground. Completely dryness of the foundation and basement walls is an important means of rendering buildings safe from attack; therefore, provide for air spaces between the ground and wooden flooring, and see that the basement floors are well drained.

### ELIMINATING ANTS FROM BUILDINGS.

If white ants gain access to buildings, examine the foundation timbers and other woodwork in the basement and determine the point of entrance. After removing the damaged wood, drench the ground with kerosene oil, then replace damaged timber with rock, brick, concrete, or metal work, or if timber must be used, see that it is treated with coal-tar creosote. Since ants always require access to damp earth, shut off this source of moisture and the insects will not be able to extend their work further and will perish.

\* \* \*

## ARCHITECTURAL SCALE MODELS

Berthold V. Gerow

About five years ago an article reviewing the annual exhibit of the N. Y. Architectural League, appeared in one of the Eastern architectural magazines. The writer, in the course of describing the work of different architects and artists on exhibition, said: "A feature, although but little accented, is the scale model, shown by several examples in this gallery. There can be no doubt that the laity will be better able to understand the appeal of a work of architecture when presented in this form, and it is hoped that there are more scale models in fu-

ture exhibitions. It is significant of the interest they create that visitors tarry longer in their examination of models than in the other architectural exhibits."

Five years ago a scale model was something of a novelty, but today it is recognized as one of the necessary adjuncts to the architectural profession. This is proven by the fact that scale models are very rapidly supplanting perspectives and rendered sketches as a means of portrayal and presentation.

There are several reasons for this—the principal ones are that to the architect they offer for all purposes a method of study that is unsurpassed. By their means the most intricate problems in architectural design may be easily and accurately worked out. Any weakness or defects in the design can then be quickly perceived and corrected, thus obviating the making of numerous unnecessary sketches.

Furthermore a scale model is the only medium (outside of the actual construction of the building itself) by which the third dimension can be accurately studied.

In most cases, however, it is to the client that the model renders the greatest service, for by studying the floor plans, etc., in conjunction with the model, he is able to see how his building will actually appear when completed.

Although most architects now recognize the value of the scale model and many of the larger architects employ a model maker in their offices continuously, it has been the writer's experience that a great many architects still labor under the impression that only where the proposed structure is to be of a very considerable cost and the architect's commission proportionately large, are they justified in having a model executed.

Models executed by the writer during the past year for architects were prepared for many and varied purposes such as exhibition, study, competition and presentation; in no case did the cost of the model exceed one-half of one per cent. of the cost of the finished structure and in most cases it was nearer one-fourth of one per cent.

While this rule may be applied to structures costing from ten to twenty thousand dollars or more it will not apply to buildings costing less. However, it is very seldom that even a perspective is justified on buildings costing less than ten thousand dollars.—*Architect Engineer.*

To be poor in a wealthy country, to be sick in a good climate, to be inefficient among a progressive people, is a sign of unwise educational methods. Such people were not taught to battle with the world or meet life's emergencies.—Thoreau.



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Residence, Queen Lane Manor, Philadelphia.** Architects, Hawley & Hawley, Midvale avenue and Stokley street. Owner, Mrs. J. H. Ahrens, 3001 North Sixteenth street. Stone, 1½ stories, 30x45 feet, slate roof, oak and pine floors, stone foundations, hot air heat, electric light, tile work. Plans in progress.

**Church (alts.),** Bainbridge below Eighteenth street, Philadelphia, \$10,000. Architect, C. Henry Wilson, 1928 South College avenue. Owner, Holy Trinity Baptist Church, care of Rev. Robert W. F. Graham, 1631 Christian street. Interior alterations, maple floors, hot water heat, electric light, cabinet work, expanded metal lath, rolling iron partitions, spiral iron stairs, leaded glass, metal ceilings, cement work, dressing booths, etc. Architect ready for bids.

**Residences and Garages (9), Store and Residence (1),** Windrim avenue and Warnock street. Architect, Reuben Beard, Liberty Building, Philadelphia. Owner, Philip Eobin, 216 North Eleventh street. Tapestry brick, 2 stories, garages in basements, slag roof, oak and cement floors, stone foundations, hot water heat, electric light, tile work. Owner is ready for sub-bids.

**Residence (alt. and add.),** 1837 North Thirty-third street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Harry M. Miller, Commonwealth Building, Philadelphia. Brick, 3 stories, 6x17 feet, slag roof, stone foundations, heating extension, electric lighting, tile and marble work, pine and oak floors, metal lath, iron work. Architect taking bids due July 24th. Joseph F. Myers & Co., 2137 Ridge avenue; F. B. Davis, 240 North Sixteenth street; F. I. Wintz, 1618 Twenty-seventh street; Smith-Hardican Co., 1606 Cherry street; Hogg Const. Co., Denckla Building, and E. E. Hollenback, Inc., 1804 Brandywine street, are figuring.

**Auditorium,** Washington lane and Germantown avenue. Architect, Walter F. Price, 136 South Fourth street, Philadelphia. Owner, Women's Club of Germantown, on premises. Brick, 2 stories, 56x132 feet, slag roof, pine floors, stone foundations, hot water heat, electric light, tile work. Architect has received bids.

**Dwellings (6),** Seventy-fourth avenue, East Limekiln Pike, Philadelphia, \$60,000. Architect, private plans. Owner, C. Alex. Mahon, Sr., 6719 North Fifteenth street, Philadelphia. Brick, 2 stories, 16x52 feet, hot water heat. Owner will build.

**Dwellings (12),** Franklin street, North of Rockland street, Philadelphia, \$36,000. Architect, private plans. Owner, C. Kirby, 312 West Seymour street, Philadelphia. Brick, 2 stories, 16x32 feet, slag roof, hot water heat. Owner will build.

**Dwellings and Garages (24),** Fifty-third street, Florence avenue to Warrington avenue, \$138,000. Architect, private plans. Owner, Charles E. Bidle, 1105 Real Estate Trust

Building, Philadelphia. Brick, 2 stories, 16x42 feet, 15 feet 2 inches x30 feet 3 inches, 12 feet 2 inches x11 feet 10 inches, slag roof, hot water heat. Owner will build.

**Garage and add. to Office,** Upsal Station, Germantown. Architect, private plans. Owner, Isaac Nicholson, Upsal Station, Germantown. Brick and frame, 1 story, 22x24 feet, garage 19x57 feet, slate and slag roof, cement and pine floors, stone foundations, steam heat, electric light. Owner taking bid from Barclay White Co., 1713 Sansom street, who is taking sub-bids due as soon as possible.

**Schools (alts.),** various locations, Philadelphia. Architect, private plans. Owners, Board of Education, Nineteenth above Chestnut street. Carpentry, brick work, mill work, plastering, iron work, steel, cement work, painting, stone work. Owners taking bids due July 24th. Mitchell Bros., 2125 Race street; E. C. Durell, 1713 North Twenty-fourth street; Bowden Const. Co., 1713 Sansom street; Liberty Const. Co., Rusecomb and Fairhill streets, and G. Dobbins, 4202 Chester avenue, are figuring.

**Residence,** 6408 North Eleventh street, Philadelphia. Architect, Edwin L. Rothschild, 1011 Chestnut street, Philadelphia. Owner, Max Heller, care of architect. Brick and frame, 2½ stories, 28x36 feet, slate roof, oak floors, stone foundations, hot water heat, electric light, tile work. Architect taking bids due July 25th. E. E. Hollenback, Inc., 1804 Brandywine street, is figuring.

**Apartment House,** 5114 North Camac street, Philadelphia. Architect, Edwin L. Rothschild, 1011 Chestnut street, Philadelphia. Owner, Bertha G. Modell, care of architect. Brick, 3 stories, 28x36 feet, slag roof, oak floors, stone foundations, hot water heat, electric light, tile and marble work. Architect taking bids due July 25th. Philip Haibach Cont. Co., Twenty-sixth and Thompson streets, are figuring.

**Building,** No. 2, Keystone and Cottman streets, Philadelphia. Architect, private plans. Owner, L. H. Gilmer Co., Tacony, Pa. Brick, steel and plaster, 2 stories, 55x75 feet, slag roof, cement, concrete and maple floors, stone foundations, rolled steel sash, rolling steel shutters, iron work (heat and light reserved). Owner has received bids.

**Residences (8),** Mount Airy, Philadelphia. Architect, George S. Idell, 1705 Chestnut street, Philadelphia. Owner, name withheld. Stone, 2½ stories, 23x34 feet, slate roof, oak floors, stone foundations, hot water heat, electric light, tile work. Architect taking sub-bids.

**Garage (20 cars),** Beechwood and Medary streets, Philadelphia. Architect, private plans. Owner, John D. Schmid, 6314 Limekiln Pike, Philadelphia. Brick, 1 story, 50½x90 feet, slag roof, cement floor, electric light. Owner taking bids due soon as possible. Henry P. Schneider, 3713 Old York road; I. A. Dunkel-

berger, 71 East Herman street; Michael A. De Renze, 6139 North Woodstock street; Frank Knapton, 6240 North Norwood street, and William Dyer, care of owner, are figuring.

**Garage and alts. to Building,** 459-61 North Third street, Philadelphia. Architect, Herman H. Kline, 536 Mifflin street. Owner, Morris Sacks, on premises. Brick, 1 story, 40x87 feet, slag roof, cement floors, stone foundations (heat and light reserved). Owner has received bids.

**Stores (2), Apartments (4) and Garages (6),** Coulter and Tacoma streets, Philadelphia. Architect, private plans. Owner, I. D. Mullen, 216 North Twelfth street. Brick, 2 stories, 30x117 feet, slag roof, cement and pine floors, metal lath, stone foundations, hot water heat, electric light, flush bulks. Owner has received bids.

**Dwellings (10),** American and Clarkson streets, Philadelphia, \$32,200. Architect, private plans. Owner, C. A. Mayer, 221 West Olney avenue, Philadelphia. Brick, 2 stories, 15x48 feet, hot water heat. Owner will build.

**Dwellings (14),** Northeast Boulevard, Eighth to Ninth streets, \$112,000. Architect, private plans. Owner, R. R. Zane, 327 West Logan street, Philadelphia. Stone, 2 stories, 35x30½ feet, 19x59 feet and 17x44½ feet, 13 feet 9 inches x14 feet 4 inches, slag roof, hot water heat. Owner will build.

**Residence (alts. and add.),** 1114 Stratford avenue, Oak Lane. Architect, Andrew J. Sauer & Co., Denckla Building, Philadelphia. Owner, Edgar A. Weil, Esq., 2037 Spring Garden street, Philadelphia. Architect taking bids due July 24th at noon. D. J. McNamee, 1621 North Fifteenth street; Raith Const. Co., 304 Master street; E. Allen Reeves, Abington, Pa.; W. John Stevens, Inc., Wyncote, Pa., and Harry Murphy, Willow Grove, Pa., are figuring.

**Branch Office,** Broad and Rusecomb streets, Philadelphia. Architect, Arthur H. Brockie, 1713 Sansom street, Philadelphia. Owner, Germantown Trust Co., Germantown and Cheltenham avenues. Brick, stone and steel, 1 story, 24x53 feet, slag roof, maple floors, metal lath, stone foundations, vapor heat, electric light, marble and terrazzo work. Architect has received bids.

**Dwellings (4),** Gilham and Magee streets, West of J street, Philadelphia, \$24,000. Architect, private plans. Owner, John Y. T. Adair, 6900 Rising Sun avenue, Philadelphia. Brick, 2 stories, 14x41 feet, slag roof, hot water heat. Owner will build.

**Rendering Building,** Richmond below Ontario street, Philadelphia. Architects, Tunis & Genter, Real Estate Trust Building, Philadelphia. Owner, William H. Smith, 4252 Houghton street, Roxboro, Phila. Brick, 3 stories, slag roof, cement floors, stone foundations, electric light, waterproofing, ornamental iron work. Architects taking bids.



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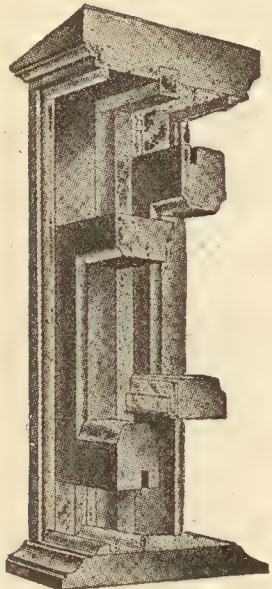
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Residence (alts.), 1311 Spruce street, Philadelphia. Architect, Mantle Fielding, 520 Walnut street, Philadelphia. Owner, name withheld. Changing partitions, electric work, plumbing, tile work. Architect ready for sub-bids.

Dwellings (7), Chew street, West of Seventh street, Philadelphia, \$31,500. Architect, private plans. Owner, Joseph B. Freidman, 2135 North Seventh street, Philadelphia. Brick, 2 stories, 18 feet 3 inches x33 feet, slag roof, hot water heat. Owner will build.

Residences (12), Seventeenth and Pulaski avenue, Philadelphia. Architect, George B. Roth, Widener Building, Philadelphia. Owner, Fidelity Realty Co., 133 South Twelfth street, Philadelphia. Brick, 2 stories, 18x80 feet, slag roof, oak floors, tile work, hot water heating, electric lighting. Owners are ready for sub-bids.

Dwelling, Sydenham street, North of Lindley avenue, Philadelphia, \$6,000. Architect, private plans. Owner, Herbert H. Downsborough, 3342 North Sixteenth street, Philadelphia. Brick, 2 stories, 15 feet 10 inches x30 feet, 12x13½ feet. Owner will build.

Dwellings (35), Sixty-sixth avenue and Woodstock street, North of Stenton avenue, Philadelphia, \$158,500. Architect, private plans. Owner, Wm. H. Liebrich, 2840 Ridge avenue, Philadelphia. Brick, 2 stories, 15½x40 feet, 14 feet 10 inches x30 feet, 11 feet 10 inches x14 feet, 14 feet 9 inches x30 feet, 11 feet 9 inches x10 feet, slag roof, hot water heat. Owner will build.

Garage, Thirty-third and Columbia avenue, Philadelphia. Architect, Andrew J. Sauer & Co., Denekla Building, Philadelphia. Owner, S. Lieberman, 1913 North Thirty-third street, Philadelphia. Brick, 1 story, 95x110 feet, 24x43 feet, slag roof, cement floors, stone foundations, steam heat, electric light. Architects have received bids.

Residence, Germantown, Philadelphia. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owner, Robert Shoemaker, care of architects. Stone, 2½ stories, 30x45 feet, slate roof, oak floors, electric light, tile work. Plans in progress.

Factory (alt. and add.), 1732 North Hancock street, Philadelphia. Architect, private plans. Owner, Kelly Hughes Co., on premises. Brick, third story add., 52x107 feet,

wing 40x52 feet, slag roof, pine floors, hollow metal skylights. Owners taking bids due as soon as possible. Smith-Hardican Co., 1606 Cherry street, is figuring.

Storehouse, Southwest Corner Front and Wharton streets, Philadelphia. Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, name withheld. Reinforced concrete, 2 stories, 38x100 feet, slag roof, cement and maple floors, (1) elevator, steam heat, electric light, plumbing, fenestra sash, hollow metal skylights. Ready for bids in a few days.

Club House (add.), 1221 Locust street, Philadelphia. Architect, William Woodburn Potter, Real Estate Trust Building, Philadelphia. Owner, Princeton Club of Philadelphia, 1223 Locust street, Philadelphia. General interior alterations, hardwood floors, plumbing, electric lighting, tile work, fire tower. Plans in progress.

Bank (alts.), Point Breeze avenue and Wharton street. Architects, Robert W. Pollock and Harry R. Rust, 1802 Chestnut street. Owners, Roosevelt Bank, on premises. Architects have received bids.

Building (general repairs), 611-13 Callowhill street. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Confectioners' Specialty Co., on premises. Brick, 4 stories, general repairs to interior. Architects taking revised bids due July 28th. Thomas C. Trafford, 1613 Sansom street; F. L. Hoover & Son, 1023 Cherry street; A. R. Raff Cont. Co., 1635 Thompson street; Ketcham & McQuade, 1029 Brown street; F. B. Davis, 240 North Sixteenth street, and Potts Bros. & Cooperson, 129 North Eleventh street, are figuring.

Dwellings and Garages (2), Tabor road, West of Fairhill street, \$13,600. Architect, private plans. Owner, A. Steinhauer, 5422 North Fifth street, Philadelphia. Brick, 3 stories and 1 story, 16x40 feet 9 inches, 16x12 feet and 9 feet 10 inches x19 feet. Owner will build.

Saloon (alts.) to Store, 818 North Tenth street, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, V. Fiedler, on premises. Electric lighting, steam heat, tile and marble work, cabinet work, metal ceilings, flush bulks, copper work. Owner taking bids.

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**Residence (alts.) to Store and Apartments**, 1233 South Broad street, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, J. Davies, 707 Reed street, Philadelphia. New front add., 3 stories, 18x20 feet, brick, structural steel, slag roof, pine and reinforced concrete floors, hot water heat, electric light, tile work, flush bulks. Owner taking bids.

**Residences (12) and Stores and Residence**, South side of Rockland, between Seventh and Eighth streets, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, H. Wolf, 2330 South Mildred street. Brick, 2 stories, (12) 16x48 feet, (4) 19x48 feet, slag and slate roof, oak floors, cement work, stone foundations, hot water heat, electric light, tile work metal bulks. Owner is taking sub-bids.

**Bank Building (alts.)**, Broad and Loudon streets, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, Chelton Trust Co., 5614 Germantown avenue. Architect taking bids due July 31st. F. Elvidge & Son, 5522 Germantown avenue; Pringle Borthwick, 8018 Germantown avenue; H. E. Baton, 1713 Sansom street; A. R. Raff Cont. Co., 1635 Thompson street; W. John Stevens, Inc., Wynecote, Pa.; F. L. Hoover & Son, 1023 Cherry street; H. H. Burrell, 206 South Quince street; F. W. Van Loon, Denekla Building, and William J. Gruhler & Co., 219 High street, are figuring.

**Hospital (alts.)**, Second and Luzerne streets, Philadelphia. Architect, private plans. Owners, City of Philadelphia, Department of Health and Charities, 584 City Hall. (2) new bathrooms, tile and marble work, plumbing, painting, etc. Owners have received bids.

**Home Buildings (alt. and add.)**, Forty-ninth and Wyalusing avenue, Philadelphia. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owner, St. John's Roman Catholic Home, care of Rev. William Dougherty, Eighteenth and Race streets. Brick, stone and steel, tin roof, hemlock and composition floors, stone foundations, tile work, metal window guards, metal ceilings, iron stairs, mill work, painting, glazing, plastering. Architect taking bids due July 29th from William R. Dougherty, 1610 Sansom street; Melody & Keating, 1322 Race street, and Thomas Whelan, 214 South Forty-ninth street, are figuring.

**Residences (44)**, Fifty-fourth and Susquehanna avenue, Philadelphia. Architect, E. Allen Wilson, 1218 Chestnut street, Philadelphia. Owner, Daniel E. Hogan, Sixty-first and Columbia avenue, Philadelphia. Stone and brick, 2½ stories, 16x68 feet, slate and slag roof, oak floors, cement work, hot water heat, electric light, tile and marble work. Owner is taking sub-bids.

**Bank Building**, Broad and Loudon streets, Logan, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Own-

ers, Chelton Trust Co., 5614 Germantown avenue. Brick, stone and terra cotta, 1 story and mezzanine, 33x90 feet, slag roof, pine and composition floors, stone foundations, steam heat, electric light, marble work, metal lath. Architects taking bids, due July 31st.

**Factory Building**, Frankford and Girard avenue, Philadelphia. Architect, private plans. Owner's name withheld. Brick, 4 stories, 60x180 feet, slag roof, pine floors, concrete foundations, electric light, hot water heat, rolled steel sash and skylights, elevators, iron work. Bowden Const. Co., 1713 Sansom street, Philadelphia, is taking sub-bids, due as soon as possible.

**Bank Building (branch)**, Broad and Oak Lane avenue, Philadelphia. Architect, private plans. Owners, Jenkintown Trust Co., care of Henry K. Walt, president, Jenkintown, Pa. Granite and brick, 2 stories, 90x32x10 feet, reinforced slag roof, tile and marble work, electric light, bronze work. Owners will take bids in about three weeks.

**Residences (24)**, Fifty-ninth and Jefferson streets, Philadelphia. Architect, E. Allen Wilson, 1218 Chestnut street, Philadelphia. Owners, George C. Allen & Henry S. Reed, 1429 Chestnut street, Philadelphia. Stone and brick, 2 stories, 16x47 feet, garages in basement, slag roof, oak floors, hot water heat, electric light, tile work. Owners taking sub-bids.

**Building (alts. and add.)**, 208 South Third street, Philadelphia. Architect, C. A. Ziegler, 1218 Chestnut street, Philadelphia. Owners, Homestead Farms Co., on premises. Brick, 3 stories, 10x15 feet, tin roof, pine floors, stone foundations, tile and marble work, hollow metal skylights (heating, plumbing and electric work reserved), iron work. Architect taking bids, due July 28th. Smith-Hardican Co., 1606 Cherry street; John Dear, 4544 Greene street; R. C. Ballinger & Co., 218 North Thirtieth street, and F. B. Davis, 240 North Sixteenth street, are figuring.

**Stores and Office Building (alts.)**, Fifteenth and South Penn Square, Philadelphia. Architect, private plans. Owner, C. Coleman, on premises. Lessee, A. Schulte, 386 Broadway, New York City. New fronts (4) and general alterations, metal lath, tile and marble work. Plans about completed.

**Residence (alts.)**, 232 South Twenty-second street, Philadelphia. Architects, Willing & Sims, 1627 Sansom street, Philadelphia. Owner, Mrs. Russell Thayer, 232 South Twenty-second street. Brick work, marble and tile work, cut stone, iron work, carpentry, oak floor, mill work, metal lath, plastering. Architects taking bids, due July 29th. J. M. Yardley, 1716 Sansom street, is figuring.

**Residence (alts.)**, 336 South Sixteenth st. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, John C. Hineckley, on premises. New windows on first floor

front, brick work, screens, painting, resetting gas fixtures. Architect taking bids, due July 25th. Smith-Hardican Co., 1606 Cherry street; Wm. R. Ferguson, 405 South Twenty-first street; Wills-Ludwick Co., 1708 Sansom street, and F. B. Davis, 240 North Sixteenth street, are figuring.

**Tunnel**, 1525 to 27 Chestnut street, Philadelphia. Architects, Simon & Simon, 249 S. Juniper street, Philadelphia. Owners, A. Pommerantz & Co., 1525 Chestnut street, Philadelphia. Brick work, steel and concrete, cement floors, metal lath, fire doors, plastering, painting, sheet metal, hardware, tunnel 8 feet wide. Architects taking bids, due as soon as possible. Lam Building Co., 1001 Wood street; J. H. Hinkle, Rising Sun Lane and Hutchinson street; Warren-Moore Co., Colonial Trust Building, and Ketcham & McQuade, 1029 Brown street, are figuring.

**Dwellings (2)**, Roosevelt Boulevard and Fillmore street, \$18,000. Architect, private plans. Owner, J. D. Fotheringham, 1000 Arrott street. Brick, 2 stories, 28x30 feet and 26x42 feet, slag roof, hot water heat, electric lighting, oak floors, tile work. Owner will build.

**Dwellings and Garages (8)**, north side of Roosevelt avenue, east of Front street, \$48,000. Architect, private plans. Owner, C. A. Schuler, 1342 Wagner avenue, Philadelphia. Brick, 2 stories, 16x49 feet, 1 story, 12x18 feet, slag roof, hot water heat, electric lighting, oak floors, cement work. Owner will build.

**Dwelling**, northwest corner of Third and Rockland streets, \$6,000. Architect, private plans. Owner, Carl Metz, 315 Rockland street. Brick, 3 stories, 20x46 feet, slag roof, hot water heat, electric light, tile work. Owner will build.

**Dwellings (2)**, northeast corner of Gaul and Westmoreland streets, \$5,000. Architect, private plans. Owner, Stanislaus Ozga, 2848 East Wishart street. Brick, 2 stories, 16x45 feet, slag roof, hot water heat, electric lighting. Owner will build.

**House of Correction (alts. and add.)**, Holmesburg, Philadelphia. Architect, Charles E. Oelschlager, 1615 Walnut street, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, City Hall, Philadelphia. Brick and stone. Architect will draw new plans and be ready for bids in about two weeks.

**Residence and Garage**, Sedgwick, Pa. Architects, Druckenmiller & Williams, 1527 Chestnut street, Philadelphia. Owner's name withheld. Stone, 2½ stories, 32x64 feet, and 1 story, 25x27 feet, slate roof, oak floors, cement work, vapor heat, electric lighting, tile work. Plans about completed.

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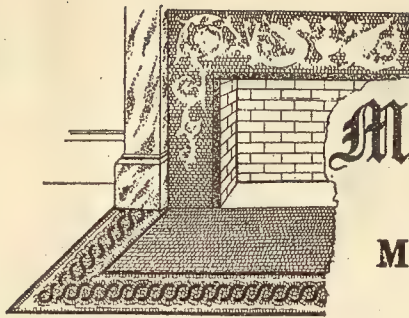
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**Contracts Awarded**

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Saloon (alts.) to (2) Stores, Southwest Corner Fourth and Girard avenue. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, L. Levin, 1230 South street, Philadelphia. Steam heat, electric light, tile and marble work, cabinet work, metal ceilings, flush bulks, copper work. Contract awarded to L. Swerdloff, 228 South Fifty-ninth street, Philadelphia.

Residence and 7) Garages, Knox street and Queen Lane, Germantown, \$15,000. Architect, Charles W. Gilmore, Godfrey and G streets, Olney, Philadelphia. Owner, name withheld. Brick and plaster, 3 and 2 stories, 16x52 feet and 22x60 feet, stone foundations, oak and cement floors, electric light, metal lath, tile work, iron work (roofing, heating and lighting fixtures reserved). Contract awarded to A. L. Fretz & Son, Heed Building, Philadelphia.

Rectory (add.), Seventeenth and Ritner streets, Philadelphia. Architects, Henon & Boyle, 10 South Eighteenth street, Philadelphia. Owner, St. Monica's Roman Catholic Church, care of Rev. John J. Walsh, on premises. Stone and brick, 2 stories, 11½x31 feet and 20x60 feet, slag roof, pine floors, electric light, tile and marble work (heating and plumbing reserved). Contract awarded to Daniel W. O'Dea, 4523 North Fifth street, Philadelphia.

Storage House (add.) and Garage, Thirty-eighth and Powelton avenue. Architects, Custer & Gill, Camden, N. J. Owner, Frederick Aaron, care of architects. Brick, 5 stories, 72x92 feet, and 1 story, 56x84 feet, slag roof, cement and reinforced concrete floors, electric lighting, steam heat, plumbing, elevator. Contract awarded to A. R. Raff Cont. Co., 1635 Thompson street.

Shop (add.), 629 South Forty-third street, Philadelphia, \$5,000. Architect, private plans. Owner, Adele C. Smith, Forty-first and Chester avenue, Philadelphia. Brick, 2 stories, 20x28 feet. Contract awarded to LeRoy B. Smith, 4007 Chester avenue, Philadelphia.

Garage, west side of Sydenham street, north

of Venango street, \$3,500. Architect, private plans. Owner, Peter Schumberick, 3622 North Fifth street, Philadelphia. Brick, slag roof, cement floors, electric light. Contract awarded to H. E. Sweger, 4435 North Ueber street, Philadelphia.

Office, Yocum street, east of Sixty-eighth street, Philadelphia, \$3,500. Architect, private plans. Owner, John H. Laird, 6618 Woodland avenue, Philadelphia. Brick, 1 story, 20x70 feet. Contract awarded to Wm. J. Erwin, 5927 Kingsessing avenue, Philadelphia.

Dwellings (2), Twentieth street, north of Cora street, Philadelphia, \$7,000. Architect, private plans. Owner, Wm. Clasissen, 6555 Limekiln Pike, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hot water heat. Contract awarded to John Ashton, Fifth and Fisher's avenue, Philadelphia.

Home (alts.), City avenue, west of Belmont avenue, Philadelphia, \$6,000. Architect, private plans. Owners, Presbyterian Home for the Aged, on premises. General alterations. Contract awarded to Matthew Schmid, 1308 North Sixth street, Philadelphia.

Dwellings (2), Woodbine avenue, west of Fifty-second street, Philadelphia, \$36,000. Architect, private plans. Owners, M. Noble & S. Null, 311 South Fifth street, Philadelphia. Hollow tile and stucco, 2 stories, 42x39 feet, 10x14 feet, 18x14 feet, slag roof, hot water heat. Contract awarded to J. Shenkman, 233 Duncannon street, Philadelphia.

Bank Building (remodeling and add.), 4356 Frankford avenue. Architects, Stearns & Woodnutt, Stephen Girard Building, Philadelphia. Owners, Second National Bank of Philadelphia, 4356 Frankford avenue. Cut stone, steel and marble, 45 feet high, 72x100 feet, J-M roof, marble floors (steam heat, electric work, plumbing, vault, separate bids), tile, marble and terrazzo work, vacuum cleaning system, millwork, hollow metal skylights, hollow tile, metal lath, caen stone, ornamental iron work, bronze work, flag pole. Contract awarded to A. R. Raff Cont. Co., 1635 Thompson street, Philadelphia.



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Department Jewelry Store (Aalts.), north-west corner Eighth and Chestnut streets, Philadelphia. Architects, Greisler Abramson Co., Lafayette Building, Philadelphia, \$30,000. Owner, I. Press, Eighth and Chestnut streets, Philadelphia. Brick and steel, 1 story, pine floors, hollow tile, concrete work, brick work, terra cotta, carpentry, hardware. Contract awarded to Ketcham & McQuade, 1029 Brown street, Philadelphia.

Dwellings (2) and Garage, Tyson and Jackson streets, Philadelphia, \$9,700. Architect, private plans. Owner, T. W. South, Longshore and Edmund streets, Philadelphia. Brick, 3 and 1 stories, 16 feet 4 inches x 44 feet and 25x20 feet. Contract awarded to J. Edward Mattis, 4412 Wingohocking street, Philadelphia.

Dwelling and Store (add.), 4058 Lancaster avenue, Philadelphia, \$3,000. Architect, private plans. Owner, Ernest A. Hegeman, on premises. Brick, third floor addition, 15x26 feet, 3x14 feet. Contract awarded to Warren E. Biscoe, 3954 Ludlow street, Philadelphia.

Store, south side of Parkway, west of Fifteenth street, Philadelphia, \$3,500. Architect, private plans. Owner, J. Walter Rosenberg, 1515 South Broad street, Philadelphia. Brick, 1 story, 15x9 feet. Contract awarded to Albert Zellfelder, 1515 North Broad street, Philadelphia.

Lodge Building (alts.), 1314 North Broad street, Philadelphia, \$3,786. Architect, Carl P. Berger, 1410 South Penn Square, Philadelphia. Owners, L. O. O. M., No. 54, John J. Ryan, secretary, 1314 North Broad street, Philadelphia. Interior alterations, new toilet facilities, ventilating, etc., steam heat, electric light, tile and marble work. Contract awarded to Hogg Const. Co., Denekla Building, Philadelphia.

Dwelling, Geneva street, east of Rising Sun avenue, Philadelphia, \$6,500. Architect, private plans. Owner, George B. Beitzel, 5319 Rising Sun avenue, Philadelphia. Frame and Brick, 2 stories, 32½x45 feet, electric light. Contract awarded to Alfred Steinhäuser, 5422 North Fifth street, Philadelphia.

Sales and Service Building, 3310-12 North Broad street, Philadelphia. Architect, LeRoy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, Charles Kahn, Morris Building, Philadelphia. Brick and concrete, 1 story, 36x90 feet, stone foundations, slag roof, cement floors, cement hardener, electric light, plumbing, metal lath, flush bulks (heating reserved). Contract awarded to D. Henwood, 1509 Wood street, Philadelphia.

Church (add.), northwest corner of Front and Queen streets, Philadelphia, \$3,000. Ar-

chitect, private plans. Owners, Seaman's Church Institute, on premises. Brick, 1 story, 13x13 feet, 9 inches. Contract awarded to Jacob Myers & Sons Co., 608 Witherspoon Building, Philadelphia.

Store and Dwelling (alts. and add.) to Store and Rooming House, 3329 Woodland avenue, Philadelphia, \$6,000. Architect, private plans. Owner, Mrs. J. A. Willard, on premises. Brick, 2 stories and 3 stories, 14x15½ feet, 14x13½ feet and 12x16 feet. Contract awarded to Duckworth & Harney, 537 Cooper street, Camden, N. J.

Dwelling, Bustleton avenue, north of Castor Road, \$4,000. Architect, private plans. Owner, George W. Biddle, on premises. Frame, 1 story, 28x34 feet, electric light. Contract awarded to Walter Freas, 9617 Banes street, Philadelphia.

Dwelling, northwest corner of Bustleton and Loney streets, Philadelphia, \$4,000. Architect, private plans. Owner, Chrissie J. Baum, on premises. Frame, 1 story, 28x32 feet. Contract awarded to Walter Freas, 9617 Banes street, Philadelphia.

Garage, north side of Windrim avenue, east of Eleventh street, \$8,997. Architect, private plans. Owner, Mr. Schuck, 5221 Warnock st., Philadelphia. Brick, 1 story, 46x88 feet, cement floors. Contract awarded to David Sterrett, 924 Duncannon street.

Garage, 6127 Oxford street, Philadelphia, \$1,500. Architect, H. Childs Hodgins, 130 S. Fifteenth street, Philadelphia. Owner, C. A. Freihofer, Twentieth and Indiana avenue, Philadelphia. Brick, 1 story, 21x22 feet (2 cars), asbestos roof, cement floors, stone foundations, electric light. Contract awarded to Ralph H. Hothersall, 931 West Erie avenue.

Factory, Twenty-fifth and Westmoreland streets, Philadelphia, \$39,000. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Rosenhau Corp., on premises. Brick, cut stone and steel, 1 story, 125x151 feet, slag roof, maple floors, metal lath, dampproofing (heat and electric light reserved), concrete foundations, tile and marble work, rolled steel sash and skylights, iron work. Contract awarded to Philip Haibach Cont. Co., Twenty-sixth and Thompson streets, Philadelphia.

Dwellings (9), Sentner and Godfrey streets, west of G streets and (1) Sentner street, east of G street, Philadelphia, \$37,000. Architect, private plans. Owners, P. J. Rankin, 1408 N. Second street, and Mr. Baruther, Third and

Wilbur avenue. Brick, 2 stories, 16x46 feet, 16x44 feet. Contract awarded to Schmitt Bros., 5700 Rising Sun avenue, Philadelphia.

Factory (alts.), 234-36 Queen street, Philadelphia, \$4,000. Architect, private plans. Owners, Queen Metal Co., on premises. Repair fire damage. Contract awarded to Ika Wolf, 335 Wolf street.

Pattern Shop, Spec. 3478, Navy Yard, Philadelphia, \$262,262. Owners, U. S. Government, Bureau of Yards and Docks, Navy Department, Washington, D. C. Concrete and steel, 3 stories, 105x230 feet; built up and slag roof, etc. Contract awarded to M. H. McCloskey, Jr., Inc., 1620 Thompson street, Philadelphia.

Bank Building (alts. and add.), 713 Chestnut street, Philadelphia. Architect, Adin B. Lacey, 1012 Walnut street, Philadelphia. Owners, Bank of Commerce, 713 Chestnut street, Philadelphia. Brick work, structural steel, mill work, carpentry, painting, plastering, hardware, 1 story, 18x25 feet, cork and tile floors, marble work. Contract awarded to H. E. Baton, 1713 Sansom street, Philadelphia.

Candy Kitchen and alts. to Building, 3526 Germantown avenue. Architect, Wm. H. Wooters, 816 West Allegheny avenue, Philadelphia. Brick and steel, 2 stories addition, 16x110 feet, slag roof, pine floors, stone foundations, rolled steel skylights, metal ceilings (electric work and heating reserved). Contract awarded to J. Y. Loux, 3731 Old York Road.

Stores and Office Building, west side of Fifty-second street, north of Girard avenue, \$15,000. Architect, private plans. Owner, Frank M. Ross, 136 South Fifty-second street, Philadelphia. Brick, 2 stories, 20x49 feet, slag roof, electric lighting, tile work, flush bulk, marble work, hardwood floors. Contract awarded to A. R. Raff Cont. Co., 1635 Thompson street.

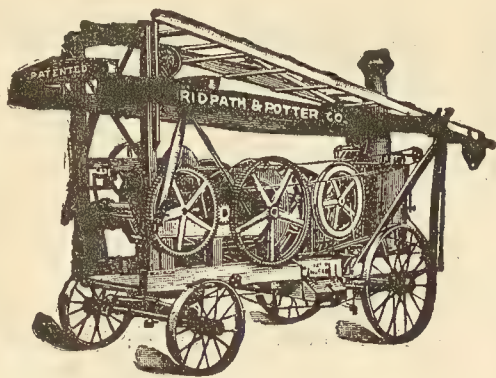
## Pennsylvania Construction News

Residence (alts. and add.), Merion, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, John Jacobs, Merion, Pa. Brick, 2½ stories, 12x16 feet, slate roof, pine floors, electric light, tile work (heat reserved). Architect taking revised bid from A. L. Fretz & Son, Heed Building, Philadelphia.

Residence (add.), Elkins Park, Pa. Architects, Karcher & Smith, 34 South Seventeenth street, Philadelphia. Owner, Hector W. Field-

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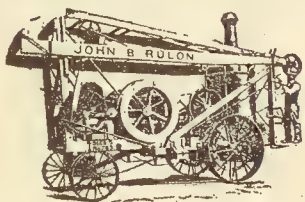
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en, Elkins Park, Pa. Hollow tile and stucco, 2 stories, 15x40 feet, tile roof, pine and oak floors, heating and lighting extension. Architects taking bids, due July 24th. Albert Zellfelder, 151 South Broad street, Philadelphia; Frank Carmen, Jenkintown, Pa., are figuring.

**Houses (2),** Longdale, Pa. Architect, private plans. Owner, H. H. Wehmeyer, 509 W. Cumberland street, Philadelphia. Brick, 2½ stories, 16x44 feet, stone foundations, shingle roof, oak floors, hot water heat, electric light, tile and marble work. Owner taking sub-bids.

**Stores and Apartment (alts. and add.),** 918 Penn street, Reading, Pa. Architect, H. Maurer, Mt. Penn, Reading, Pa. Owner, Constantine Mantes, 547 Penn street, Reading, Pa. Brick, 3 stories, 44x100 feet, stone foundations, tin roof, hardwood and yellow pine floors, steam heat, electric light, tile work, hollow metal skylights, roof ventilators, wire work, ornamental iron work. Architect taking bids, due July 26th. Beard Const. Co., Sharp Const. Co., D. H. Hunter, Charles Sehlegel, Reading, Pa., are figuring.

**School (alts. and add.),** Port Carbon, Pa. Architect, F. X. Reilly, Pottsville, Pa. Owner, D. A. Daly, St. Stephen's Church, Pottsville, Pa. Brick, 2½ stories, 72x48 feet, concrete

foundations, asbestos shingle roof, composition floors, electric light, structural steel work. Architect taking bids, due July 24th. Beard Const. Co., Reading, Pa., is figuring.

**Church (alts. and add.),** Schuylkill Haven, Pa. Architect, G. L. Gerhard, 619 Penn street, Reading, Pa. Owners, Grace United Evangelistic Church, care of H. G. Reed. Brick, 2 stories, 16x40 feet, tin roof, pine floors, electric light. Owner is taking sub-bids.

**Power House,** Carlisle, Pa. Architects, Lockwood Green Co., 101 Park avenue, New York City. Owners, C. H. Masland & Sons, Amber and Westmoreland sts., Phila. Concrete, brick and steel, 1 story, 30x94 feet, slag roof, cement floors, concrete foundations, rolled steel sash, iron work (electric light reserved). Architects taking bids, due July 23rd. Irwin & Leighton, 126 North Twelfth street; J. S. Rogers Co., Drexel Building; Warren-Moore Co., Colonial Trust, Philadelphia, are figuring.

**Residence,** Strafford, Pa. Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owner, Charles Winter Baily, Strafford, Pa. Stone, 2½ stories, 35x60 feet, slate roof, oak floors, electric light, tile work. Plans in progress.

**School,** Tamaqua, Pa., \$300,000. Architect, E. Z. Scholl, 136 Robeson street, Reading, Pa. Owners, School Board, Tamaqua, Pa. Preliminary plans in progress. Too early for details.

**Nurses' Home,** Pottsville, Pa. Architect, Frank X. Reilly, 112 S. Centre street, Pottsville, Pa. Owners, Pottsville Hospital, care of J. P. Jones, president, Pottsville, Pa. Brick, 3 stories 50x96 feet, stone foundations, composition floors, steam heat, electric light, tile work, metal lath, iron work. Architect has received bids.

**Garage,** North Fifth street, Reading, Pa., \$60,000. Architect, A. F. Smith, 1029 Penn street, Reading, Pa. Owners, Hudson Auto Co., care of Mr. Heydt, president, Washington street. Brick (fireproof), 3 stories, 61x130 feet, stone foundations, cement floors, electric light, rolled steel skylights. Preliminary plans in progress. Too early for details.

**Residence and Garage,** Drexel Heights, Pa. Architect, private plans. Owner, Edward V. Murphy, 1916 Parrish street, Philadelphia. Stone, 2 stories, 50x60 feet, 14x20 feet, shingle roof, oak and cement floors, stone foundations, hot water heat, electric light, tile work. Wm. F. Neuberry, Otis Building, Philadelphia, taking sub-bids.

**Storehouse,** Narberth, Pa. Architects, Chas. L. Hillman & Sons, 400 Chestnut street, Philadelphia. Owners, Penshurst Farms, Narberth, Pa. Hollow tile, 13½x42½ feet, reinforced concrete roof and foundations, rolled section skylights. Owners will build.

**Superintendent's House (add.),** Narberth, Pa. Architect, Charles L. Hillman & Son, 400

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Chestnut street, Philadelphia. Owners, Penshurst Farms, Narberth, Pa. Brick and plaster, 2 stories, 22x26½ feet, shingle roof, oak floors, concrete foundations, hot water heat extension, electric work, plumbing, tile work. Architects have received bids.

**Residences (16),** Narberth, Pa. Architects, Wallace & Warner, 1012 Walnut street, Philadelphia. Owner, A. C. Shand, Jr., Commercial Trust Building, Philadelphia. Stone, brick and stucco, 2½ stories, 27x29 feet, slate roof, oak floors, stone foundations, hot water heat, electric light, tile and marble work, iron work. A. C. Shand, owner, is taking sub-bids.

**Residences (11),** Narberth, Pa. Architects, D. K. Boyd, B. Abel & E. A. Gugert, Otis Building, Philadelphia. Owner, Wm. D. Smedley, Narberth, Pa. Stone, brick and stucco, 2½ stories. Plans in progress. Too early for details.

**Church,** Crestmont, Willow Grove, Pa. Architect, Henry P. Schneider, 3713 Old York Road, Philadelphia. Owners, First Baptist Church, care of Rev. W. C. Coleman, Crestmont, Pa. Brick, 1 story, 37x60 feet, slate roof, pine floors, steam heat, electric lighting. Architect taking sub-bids, due July 23rd.

**Residence (alts. and add.),** Haverford, Pa. Architect, private plans. Owner, E. P. Flannery, Haverford, Pa. Stone and plaster, 2½ stories, 29x33 feet, slate roof, oak floors, stone foundations, hot water heat, electric light, tile work, metal lath, iron work. John N. Gill & Co., Otis Building, taking sub-bids.

**Mill Building,** Shamokin, Pa. Architect, W. H. Lee, 32 South Seventeenth street, Philadelphia. Owners, Hewesco Silk Co., Shamokin, Pa. Brick and concrete, 2 stories, 52x90 feet, Carey roof, maple floors, stone foundations, roof ventilators, iron stairs and work (heat, lighting and plumbing reserved). Architect has received bids.

**Orphanage (add.),** Harrisburg, Pa. Architect, Paul A. Monaghan, 1218 Chestnut street, Philadelphia. Owners, Harrisburg Catholic Orphanage, care of Rt. Rev. Bishop P. R. McDevitt, Harrisburg, Pa. Brick, plaster, fireproof, 2 stories, 40x90 feet, slag roof, steam heat. Architect will be ready for bids in about two weeks.

**Residence and Garage,** Merion, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, E. J. Hedden, Finance Building, Philadelphia. Stone, 2½ stories, 28x50 feet, wing 22x41 feet, shingle roof, oak floors, cement work, hot water heating, electric lighting, tile and marble work. Owner is taking sub-bids.

**Residence and Garage,** Berwick Road and City avenue, Merion, Pa. Architect, Paul A. Monaghan, 1218 Chestnut street, Philadelphia. Owner, architect. Stone, 2½ stories. Plans in progress. Too early for details.

**Bungalow,** Edge Hill, Pa. Architect, private plans. Owner, Wm. Yeager, 4931 North

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Thirteenth street, Philadelphia. Frame, 1 story and basement, 30x48 feet, slate roof, oak floors, stone foundations, hot water heat, electric light. Owner has received bids.

**High School**, Bethlehem, Pa. Architect, Verus T. Ritter, North American Building, Philadelphia. Owners, Board of Education, Bethlehem, Pa. Lowest Bidder, Thos. Reilly, 1616 Thompson street, Philadelphia, \$856,296.

**School**, West Side, Bethlehem, Pa. Architect, Verus T. Ritter, North American Building, Philadelphia. Lowest bidder, H. E. Stoudt, Bethlehem, Pa., \$229,000.

**Residence**, Gettysburg, Pa. Architect, Frederick Muhlenberg, Flanders Building, Philadelphia. Owner, Dr. John Dickson, Gettysburg, Pa. Stone, 2½ stories, 50x50 feet, slate roof, oak floors, stone foundations, hot water heat, electric light, tile work. Plans in progress.

**Residence**, Penfield, Pa. Architect, J. Fletcher Street, 129 South Fifth street, Philadelphia. Owner, Wm. P. Brockerman, 6127 Walnut street, Philadelphia. Frame and stucco, 2½ stories, 30x50 feet, asbestos shingle roof, pine floors, stone foundations, hot water heat, electric light, tile work. Architect taking bids, due July 30th. F. B. Davis, 240 N. Sixteenth street; J. Sims Wilson Co., 1125 Brown street, Philadelphia; W. Harry Roberts, Llanerch, Pa., are figuring.

**Residence**, Elkins Park, Pa. Architect, J. Fletcher Street, 129 South Fifth street, Philadelphia. Owner, Edward McCoy, 5206 North Broad street, Philadelphia. Frame and stucco, 2½ stories, 27x35 feet, shingle roof, pine floors, hot water heat, electric light, tile work. Owner will take bids.

**Church**, Collegeville, Pa. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, St. Clare's R. C. Church, care of Rev. Wm. A. Buessner, Collegeville. Stone, 1 story, 38x97 feet, stone foundations, slate roof, yellow pine floors (plumbing, heating, electric work, leaded glass, altar rail and vestment lockers reserved). Revised plans completed.

**Bridge**, R-127, York Township, Pa. Archi-

tect, private plans. Owners, State of Pennsylvania, care of Lewis S. Sadler, State Highway Commission, Harrisburg, Pa. Steel and concrete, 144 feet long and 25½ feet wide, additional repairs to present abutments. Owners taking bids, due July 29th at 10 A. M.

**Bridge**, R-9, Lackawanna, Trail, Nickolson Township and Nicholson Borough, Pennsylvania. Architect, private plans. Owners, State of Pennsylvania, care of Lewis S. Sadler, State Highway Commission, Harrisburg, Pa. Steel, triple span, reinforced concrete, 135 feet long and 26 feet wide, additions and repairs to present piers and abutments. Owners taking bids, due July 29th at 10 A. M.

**Road Work**, various locations, Pennsylvania. Owners, State of Pennsylvania, care of Lewis S. Sadler, State Highway Commission, Harrisburg, Pa. Bids due July 29th at 10 A. M.

Adams Co., Route R 14, Butler Township. Length, 23,246 feet. One course reinforced concrete and hillside vitrified brick. Certified check \$4,000.

Adams Co., Route R 123, Tyrone and Strabane Townships. Length, 13,733 feet. One course reinforced concrete. Certified check \$2,000.

Beaver Co., Routes A 122 and A 124, Eastvale Borough and North Sewickley Township. Length, 14,481 feet. Reinforced concrete. Certified check \$2,500.

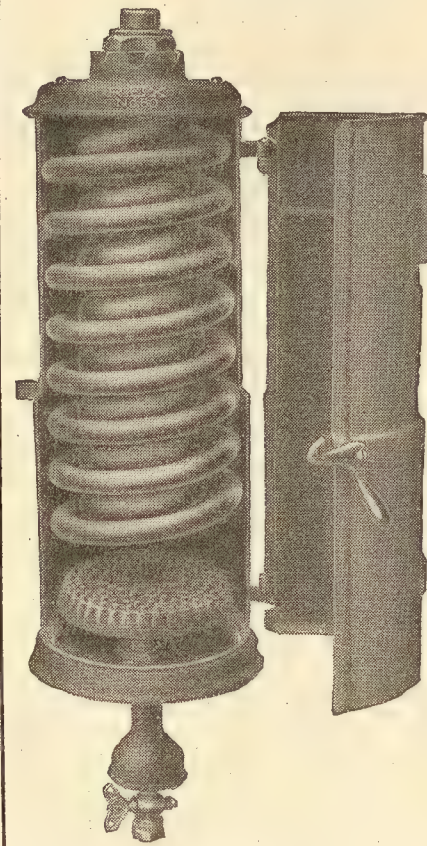
Bradford Co., Route R 287, Athens, Sayre and South Waverly Boroughs. Length, 15,207 feet. Vitrified brick on a concrete foundation and bit. surface course on a concrete foundation. Certified check \$3,500.

Chester Co., Routes A 557 and A 558, Franklin and New London Townships. Length, 21,619 feet. Bit. macadam surface course (penetration method) on a Telford foundation. Certified check \$3,000.

Chester Co., Routes A 136 and A 439, East and West Marlboro Townships. Length, 10,509 feet. Bit. macadam surface course (penetration method) on a Telford foundation. Certified check \$2,000.

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The Best  
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Tredyffrin, Eastown and Radnor Townships. Length, 46,815 feet. Resurfacing, bit. mixtures on a prepared broken stone base. Certified check \$4,000.

Crawford Co., Route R 89, East Mead Township. Length, 18,640 feet. One course reinforced concrete and hillside vitrified brick. Certified check \$3,000.

Crawford Co., Route R 82, Vernon Township. Length, 18,619 feet. One course reinforced concrete and hillside vitrified brick or two course reinforced concrete and hillside vitrified brick. Certified check \$3,000.

Erie Co., Route R 86, Girard Township and East Springfield Borough. Length, 20,400 feet. Either bit. surface course on a concrete foundation and hillside vitrified brick, or one course reinforced concrete and hillside vitrified brick. Certified check of \$4,000.

Erie Co., Route R 86, Mill Creek Township. Length, 21,120 feet. Either bit. surface course on a concrete foundation or one course reinforced concrete. Certified check \$4,000.

Erie Co., Route R 304, Northeast Township. Length, 7,900 feet. Either bit. surface course on a concrete foundation or one course reinforced concrete. Certified check \$1,500.

Fayette Co., Route R 112, Menallen Township. Length, 19,918 feet. Vitrified brick pavement on a concrete foundation. Certified check \$3,500.

Jefferson Co., Route R 60, Pine Creek Township. Length, 25,872 feet. One course reinforced concrete and hillside brick. Certified check \$4,000.

Lawrence Co., Route R 81, Union and Mahoning Townships. Length, 29,628 feet. One course reinforced concrete and hillside vitrified brick or two course reinforced concrete and hillside brick. Certified check \$4,000.

Mifflin Co., Route R 29, Armaugh Township. Length, 24,049 feet. Either bit. surface course on a concrete foundation and hillside vitrified brick or one course reinforced con-

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crete and hillside vitrified brick. Certified check \$4,000.

Montgomery Co., Route R 178, East Norriton Township. Length, 5,575 feet. Either bit. surface course on concrete foundation or one course reinforced concrete. Certified check \$1,000.

Montgomery and Bucks Cos., Route R 178, Montgomery and New Britain Townships. Length, 15,898. Either bit. surface course on a concrete foundation or one course reinforced concrete. Certified check \$3,000.

Montgomery Co., Route R 153, Springfield, White Marsh, Upper Dublin and Lower Gwynedd Townships. Length, 37,723 feet. Either bit. surface course on a concrete foundation and hillside vitrified brick or one course reinforced concrete and hillside vitrified brick. Certified check \$4,000.

Schuylkill Co., Route R 161, New Castle, Blythe, Ryan and West Mahoning Townships. Length, 22,435 feet. One course reinforced concrete. Certified check \$4,000.

Snyder and Juniata Cos., Routes R 195 and R 299, Susquehanna and Chapman Townships. Length, 25,737 feet. Either bit. surface course on a concrete foundation or one course reinforced concrete. Certified check \$4,000.

Venango Co., Route R 91, Sugar Creek Township. Length, 14,000 feet. One course reinforced concrete. Certified check \$3,000.

Westmoreland Co., Route R 68, Derry Township. Length, 32,047 feet. One course reinforced concrete and hillside bit. brick. Certified check \$4,000.

Deposit of \$2.50 required.

**Residence**, Springfield, Pa. Architect, private plans. Owner, J. G. Roberts, 1029 Hollbore Terrace, Philadelphia. Stucco and stone, 2½ stories, 28x36 feet, asbestos shingle roof, oak floor, stone foundations, pipeless heater, electric light, tile work. Owner is ready for bids. Phone, Market 174.

**Residence**, Jenkintown, Pa., \$30,000. Architect, E. Allen Wilson, 1218 Chestnut street, Philadelphia. Owner, Meyer Bayuk, The Touraine, Philadelphia. Stone, slate roof, oak floors, hot water heat, electric lighting, tile and marble work. Plans in progress.

**Road Work**, various locations, Pennsylvania. Owner, State of Pennsylvania, care of Lewis S. Sadler, State Highway Commissioner Harrisburg, Pa. Ready for bids due August 5th, at 10 A. M.

Beaver Co., Route A 204 and A 455, Pulaski and Daugherty Townships. Length, 6,788 feet. One course reinforced concrete. Certified check \$1,000.

Bedford Co., Route R 286, Woodbury Borough. Length, 2,414 feet. One course reinforced concrete. Certified check \$500.

Cambria Co., Route R 276, Croyle Township. Length, 6,634 feet. One course reinforced concrete and Hillside vitrified brick. Certified check \$1,500.

Centre Co., Route R 57, Rush Township. Length, 12,355 feet. Either one course reinforced concrete or bit. surfacer course on a concrete foundation. Certified check \$1,500.

Clearfield Co., Route R 59, Lawrence and Pike Townships. Length, 17,977 feet. One course reinforced concrete. Certified check \$3,000.

Clearfield Co., Route R 59, Brady Township. Length, 8,118 feet. One course reinforced concrete and Hillside vitrified brick. Certified check \$1,500.

Clearfield Co., Route R 57, Chester Hill Borough. Length, 4,333 feet. One course reinforced concrete. Certified check \$1,000.

Clearfield Co., Route R 60, Sandy Township. Length, 13,027 feet. One course reinforced concrete and Hillside vitrified brick. Certified check \$2,000.

Erie Co., Route R 87, Northeast Township. Length, 18,940 feet. Either bit. surface course on a concrete foundation or one course reinforced concrete. Certified check \$4,000.

Fayette Co., Route R 247, Dunbar Township. Length, 5,950 feet. One course reinforced concrete and Hillside vitrified brick. Certified check \$1,000.

Indiana Co., Route R 54, 63, 67, Indiana Borough. Length, 8,188 feet. One course reinforced concrete. Certified check \$1,500.

Indiana Co., Route A 694, Blairsville Borough. Length, 3,812 feet. One course reinforced concrete. Certified check \$1,000.

Lackawanna Co., Route R 168, Elmhurst Borough. Length, 7,538 feet. Bit. surface on a concrete foundation. Certified check \$1,500.

Lycoming Co., Route R 240, R 19, Muncy, Creek and Wolf Townships, Muncy and Hughesville Borough. Length, 24,226 feet. Either bit. surface course on a concrete foundation or one course reinforced concrete. Certified check \$4,000.

Lycoming Co., Route R 23, Piatt and Porter Townships and Jersey Shore Borough. Length, 13,284 feet. Either bit. surface course on a concrete foundation or one course reinforced concrete. Certified check \$3,500.

Northampton Co., Route R 166, Plainfield Township. Length, 29,182 feet. One course reinforced concrete. Certified check \$4,000.

Perry and Dauphin Cos., Route R 195, Buffalo and North Buffalo Boroughs and Watts and Reed Townships. Length, 41,753 feet. Either bit. surface course on a concrete foundation or one course reinforced concrete. Certified check \$4,000.

Northampton Co., Route R 297, Bethlehem and Lower Nazareth Townships. Length, 25,655 feet. Resurfacing bit. mixtures on a prepared broken stone base. Certified check \$3,000.

Susquehanna Co., Hopbottom Borough, Lathrop, Lenox, Harford and New Milford Townships. Length, 53,806 feet. Either bit. surface course on a concrete foundation or one course reinforced concrete. Certified check \$4,000.

Union Co., Route R 27, Lewis Township. Length, 11,484 feet. One course reinforced concrete. Certified check \$1,500.

Washington Co., Route R 108, Canonsburg Borough. Length, 1,106 feet. Vitrified brick. Certified check \$500.

Washington Co., Route R 268, East Bethlehem Township. Length, 9,480 feet. One course reinforced and Hillside vitrified brick. Certified check \$1,500.

Westmoreland Co., Route R 117, Hampfield Township. Length, 12,065 feet. One course reinforced concrete and Hillside vitrified brick. Check \$2,000.

Westmoreland Co., Route A 527, North Huntingdon Township. Length, 7,484 feet. One course reinforced concrete. Certified check \$1,500.

## Pennsylvania Contracts Awarded

**Residence**, Drexel Hill, Pa. Architects, Seeburger & Rabenold, Weightman Building, Philadelphia. Owner, name withheld. Stone, 2½ stories, 25x40 feet, slate roof, stone foundation, hot water heat, electric light, tile work (electric work, hardware and floors reserved). Contract awarded to J. Howard Roberts, Lansdowne, Pa.

**Residence**, Springfield, Delaware County, Pa. Architects, Duhring & Ziegler, Stephen Girard Building, Philadelphia. Owner, J. W. Powell, care of architects. Frame (wide clapboard, 2½ stories, 50x30 feet, shingle roof, stone foundations, hot air heat, electric light, tile and marble work, oak floors. Contract awarded to Wm. Reilly, care of architects.

**Church**, Wayne, Pa. Architect, Henry P. Schneider, 3713 Old York road, Philadelphia. Owner, Second Baptist Church, care of Rev. J. W. Brooks, Wayne, Pa. Stone, 1 story and basement, slate roof, stone foundations, steam heat, electric light, tile work, pine floors. Contract awarded to Henry P. Schneider, 3713 Old York road.

**Grammar School (add.)**, Tenth and Leiper streets, Eddystone, Pa. Architects, Ritter & Shay, North American Building, Philadelphia. Owners, Borough of Eddystone, Eddystone, Pa. Brick and stone, 2 stories, 80x96 feet, composition roof, wood block floors, stone foundations, mechanical system, hollow tile, metal lath, terrazzo work, roof ventilators, waterproofing, dampproofing, iron work. Contract awarded to H. Louis Morris, Chester, Pa.

**Garage**, Ogontz, Pa. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owner, Commissioners of Cheltenham Township, Ogontz, Pa. Stone, brick and steel, 2 stories, 17x30 feet, slate roof, pine floors, stone foundations, hot water heat, electric lighting. Contract awarded to John McShain, 1610 North street, Philadelphia.

**Residence (alt.)**, Spring road, Reading, Pa. Architect, Muhlenberg Bros., 511 Penn street, Reading, Pa. Owner, Wellington & Beatoler, Bear Building, Reading, Pa. General interior alterations, tile work. Contract awarded to George Derr, Reading, Pa.

**Completion of Basement**, Chester, Pa. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owner, Roman Catholic Church of St. Anthony, care of Rev. A. Garritano, Chester, Pa. Contract awarded to Philip Di Giacomo, 2006 West Clearfield street.

**Residence**, Wyncote, Pa. Architect, private plans. Owner, James Smith, Glenside and Manor avenues. Plaster and stone, 2½ stories, 22x33 feet, shingle roof, oak floors, iron work (heating and electric lighting reserved). Contract awarded to John E. Hauser, Glenside, Pa.

## New Jersey Construction News

**School**, Maple Shade, N. J. Architect, William Copeland Furber, 418 Walnut street, Philadelphia. Owner, Board of Education, Chester Township, N. J. Brick, 2 stories and basement, stone foundation, 62x115 feet, slag roof, maple and reinforced concrete floors, blower system, steam heat, electric light, mill work, metal lath, slate work, reinforced concrete stairs. Architect will be ready for bids in three weeks.

**Parochial School**, Liberty street, Camden, N. J. Architect, Robert A. Schuman, Trenton, N. J. Owner, St. Joseph's Roman Catholic Church, Camden, N. J. Brick and terra cotta and steel, 2 stories, 65x100 feet, slag

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roof, maple floors, electric light, metal lath, fire doors, iron work, roof ventilators, metal ceilings. Architect taking bids. Melody & Keating, 1322 Race street, Philadelphia, are figuring.

**Office Building**, Third and Arch streets, Camden, N. J., \$50,000. Architect, Joshua C. Jefferies, 1001 Chestnut street, Philadelphia. Owners, Courier Co., Third and Federal streets, Camden, N. J. Steel and concrete, 2 stories, 40x64 feet, concrete and slag roof, concrete floors, hot water heat, electric light, vault lights, plate glass, cut stone. Owners have received bids.

**Moving Picture Theatre**, Moorestown, N. J. Architects, Schermerhorn & Phillips, 430 Walnut street, Philadelphia. Owner, Howard Knight, Moorestown, N. J. Brick and terra cotta, 1 story, 50x95 feet, slag roof, pine and cement floors, stone foundation, steam heat, electric light, iron work. Owner taking bids due July 31st. Hogg Const. Co., Denckla Building, is figuring.

**Residence**, Camden, N. J. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owner, name withheld. Brick and stucco, 2½ stories, 26x38 feet, slate roof, oak and pine floors, vapor heat, electric light. Ready for bids in one week.

**Garage**, Camden, N. J. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owner, J. B. Van Sciver & Co., Camden, N. J. Brick, 1 story, 80x90 feet, slag roof, cement floors, hollow tile, iron work (heat, light and plumbing reserved). Architects have received bids.

**Rectory**, Collingswood, N. J. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, St. John's Roman Catholic Church, care of Rev. John O'Farrell, Collingswood, N. J. Stone and plaster, 2½ stories, 34x39 feet, slate roof, pine floors, hollow tile, stone foundations, tile work (heating, plumbing and electric lighting reserved). Owners taking bids due at rectory July 25th before noon. William J. McShane, 417 South Thirteenth street; Frank G. Stewart, 1619 Sansom street; Roger Atkinson, Builders' Exchange; William R. Dougherty, 1610 Sansom street; Sutton & Stephenson, 1317 Washington avenue, Philadelphia; William Wrifford, 525 Market street, Camden, N. J., and Edward Geseke, Collingswood, N. J., are figuring.

**Residence and Garage**, Haddonfield, N. J., \$22,000. Architect, W. W. Sharpley, Presser Building, Philadelphia. Owner, Oscar Twitchell, Haddonfield, N. J. Hollow tile and stucco, 2½ stories, 40x80 feet, shingle or asbestos roof, oak and cement floors, stone foundations, hot air heat, electric light, tile and marble work. Contract awarded to William Wrifford, 525 Market street, Camden, N. J.

**Church**, Hackettstown, N. J. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owner, Roman Catholic Church of the Assumption, care of Rev. Joseph McGrath, Hackettstown, N. J. Stone, 45x100 feet, slag roof, stone foundations (steam heating, lighting and plumbing reserved). Contract awarded to Gallo Bros., Nectong, N. J.

**Relief Building**, Phillipsburg, N. J. Architect, Muhlenberg Bros., 511 Penn street, Reading, Pa. Owner, Cannister Co., on premises. Brick, 2 stories, 36x82 feet, concrete foundations, composition roof, composition floors. Contract awarded to Butz & Clader, Allentown, Pa.

**Parish House**, Bayonne, N. J., \$150,000. Architect, R. A. Schuman, 932 Lamberton st.,

Trenton, N. J. Owners, St. John the Baptist Catholic congregation, care of Rev. Buick, on premises. Brick, 2½ stories, 50x38 feet, slate roof, steam heat, electric light, tile work. Architect will take bids on July 29th.

**House**, Morris Heights, Pa., \$7,000. Architect, W. A. Kleman, First National Bank Building, Trenton, N. J. Owner, Edw. Ivins, Morris Heights, Pa. Stucco and tile 2 stories, 28x48 feet, hardwood floors, hot water heat, electric light, tile work. Architect will take bids next week.

**Church**, Stockton, N. J. Architects, William Slack & Son, St. Regis Theatre Building, Trenton, N. J. Owners, Roman Catholic Church, Stockton, N. J. Stone, 1 story and basement, 60x40 feet, stone foundations, slate roof, wood floors, steam heat, electric light. Architect ready for bids.

**House and Garage**, Greenwood avenue, Trenton, N. J. Architects, Wm. Slack & Son, St. Regis Theatre Building, Trenton, N. J. Owner, Leo Salamandra, Chestnut avenue, Trenton, N. J. Brick, 2½ stories, 30x40 feet and kitchen addition, slate roof, hardwood floors, hot water heat, electric light, tile work, stone foundations. Architect ready for bids.

**School (alts. and add.)**, New Gretna, N. J. Architect, R. A. Schuman, 932 Lamberton street, Trenton, N. J. Owners, Bass River Township, New Gretna, N. J. Brick, 1 story, 23x28 feet, shingle roof, hardwood floors, metal ceilings, interior alterations. Owners will take bids.

**House (alts. and add.) to Store and Apartment**, East Hanover street, Trenton, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owner, Samuel Hilton, Forst-Richey Building, Trenton, N. J. Brick, 1 story, 8x40 feet, tin roof, pine floors, new plumbing fixtures, tile work. General interior alterations. Architects taking separate bids.

**House**, Yardville, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owner, H. I. Hutchinson, Yardville, N. J. Frame, 31x48 feet, concrete foundations, asbestos shingle roof, oak floors, electric light, tile work (lead glass reserved). Architects taking separate bids, due July 25th.

**Bank Building**, Riverside, N. J. Architect, Wm. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Riverside Trust Co., Riverside, N. J. Brick, stone and steel, 1 story and mezzanine, 48x74 feet, asbestos built-up roof, cork and composition floors, stone foundations, steam heat, electric light, terrazzo and marble work, metal lath, hollow tile, roof ventilators, metal window guards, bank fixtures. Architect taking bids, due August 4th. Wills-Ludwick Co., 1708 Sansom street; John N. Gill Co., Otis Building, Philadelphia; S. W. Mather & Sons, Trenton, N. J.; Fred Parker, Trenton, N. J.; McMurray & Paules, Clinton street, Newark, N. J.; A. P. Bright, Bridgeton, N. J.; George C. Dietrick, Riverside, N. J.; George W. Shaner & Sons, Palmyra, N. J.; Hugh B. Miller, Edgewater Park, Pa.; Joseph E. Kolster, Beverly, N. J., are figuring.

**Theatre**, South Broad street, Trenton, N. J. Architects, Wm. Slack & Sons, St. Regis Theatre Building, Trenton, N. J. Owner's name withheld. Brick, terra cotta trimming, 100x175 feet, stone foundations, slag roof, tile, concrete and composition floors, steam heat, electric light, tile and marble work, hollow metal skylights, kalamein doors. Architects taking bids, due as soon as possible. Joseph

Morris, Burton & Burton, W. R. Ivins, and H. Clayton, Trenton, N. J., are figuring.

## New Jersey Contracts Awarded

**Fire House**, Shiller avenue and Broad street, Trenton, N. J., \$20,000. Architects, William Slack & Son, St. Regis Theatre Building, Trenton, N. J. Owners, Rusling Hose Co., Shiller avenue and Broad street, Trenton, N. J. Brick, 2 stories, 32x60 feet. Contract awarded to Joseph Barbour, Trenton, N. J.

**Church**, East State street, Trenton, N. J., \$14,414. Architect, private plans. Owners, Fourth Presbyterian Church, Trenton, N. J. Interior alterations. Contract awarded to S. W. Mather & Son, Trenton, N. J.

**Kiln Sheds and Drying House**, New York avenue, Trenton, N. J., \$5,000. Architect, private plans. Owners, Keystone Pottery Co., Trenton, N. J. Brick, 1 story, 41x33 feet, concrete foundations, slate and slag roof. Contract awarded to Lewis Lawton & Son, Trenton, N. J.

**Residence**, No. 5, Atlantic City, N. J. Architects, Druckenmiller & Williams, 1527 Chestnut street, Philadelphia. Owner's name withheld. Hollow tile and stucco, 2½ stories, 30x60 feet, tile roof, oak floors, hot water heat, electric lighting, tile work, plumbing. Contract awarded to Wilbert S. Beaumont, Atlantic City, N. J.

## Delaware Construction News

**House**, Tenth and Broome streets, Wilmington, Del. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, C. F. Vickla, Tenth and Adams streets, Wilmington, Del. Brick, 3 stories, 41x50 feet, stone foundations, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress.

**House and Garage**, Shallcross avenue, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. Brick, 2½ and 2 stories, 30x40 feet and 24x30 feet, slate roof, cement and hardwood floors, electric light, tile work. Architect ready for bids.

**Residence**, Giant avenue, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, H. S. Schutt, Seventeenth street, Wilmington, Del. Stone and stucco, 2½ stories, 44x28 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Architect has received bids.

**Residence**, Wawaset Park, Wilmington, Del. Architect, William Woodburn Potter, Real Estate Trust Building. Owner, Alan J. Henry, on premises. Brick, steel and plaster, 2½ stories, 26x56 feet, shingle roof, oak floors, hollow tile, metal lath, stone foundations, electric light, tile work, iron work (heat reserved). Architect taking bid from A. L. Fretz & Son, Heed Building, Philadelphia, due July 23d.

**Factory (add.)**, Fourth and Orange streets, Wilmington, Del., \$25,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Delmarvia Leather Co., on premises. Brick and mill const., 5 stories, 30x100 feet, concrete foundations, slag roof, pine floors, electric light, elevators. Architect has received bids.

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use the hod carrying method of elevating brick, mortar, cement, etc.? It's too old fashioned—too slow and cost-

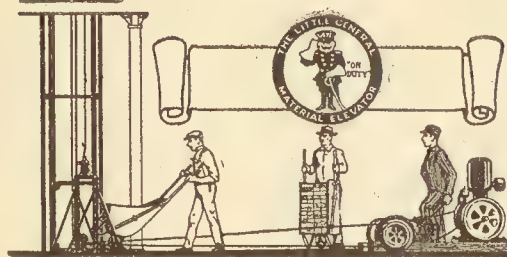
ly—for present day building work.

"LITTLE GENERAL" MATERIAL ELEVATOR HOISTS are used by dozens of bricklayers in Philadelphia, who used to rely on the hod carrier method, which was expensive and unsatisfactory. Now they use a "LITTLE GENERAL" and save money.

Several bricklayers have told us they saved the price of the "LITTLE GENERAL" on the first job.

"LITTLE GENERALS" in Philadelphia stock ready for immediate delivery.

One man to load the elevator, one man to distribute the barrows and one man at the hoist will keep fifteen bricklayers hustling.



Elevator operates in an opening 26" x 60". Easy to erect, easy to take down and move, convenient to store.

Phone for prices and special discount.

## SERVICE EQUIPMENT COMPANY

Bourse Building, Philadelphia, Pa.

Lombard 490

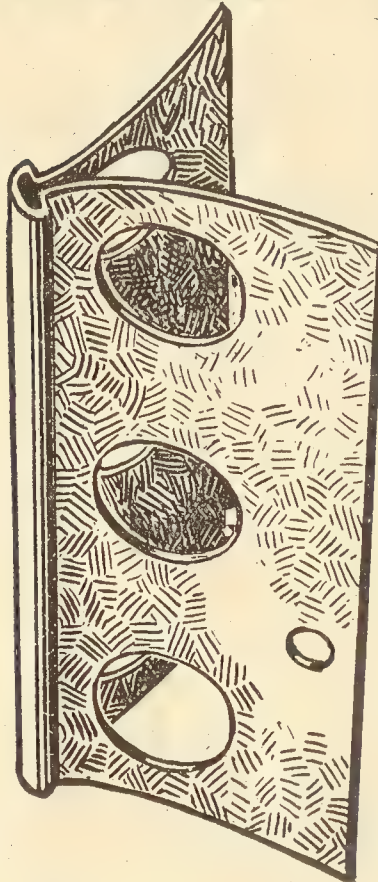
## LOW PRICES

The cost of  
Galvanized Metal

## CORNER BEADS

is now at new  
low ebb

Samples and Prices  
on request



**Pearce Fireproof Co.**  
1345 Arch Street, Phila.

Bell Phone, Locust 3924

Keystone, Race 4434



TRADE MARK  
Reg. U. S. Pat. Office

## Expanded Metal, Metal Laths, Self-Sentering, Fireproof Building Specialties and Waterproofings

Are you familiar with the economy features of these materials? If not let us supply you with details and quote you on your requirements.

### THE GENERAL FIREPROOFING CO.

512 BULLETIN BUILDING  
Philadelphia, Pa.

Prompt Deliveries from our Philadelphia Warehouse

F. M. VENZIE

GEORGE KATZ

Specialists in Metal Lath and Light  
Iron Construction

FOR

Fire Proof Partitions  
Plain & Ornamental Ceilings  
Cornice Furring & Bracketing  
Metal Lathing for Stucco

We are not too big to look for  
your Small Orders, nor too  
small to handle your big fellows

Let our experience help solve your problems  
in Metal Lath Construction

## Metal Lathing Specialty Co.

2610-24 West Huntingdon Street  
Philadelphia, Pa.

Bell Phone, Diamond 209

Keystone, Park 1478



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Tapestry, Face, Common Paving)

O. W. Ketcham.....Builders' Exchange, Phila.  
John S. E. Pardee & Co.....Heed Bldg., Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.  
Samuel H. French & Co.....4th and York sts., Phila.

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.  
Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.

Petronite Mfg. Co.....531 N. 9th st., Phila.

Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.

Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Contractors' Equipment.

Service Equipment Co.....Bourse Bldg., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.

Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.

General Fireproofing Co. 512 Bulletin Bldg., Phila.

Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.

McCalla Co., The Harold....531 N. 4th st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.

Truscon Steel Co....Commonwealth Bldg., Phila.

## Floor Plates.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co. 1332 Arch st., Phila.

## Gas Water Heaters.

Apeldorn & Beatty Co....155 N. 9th st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.

Fleck Bros. Co.....44 N. 5th st., Phila.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

Richardson and Boynton Co. 1332 Arch st., Phila.

## Hollow Tile.

O. W. Ketcham.....Builders' Exchange, Phila.

## Insurance.

Harris J. Latta.....Pennsylvania Bldg., Phila.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.

Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Iron and Steel Bars and Plates.

Alan Wood Iron & Steel Co. Widener Bldg., Phila.

McCalla Co., The Harold....531 N. 4th st., Phila.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Levels.

Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

## Light Iron Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lumber.

Jas. M. Irwin & Co.....973 Beach st., Phila.

Janney Lumber Co.....1147 Beach st., Phila.

Wm. Lloyd Co.....29th and Ridge ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.

Italian Marble Mosaic Co....433 Spruce st., Phila.

Roman-Cianci Co., Inc....3428 Warren st., Phila.

## Metal Lath.

Audubon Wire Cloth Co., Inc....Audubon, N. J.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.

General Fireproofing Co. 512 Bulletin Bldg., Phila.

McCalla Co., The Harold....531 N. 4th st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.

Truscon Steel Co....Commonwealth Bldg., Phila.

## Metal Lath Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Metal Tiles and Shingles.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Meters.

Philadelphia Meter Co.,  
Real Estate Trust Bldg., Phila.

## Mill Supplies.

The Fairbanks Co.....7th and Arch sts., Phila.

## Paints and Varnishes.

The Barrett Company,  
New York and Phila.

French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

## Paving Bricks.

O. W. Ketcham.....Builders' Exchange, Phila.

John S. E. Pardee & Co.....Heed Bldg., Phila.

## Pipe Fittings and Valves.

The Fairbanks Co.....7th and Arch sts., Phila.

## Plumbing Fixtures.

Fleck Bros. Co.....44 N. 5th st., Phila.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

Joseph Vogel Co.....Wilmington, Del.

## Preservatives (Wood and Concrete).

The Barrett Co.....New York City and Phila.

## Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.

Henry M. Miller.....46-48-50 N. 2d st., Phila.

Richardson and Boynton Co. 1332 Arch st., Phila.

## Refrigerators.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.

## Reinforcing Bars.

Morris Wheeler & Co. 30th and Locust sts., Phila.  
Truscon Steel Co....Commonwealth Bldg., Phila.

## Roofing.

The Barrett Co.....New York City and Phila.

## Roofing Tile.

O. W. Ketcham.....Builders' Exchange, Phila.

William Moore Co.....1506 Sansom st., Phila.

## Roofing Tin.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Roofing Slate.

William Moore Co.....1506 Sansom st., Phila.

## Safety Guards.

Audubon Wire Cloth Co., Inc....Audubon, N. J.

Kensington Metal Co....1612 N. 2nd st., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

## Screens.

Thos. J. Malia.....141 Wentz st., Phila.

## Steam Specialties.

Apeldorn & Beatty Co.....155 N. 9th st., Phila.

## Slate.

William Moore Co.....1506 Sansom st., Phila.

## Soundings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co.....Bourse Bldg., Phila.

John B. Rulon.....1355 Colwyn st., Phila.

## Structural Slate.

William Moore Co.....1506 Sansom st., Phila.

## Structural Steel.

McCalla Co., The Harold....531 N. 4th st., Phila.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Surety Bonds.

Harris J. Latta.....Pennsylvania Bldg., Phila.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.

Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co.....Bourse Bldg., Phila.

John B. Rulon.....1355 Colwyn st., Phila.

## Tile and Terrazzo Work.

Belfi Bros. & Co.....1923 Market st., Phila.

French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

Italian Marble Mosaic Co....433 Spruce st., Phila.

Petronite Mfg. Co.....531 N. 9th st., Phila.

Roman-Cianci Co., Inc....3428 Warren st., Phila.

William Moore Co.....1506 Sansom st., Phila.

## Tiling.

William Moore Co.....1506 Sansom st., Phila.

## Transits.

Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

## Ventilators.

Merchant & Evans Co.,  
2035 Washington ave.

## Water Paint.

Wm. B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Waterproofing.

The Barrett Co.....New York City and Phila.

## Water Supply.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Weather Strip (Metal).

American Metal Weather Strip,  
2118 Diamond st., Phila.

Thos. J. Malia.....141 Wentz st., Phila.

## Wheelbarrows.

The Fairbanks Co.....7th and Arch sts., Phila.

## Wire Work.

Audubon Wire Cloth Co., Inc....Audubon, N. J.

Kensington Metal Co....1612 N. 2nd st., Phila.



1792

FOUNDED 1792

1919



# Insurance Company of NORTH AMERICA PHILADELPHIA

## ASSETS

|                                      |                 |
|--------------------------------------|-----------------|
| Bonds and Stocks.....                | \$24,280,745.19 |
| Cash in Banks.....                   | 2,395,335.33    |
| Premiums in course of transmission.. | 3,203,681.96    |
| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

## LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

Total Liabilities ..... \$30,801,413.40

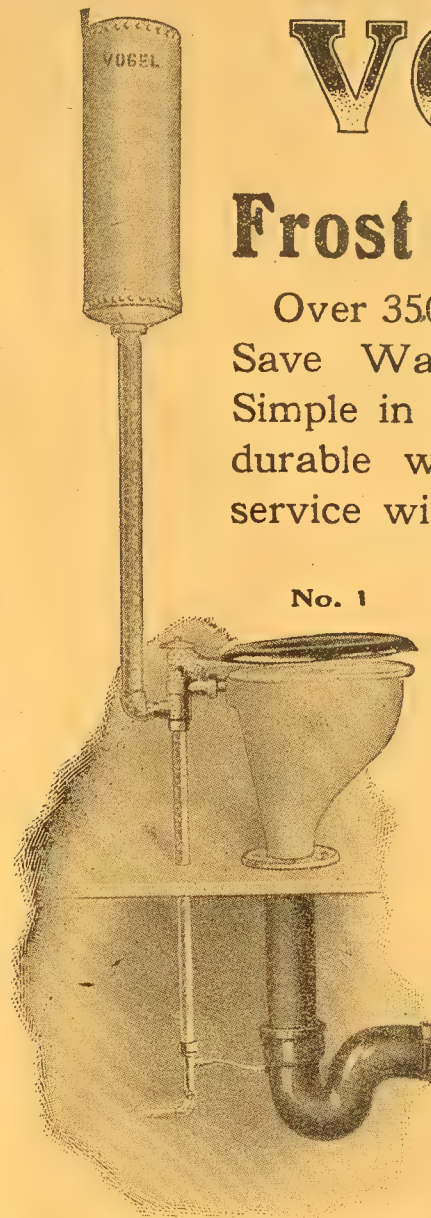
Surplus to Policyholders..... \$ 12,922,516.93  
Losses paid since organization 203,147,689.78

## The Oldest American Stock Insurance Company

Fire Insurance  
Tornado  
Sprinkler  
Explosion  
Inland Transit  
Salesman's Floater

Automobile  
Use and Occupancy  
Builder's Risk  
Tourist  
War Risk

Cotton Insurance  
Marine  
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Leasehold  
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PATENTED

## Frost Proof Closets

Over 350,000 giving satisfaction. Save Water; Require No Pit; Simple in the extreme. The most durable water closet made. In service winter and summer.

No. 1

Enameled roll flushing rim bowls.  
Heavy brass valves.  
Strong hard wood seat.  
Heavy riveted tank.  
Malleable seat castings will not break.

Sold by Jobbers Everywhere

## JOSEPH A. VOGEL CO.

WILMINGTON, DELAWARE  
ST. LOUIS, MO.



MANUFACTURERS OF

# DIAMOND AND RIBBED PATTERN Rolled Steel Floor Plates

SIZES FURNISHED ON APPLICATION



Whether you have an "easy" or "complicated" heating or cooking problem, it can be solved by simply specifying **ADELPHIA** on either a



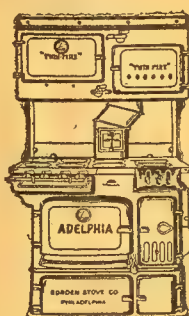
STEAM OR HOT WATER BOILER



REFRIGERATOR



GAS RANGE



WARM AIR PIPE OR PIPELESS FURNACE

RANGES FOR STRAIGHT COAL OR COMBINATION COAL AND GAS

TANK HEATER



We are also Eastern Agents for the celebrated PITTSBURG line of automatic and tank gas water heaters. Our centrally located showrooms present one of the finest assortments in the city, and the architect or client is always assured of a hearty welcome. Our complete stocks carried at all times enable us to render that same BORDEN SERVICE—since 1878—and last but not least—our prices are right, too!

**BORDEN STOVE CO.**

**1311-1313 Arch Street**

**PHILADELPHIA**



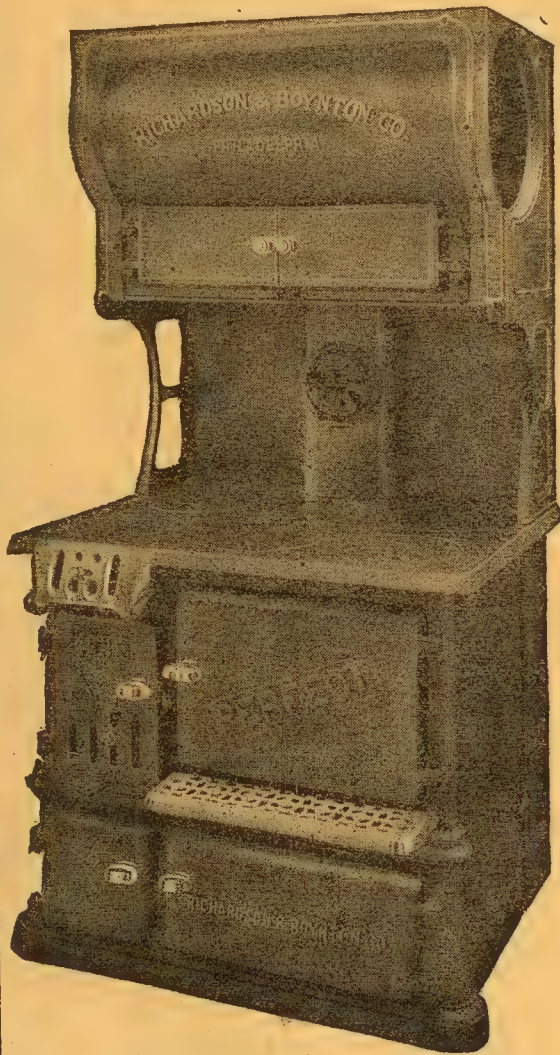
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND CLASS MATTER

Vol. XXXIV., No. 31  
July 30, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

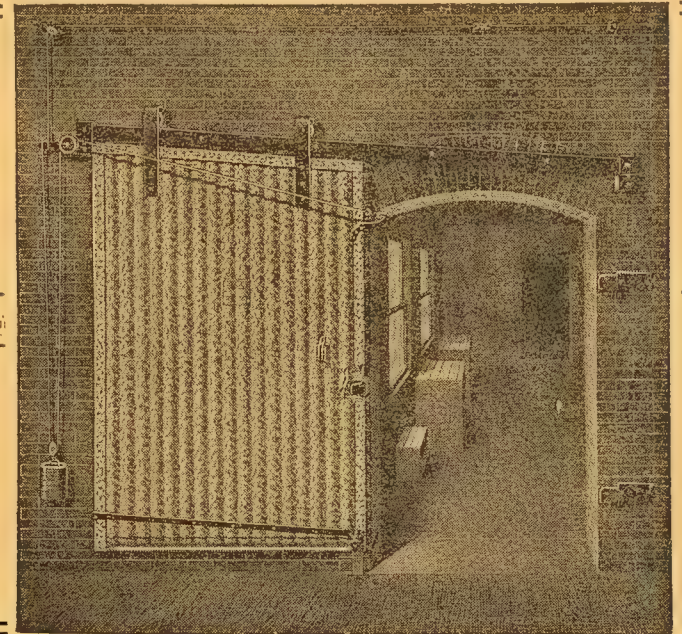
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15 CENTS PER COPY



**Delivery Same Day  
Order is Received**

This is one of the famous  
**RICHARDSON Products**

Public Showroom:  
**1332 Arch St., Philadelphia**



**EVANS "ALMETL" FIRE DOORS**  
(PATENT PENDING)

Time does not lessen their effectiveness either as a fire barrier or efficient and protective door. The entire construction is of non-combustible materials that will not disintegrate. They are rigid, easy to operate and light in weight. Fully approved by the Underwriters' and Factory Mutual Laboratories. Write to Department 20 for particulars.

**MERCHANT & EVANS CO.**  
NEW YORK PHILADELPHIA WHEELING  
BALTIMORE ATLANTA CHICAGO  
CLEVELAND ST. LOUIS KANSAS CITY



*The*  
**NATIONAL  
CEMENT**

**LEHIGH PORTLAND  
CEMENT COMPANY**

OFFICES

ALLENTOWN PA. - CHICAGO ILL. - SPOKANE WN.  
NEW YORK, N.Y. KANSAS CITY, MO. OMAHA, NEB.  
BOSTON, MASS. MINNEAPOLIS, MINN. PITTSBURGH, PA.  
PHILADELPHIA, PA. NEW CASTLE, PA. MASON CITY, IOWA.  
JACKSONVILLE, FLA. RICHMOND, VA.

*The National Cement*

**LEHIGH  
CEMENT**



WRITE, WIRE OR PHONE  
FOR VALUABLE CATALOGUE

**IMMEDIATE DELIVERIES**

from our large

**PHILADELPHIA WAREHOUSE**

REINFORCING BARS—Cut to Length  
or Fabricated  
DIAMOND MESH LATH  
HY-RIB and RIB LATH  
CORNER BEAD and CURB BARS

**TRUSCON STEEL WINDOWS**

TRUSCON STEEL COMPANY  
Formerly TRUSSED CONCRETE STEEL COMPANY  
810 Commonwealth Building  
Philadelphia





## An important part of a fence is in the ground

It's the anchorage of the posts that determines whether the fence will keep its alignment and stand straight and true after years of service.

### ANCHOR POST FENCES

are built on anchor posts which are driven into the ground and then held rigidly erect by two Anchor stakes driven diagonally through slots clamped to the sides of the posts.

Iron Railings and Entrance Gates, Lawn Fences, Tennis-Court, Poultry and Kennel-Yard Enclosures, Arbors, Trellises, and Flower-Bed Guards. Catalogues of any or all are yours upon request.

### Anchor Post Iron Works

W. S. SLACK, Manager  
Real Estate Trust Bldg., Phila.



## O. W. KETCHAM

Manufacturer of

**Ornamental Terra Cotta**  
**Face Brick**  
**Hollow Tile**  
**Paving Brick**  
**Roofing Tile**

Philadelphia, 24 S. Seventh St.  
New York, 1170 Broadway  
Washington, Home Life Building

Terra Cotta Works, Crum Lynne, Pa.

## POMEROY CONSTRUCTION CO.

### Building Construction

Let us figure on YOUR building work

1609 Ranstead Street, Phila.

## FACE and CUT STONE

### HOLMESBURG GRANITE CO.

Commercial Trust Building  
PHILADELPHIA



Wells - Soundings  
Test Borings

Artesian Well  
Drilling Co.

Real Estate Trust Building, Philadelphia

## Belfi Bros. & Co.

MANUFACTURERS OF  
ART MARBLE MOSAICS  
TERRAZZO, CERAMICS, &C.  
INTERIOR MARBLE WORK  
TILES MANTLES  
FIRE PLACE FURNISHINGS



Office and Show Room  
1923 MARKET ST.  
Formerly 20 & 22 S. 19th St

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Carpenters, Builders and Contractors

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Base and Floor  
one continuous  
piece



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should be used wherever a sanitary floor is desired. Practically noiseless, it is the ideal floor for schools, public buildings, railway stations, stores, kitchens, etc.

**Damp, Fire and Vermin Proof**

WE LAY THIS FLOOR ANYWHERE  
Information and samples on request

Philadelphia Mineral Flooring Co.

5632-34 Summer Street  
Philadelphia, Pa.

## Whitewashing

and

## Water Painting

SPECIFY

## Analo Powder Paint

Whether applied by brush or machine, if done by our corps of trained artisans you are sure to get the best work at the lowest possible cost. Better see us today. "Let there be light."

### WM. B. SOUTHERN

Manufacturer and Contractor

N. W. Cor. 12th and Spruce Sts.

PHILADELPHIA

Both Phones

# Daily Building News

Reliable, Advanced,  
Confirmed, Up-to-  
the-Minute, Infor-  
mation on Proposed  
Building Work in  
Philadelphia, East-  
ern Pennsylvania,  
Southern New Jer-  
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Let Us Show You  
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crease Your Business.

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Channels, Angles, Tie Wire, Corner Beads

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Expanded Metal, Perforated Metal, Angles, Rivets  
Bolts, Washers, Cleats, Whitney  
Punches and Dies

TANKS { WELDED  
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## IRON AND STEEL

of every description

## Galvanized Roofings and Sidings

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GEORGE KATZ

Specialists in Metal Lath and Light  
Iron Construction

FOR

Fire Proof Partitions  
Plain & Ornamental Ceilings  
Cornice Furring & Bracketing  
Metal Lathing for Stucco

We are not too big to look for  
your Small Orders, nor too  
small to handle your big fellows

Let our experience help solve your problems  
in Metal Lath Construction

## Metal Lathing Specialty Co.

2610-24 West Huntingdon Street  
Philadelphia, Pa.

Bell Phone, Diamond 209

Keystone, Park 1478

## Bricklayers, Masons, Plasterers

DO YOU

use the hod carrying  
method of elevating  
brick, mortar, cement,  
etc.? It's too old fash-  
ioned—too slow and cost-

ly—for present day building work.

"LITTLE GENERAL" MATERIAL ELEVA-  
TOR HOISTS are used by dozens of bricklayers in  
Philadelphia, who used to rely on the hod carrier  
method, which was expensive and unsatisfactory.  
Now they use a "LITTLE GENERAL" and save  
money.

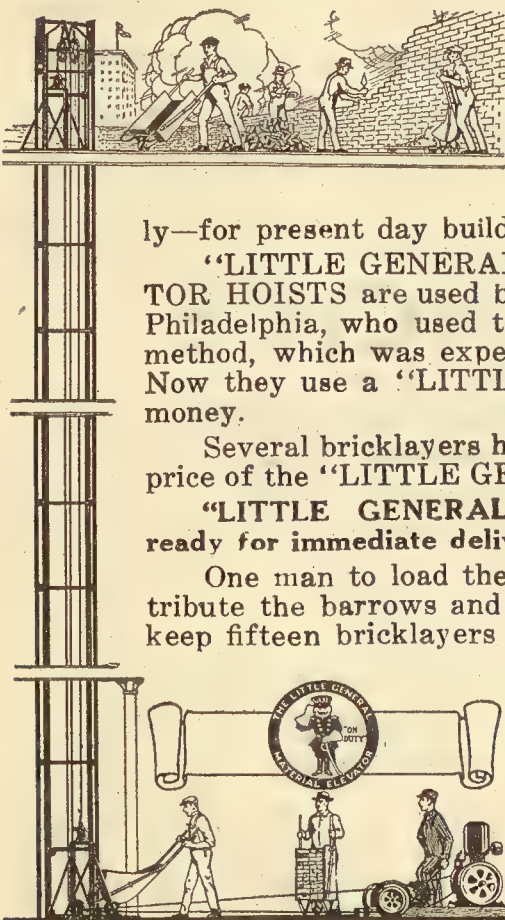
Several bricklayers have told us they saved the  
price of the "LITTLE GENERAL" on the first job.

"LITTLE GENERALS" in Philadelphia stock  
ready for immediate delivery.

One man to load the elevator, one man to dis-  
tribute the barrows and one man at the hoist will  
keep fifteen bricklayers hustling.

Elevator operates in  
an opening 26" x 60".  
Easy to erect, easy to  
take down and move,  
convenient to store.

Phone for prices and  
special discount.



## SERVICE EQUIPMENT COMPANY

Bourse Building, Philadelphia, Pa.

Lombard 490

## IRON AND STEEL

of all Shapes and Sections

PLAIN AND FABRICATED

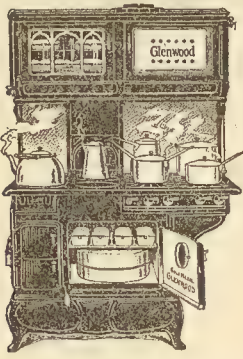
For All Purposes

IMMEDIATE DELIVERIES

## MONTGOMERY IRON & STEEL CO.

1832-40 North 9th Street  
PHILADELPHIA



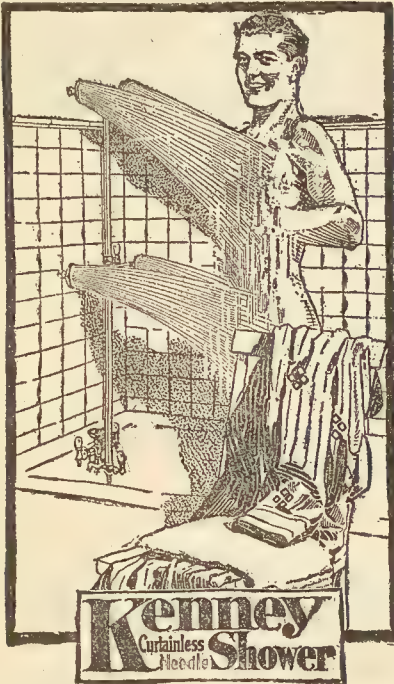


## Henry M. Miller

### GOLD MEDAL GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges  
Seamless Porcelain Lined Refrigerators

46-48-50 N. SECOND STREET, PHILA., PA.



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Will make your daily bath quick, sanitary and invigorating. Stop bathing in the tub—getting out of water filled with impurities. Use the Kenney Shower and the last drop will be as clean as the first.

NO CURTAIN—NO SPLASH

The water hugs the body. Will not splash outside of tub. No curtain to keep clean. Fits any bath tub. Anyone can attach it.

Niagara Palm Beach

\$7.50 \$15.00

See Running Water Display

**FLECK BROS. CO.**

Plumbing and Heating Supplies

Display Rooms

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ELMER BARBER  
HAULING CONTRACTOR

Land Title Bldg.

Philadelphia, Pa.

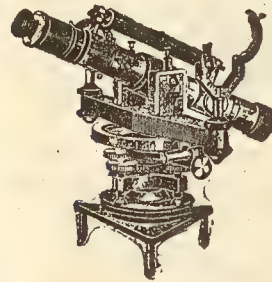
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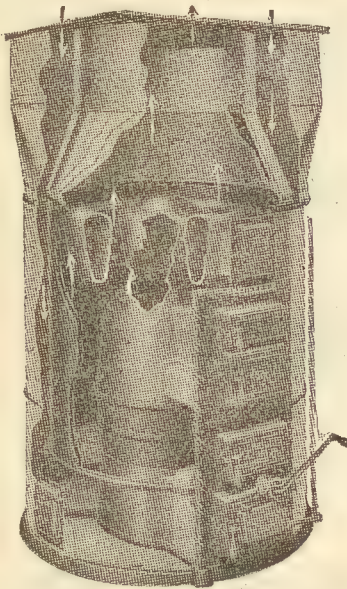
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 31

PHILADELPHIA  
July 30, 1919

## BUILDERS' GUIDE

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## As The Editor Sees It



**I**NCREASED production, as a means of reducing abnormally high prices, has been the urgent appeal from many reliable sources during the last few months. All are agreed that such production is absolutely necessary to the country today, and it now remains for manufacturers and material men to make concerted effort toward realizing this end. On Friday, July 18, resolutions were unanimously adopted by the Board of Directors of the National Association of Manufacturers at a meeting in the general offices in New York, urging public support of an effort to greatly increase the industrial production of the country, pointing out the growing tendency to restrict production on the theory that the less work a man does the more work he provides for others to do.

The resolutions declare that much of the industrial antagonism which exists between employers and employes is based on the unjustifiable and systematically fostered belief among the people that the manufacturers of the country are mainly responsible for the levels which prices generally have attained. Attention is also called to the fact that heavy war debt taxation has contributed heavily to present high prices and increased productivity is described as an effective means of shortening the duration of the war tax burdens now imposed on our industries and the individual citizen.

Factory workers are called upon to lend their aid to the manufacturers to the end that factory production may be

immediately increased, as a way of restoring reasonable and more normal price conditions. Legislative authorities, the press, the churches and educational institutions are also urged to give their co-operation to the movement for increased production as a means of relieving oppressive and economically unjustified present living conditions.

The resolutions, as adopted in full, are given below:

WHEREAS the question of high prices on many commodities of life has continued, since the cessation of military hostilities in France, to be of paramount importance to the people and industries of the United States, and

WHEREAS, there exists a well-defined effort among certain classes of our citizens wrongly and unjustifiably to disseminate the belief that the manufacturers and business men of the country are the principal and most reprehensible violators of the normal operation of the laws of supply and demand, and

WHEREAS, the burdens of taxation due to the war and other causes and levied on our citizens and industrial enterprises by the Federal, State and local authorities have become oppressively heavy and contribute in no small degree to the present high price levels, and

WHEREAS, high prices are largely due to the growth of tendencies among our labor elements to restrict and curtail individual and collective industrial production, a policy based largely on the false, pernicious and widely preached doctrine

that "the less work a man does the more work he provides for others to do," which, together with other unsound and uneconomic present labor tendencies, threaten to result in a lessening of the productive effectiveness of our American industrial machinery, and

WHEREAS, it is to the true welfare and interest of the people of the United States that our national industrial production be continuously increased so that our war debt taxation may be eliminated in as short a time as possible, more normal price conditions prevail and our industrial development and prosperity be stimulated: *Now, therefore be it*

*Resolved:* (1) That we deny the truth of and deprecate the tendency of the teaching that the manufacturers of the United States are the principal or deliberate authors of the present era of higher price levels.

(2) That we urge and call upon the people of the United States, and our factory workers in particular, to refute and discourage the un-American and dangerously unsound "make work" doctrine, which if pursued to any extent, will result in complete industrial demoralization.

(3) That we urge and call upon the people of the United States, and our factory workers in particular, to do everything in their power to encourage, stimulate and increase our industrial production, as the direct means toward restoring more normal price conditions.

(4) That we urge and call upon every duly constituted, Federal, State and local

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agency of government in the United States to lend its aid to an effort to foster and increase our industrial production, promotion of harmony and discouragement of agencies and causes of discord and bad feeling between employers and employes, and relieve from every possible handicap the legitimate manufacturing interests of the country.

(5) That we urge upon the public press, the churches, educational institutions, and every other factor in moulding public opinion, to give all possible assistance in directing public attention to the urgent need for increasing industrial production.

\* \* \*

It is more than time now to get some action on the foregoing resolutions.

If we wait *too* long for the other fellow to start something, we may find it too late. We know how to improve present conditions and to meet the situation—immediate action.

From the National Lumber Manufacturers' Association comes the report that, as a result of the signing of the peace treaty, a more stabilized feeling and better sentiment is confidently expected by the business interests of the country without, however, any radical changes. Export trade especially should be less restricted, although the merchandise exports of the country have shown tremendous gains during the past three months.

The steady extension in building operations is shown in a brisker movement in house furnishings of all sorts and even greater gains are expected along these lines. Although lumber prices are high, the general situation is not satisfactory to the lumber producer. Production is low because of labor shortage, and, in some sections, because of floods and unfavorable weather, and lumber is scarce also on account of the sudden demand for stocks late this spring. Retailers and other buyers allowed their stocks to become very low, then rushed in large orders which the mills were unprepared to fill as promptly as desired. If prices are high now, it is largely because buyers are desperately naming their own terms, without caring what they pay so long as they get the lumber.

Agricultural conditions are generally favorable and business failures are few in number. In general, the quantity of business is estimated as about one fifth above what it was a year ago.

It is predicted on all sides that prices will remain near their present levels for the rest of the year, with some minor advances. With labor high, the only way to reduce manufacturing costs is by the further development of machinery and increased efficiency in manufacturing methods.

## THE ARCHITECT AS A CITIZEN

Remarks by

D. KNICKERBACKER BOYD, F. A. I. A.

At the 52nd Annual Convention of the  
American Institute of Architects

We are asked to say something concerning the status of the architect as a citizen. It seems to me that the first way for anyone to become a citizen is to accept the responsibility of citizenship. And any way that I look at it, this responsibility begins with consideration of the things which put us in touch with the heart-throbs of the people, and ends with the service which we can, and must give—the architect's service which makes it possible to reach into the homes of everyone of the people in this country.

You also asked that those who were connected with some of the Government activities, should say something about that phase of the architect's service. I hope that we will hear from Mr. Fenner tonight because he was the general manager of the United States Housing Corporation and we all owe to him a deep debt of gratitude. He will tell you that the word housing is, to a great extent, a misnomer. For housing embraces not only the single family abode, but all places intended for multiple dwelling, and includes all the necessities and amenities of living.

We found in our work for the Housing Corporation that we were immediately plunged into problems of engineering, of community planning, of transportation, of the production, manufacture and appropriate use of materials, of the consumption of fuel, of safety, of fire prevention and everything else which concerns the health, safety and the convenience of the occupants of dwellings. And it seems to me that we ought to have in mind all those phases of service and approach the subject from that standpoint if we would make the architectural profession of the greatest service to society, meaning thereby, mankind.

I will offer as concrete illustrations of what we might do in assuming the responsibility of citizenship, some practical recipes, so to speak. Each architect should first read and study the building laws of his city or of the state, if there are any laws of the state, and study them and the housing and sanitary laws affecting his practice and become thoroughly familiar with them, making no effort whatever to evade them, and absolutely discouraging on the part of any client any effort to evade or compromise those laws.

On the other hand, architects should

get in touch with the officials of their city or state who are responsible for those laws and endeavor to improve them if possible. That is also written in our own canons. Every architect should be familiar with the names and positions of those who are the governing officials in his city and in his state, and furthermore, his own representatives in the House and the Senate of the United States. I venture to say that there are very few architects here present who have a copy of the Congressional Directory in their library or in their files. And I offer the suggestion that each one of us should be supplied with a copy, so that we might, on any occasion, get in touch with the men that we, as citizens, elected to represent us in the National Capital.

It seems to me, that we should, as has so well been pointed out, keep in touch with all civic associations and other civic bodies, all chambers of commerce and similar organizations, that we should affiliate with engineering bodies and builders' exchanges and should co-operate in arranging for exhibits of building materials, and in doing anything which makes for a better understanding of the structural side of architecture. Also, that we should keep in touch with educational institutions, with home and school associations, that we should endeavor to have pictures of architectural subjects, examples of sculpture and other works of art placed in all public schools of the country. That we should endeavor to have lectures delivered in the various libraries and other places of public assemblage on architecture, painting and sculpture and the duties and responsibilities of citizenship.

That we should make them realize that an attractive house is a home which is a much more valuable asset than one which is ugly. That we should keep in touch with the building and loan societies of the country, who are responsible for the financing of the homes of the people. We should cause them to place a higher value upon a well-constructed house and we should keep in touch with the local insurance rating organizations and so design and construct our homes that our clients will have the least insurance premium to pay, as well as be afforded the opportunity to live in a well-constructed house, one that is safe for occupancy.

That we should keep in touch with  
(Continued on Page 462.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING;  
CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Bank and Office Building**, Northeast corner Broad and Walnut streets, \$8,000,000. Architects, John T. Windrim, Commonwealth Building, Philadelphia. Owner, Fidelity Trust Co., 325 Chestnut street, Philadelphia. Brick, steel, granite and reinforced concrete, carved stone, marble, tile and marble work, metal lath, iron work, 31 stories, 229½x175 feet. Plans in progress.

**Office Building**, Broad and Spruce streets, Philadelphia. Architect, not selected. Owners, Atlantic Refining Co., care of R. D. Leonard, 3144 Passyunk avenue. Details undecided. Work contemplated.

**Bank Building (add.)**, Passyunk avenue and Bainbridge street, Philadelphia. Architects, Magaziner & Eberhart, 603 Chestnut street, Philadelphia. Owners, State Bank of Philadelphia, on premises. Steel, stone, brick and terra cotta, 2 stories, 42x55 feet, slate roof, composition floors, marble work, metal lath, safety treads, rolled steel sash, rolled steel skylights, fire escapes. Architects taking bids due August 5th. William R. Dougherty, 1608 Sansom street; F. A. Havens Co., 845 North Nineteenth street; H. E. Grau Co., 1707 Sansom street, and A. Raymond Raff Const. Co., 1633 Thompson street, Philadelphia, are figuring.

**Garage and Mechanics' Shop**, Marston and Longshore streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Patrick Grant, care of Henry Disston Sons Co., Tacony, Philadelphia. Brick, 2 stories, 55x98 feet, stone foundations, slag roof, cement floors, hot water heat, electric light, tile work, metal lath, roof ventilators, (1) elevator, metal ceilings, ornamental iron work. Plans in progress.

**Store and Apartment**, Southeast corner Broad and Wharton streets, Philadelphia. Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, John Reale, Tenth and Filbert streets, Philadelphia. Brick, 4 stories, 24x200 feet, stone foundations, slag roof, hardwood, tile and composition floors, hot water heat, electric light, tile and marble work, metal lath. Revised plans completed. Architect ready for bids.

**Residence (alt. and add.)**, Northeast corner Eighth and Boulevard, Philadelphia. Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, J. S. Christie, 1345 Arch street, Philadelphia. Brick, 2 stories, irregular size, stone foundations, slag roof, oak floors, hot water heat, electric light. Owner has received bids.

**Apartment House (alt. and add.)**, 1703 West Diamond street, Philadelphia. Architect, Reuben Beard, 503 Liberty Building, Philadelphia. Owner, name withheld. Brick, 3 stories, 23x110 feet, 15x15 feet, stone foundations, slag roof, hardwood floors, hot water heat, electric light, mineral flooring, cement

work, galvanized iron bay windows, iron work. Architect ready for bids.

**Store and Dwelling (alt. and add.)**, 6114-16 Lansdowne avenue, Philadelphia. Architect, Reuben Beard, 503 Liberty Building, Philadelphia. Owner, name withheld. Brick, 30x80 feet, lowering floor 3 feet, electric light, steel work, flush bulks, galvanized iron work, general interior alterations. Architect ready for bids.

**Garage**, 739 Bainbridge street, Philadelphia. Architect, Reuben Beard, 503 Liberty Building, Philadelphia. Owner, Mike Green, on premises. Brick, 1 story, 20x60 feet, structural steel work, plumbing, skylights. Owner ready for sub-bids.

**Store and Apartments**, York road and Loudon street, Philadelphia. Architect, Joseph L. Tomlinson, 4806 North Camac street, Philadelphia. Owner, P. H. Brady, 1347 Mellon street, Philadelphia. Brick, 3 stories, 60x20 feet, stone foundations, slag roof, pine floors, electric light, hot water heat, tile work, metal lath, roof ventilators, rolled steel skylights, iron work. Owners have received bids.

**Stair Tower and Elevator Hatch (alts.)**, 406 Race street, Philadelphia. Architect, H. B. Weldon, Fuller Building, Philadelphia. Owner, Harry Tuttleman, 406 Race street, Philadelphia. Brick work, steel, iron stairs, carpentry, patching roof and plastering, galvanized iron skylights. Architect has received bids.

**Store Building (alts.)**, 716 Market street, Philadelphia. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owner, Estate of John Dobson, 809 Chestnut street, Philadelphia. General interior alterations, new front, passenger elevator, steam heat, electric light, tile and marble work, new stairs, floors, etc. Architects taking revised bids from Standard Const. Co., 1713 Sansom street, and Warren-Moore Co., Colonial Trust Building, due as soon as possible.

**Tenement House (alts. and add.)**, Fifteenth and Catharine streets. Architects, Lachman & Murphy, Drexel Building, Philadelphia. Owner, William Bailey, Fifteenth and Catharine streets. Brick, 3 stories, 19x42 feet, slag roof, pine floors, stone foundations, steam heat, electric light, tile work, ornamental iron work. Architects have received bids.

**Residence (alt.) to Store, Garage and Apartment**, Southeast corner Sixty-third and Media streets. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Fred D. Stiteler, on premises. Brick and stone, 2 stories, 16x101 feet, stone foundations, slag roof, hot water heat, electric light, hardwood floors, tile and marble work, metal lath. Architect taking bids due August 4th at noon. Christian Hansen, East Lansdowne, Pa.; LeRoy K. Smith, Forty-second and Chester avenue; Mitchell Bros., 2125 Race street; W.

J. Irwin, 5927 Kingsessing avenue, and J. D. Fisher, 5424 Thompson street, Philadelphia, are figuring.

**Dwellings (28)**, 4713-63 North Warnock street and Warnock street South of Loudon street, Philadelphia, \$134,800. Architect, private plans. Owner, Abraham Sonnenfeld, 287 South Sixty-third street, Philadelphia. Brick, 2 stories, 15x42½ feet and 15x28½ feet, 12x14½ feet, slag roof, hot air heat. Owner will build.

**Garage**, Southeast Corner Wakeling and Mulberry streets, Philadelphia, \$4,000. Architect, private plans. Owner, Edward Smith, 4923 Hawthorne street, Philadelphia. Brick, 1 story, 38x99 feet. Owner will build.

**Dwellings (24)**, Oxford street, Sixtieth to Sixty-first streets, Philadelphia, \$205,000. Architect, private plans. Owners, Oler & Shapiro, Fifty-seventh and Master streets, Philadelphia. Brick, 3 stories, 16x48 feet and 16x21 feet, 13x22 feet, slag roof, hot water heat. Owner will build.

**Residence and Garage**, Seventh and Cheltenham avenue, Philadelphia. Architect, Alex. M. Adams, 1012 Walnut street, Philadelphia. Owner, name withheld. Stone, 2½ stories, 33x39 feet, wing 13x18 feet, garage, 1 story, 20x20 feet, slate roof, oak, pine and cement floors, hot water heat, electric light, tile work. Architect has received bids.

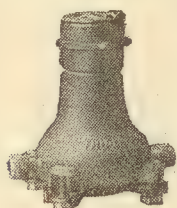
**Apartment House**, 5114 Camac street, Philadelphia. Architect, Edwin L. Rothschild, 1011 Chestnut street, Philadelphia. Owner, Bertha G. Modell, care of architect. Brick, 3 stories, 28x36 feet, slag roof, oak floors, hot water heat, stone foundations, electric light, tile and marble work. Architect has received bids.

**Residences (44)**, McKean and Bonsall streets, Philadelphia. Architect, E. Allen Wilson, 1218 Chestnut street, Philadelphia. Owner, name withheld. Brick, 2 stories, 17½x32 feet, slag roof, hot water heat, electric lighting, stone foundations. Plans in progress.

**Stores (alts.)**, Fifty-second and Girard avenue. Engineer, L. E. Denslow, 44 West Eighteenth street, New York City. Owner, United Cigar Stores Co., 44 West Eighteenth street, New York City. Carpentry, plumbing, metal work, painting, marble work, mill work, hardware, tile work, plastering, metal lath. Owner taking bids due July 31st. Smith-Hardican Co., 1606 Cherry street, is figuring.

**Twin Residences**, Sixty-third and Overbrook avenue. Architect, Arnold Mueller, 1727 Bristol street, Philadelphia. Owner, Mrs. White, Overbrook, Philadelphia. Brick, 2½ stories, 44x55 feet, slate roof, oak floors, stone foundations, hot water heat, electric light, tile work, iron work. Architect has received bids.

**Residence (int. alts.)**, 1901 North Seven-



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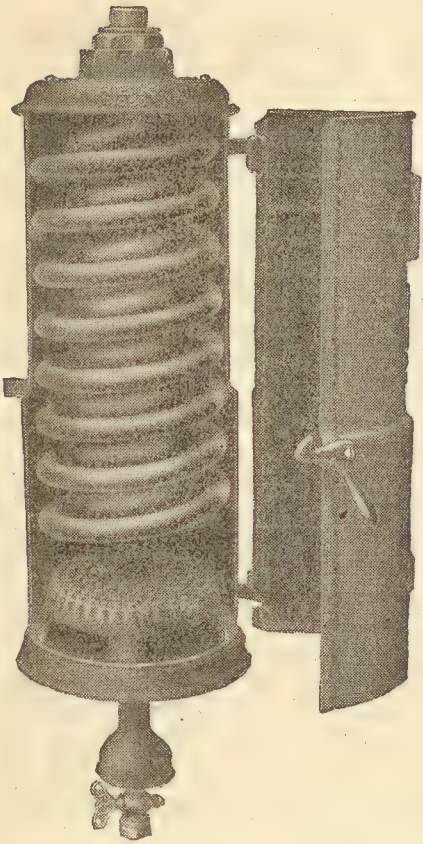


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teenth street, Philadelphia. Architect, E. Allen Wilson, 1218 Chestnut street, Philadelphia. Owner, Israel Hecht, Bailey Building, Philadelphia. Interior alterations, hot water heat, electric light, tile and marble work, new stairways. Architect taking bids due Aug. 2nd. Wills-Ludwick Co., 1708 Sansom street; A. R. Raff Cont. Co., 1635 Thompson street, and J. Sims Wilson Co., 1125 Brown street, are figuring.

**Residences (2) (alts.) to Stores and Apartments, 5226-28 Walnut street.** Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Eli Walls, 275 South Fifty-second street, Philadelphia. Hot water heat, electric light, tile work, plumbing, flush bulks. Architect taking bids due Aug. 1st. W. J. Irwin, 5927 Kingsessing avenue; J. D. Fisher, 5424 Thompson street, and LeRoy K. Smith, Forty-second and Chester avenue, are figuring.

**Garage, Fifty-second and Willows avenue, Philadelphia.** Architect, E. Allen Wilson, 1218 Chestnut street, Philadelphia. Owner, name withheld. Brick, 1 story, 95x120 feet, slag roof, cement floors, hot water heating, electric lighting. Plans in progress.

**Twin Residences (2), Queen Lane Manor, Philadelphia.** Architects, Hawley & Hawley, Midvale avenue and Stokley street. Owners, Queen Lane Land Co., Witherspoon Building, Philadelphia. Brick and rough cast, 2½ stories, 35x50 feet, shingle roof, oak and pine floors, stone foundations, hot air heat, electric light, tile work, metal lath, iron work. Architect taking bids due July 31st. Wills-Ludwick Co., 1708 Sansom street; Fred Elvidge & Son, 5522 Germantown avenue; Metzger & Fisher, Otis Building, and Pringle Borthwick, 8018 Germantown avenue, are figuring.



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**Residence, Overbrook, Philadelphia.** Architects, Druckenmiller & Williams, 1527 Chestnut street, Philadelphia. Owner, Green Hill Farms, Sixty-fourth and City Line, Overbrook, Philadelphia. Hollow tile and plaster, 2½ stories, 25x60 feet, shingle roof, oak floors, stone foundations, electric light, tile work. Owners will be ready for bids in a few days.

**Residence and Garage, Lakeside avenue, Oak Lane, Philadelphia.** Architects, Gambler & Albright, 214 East Johnson street, Germantown. Owner, S. Henry Wright, 5 Ashbury Terrace, Oak Lane, Philadelphia. Stone, 2½ stories, 35x50 feet, slate and cement roof, oak floors, hot water heat, electric light, tile work. Architects have received bids.

**Garage, Fillmore and Horrock streets, Frankford, Philadelphia.** Architects, Clark & Dudnick, Drexel Building, Philadelphia. Owner, name withheld. Brick, 1 story, 18x20 feet, J-M roofs, cement floors (heating, plumbing and electric light reserved). Architects will take sub-bids.

**Residence, Fox Chase, Philadelphia.** Architect, Paul J. Kamper, Widener Building, Philadelphia. Owner, Albin Nebel, 5329 North Howard street, Philadelphia. Frame and stucco, 2½ stories, 23x36 feet, shingle roof, oak floors, pipeless heat, electric light, metal lath. Architect ready for sub-bids.

**Garage and (2) Houses, Chestnut Hill, Pa.** Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, E. T. Stotesbury, 1925 Walnut street, Philadelphia. Brick and concrete, 1 and 2 stories, (2) 92x28 feet and 55x137 feet, slate roof, cement floors, stone foundations, steam heat, electric light, tile work, waterproofing, iron work. Architect taking bids due July 31st. Irwin & Leighton, 126 North Twelfth street; Cramp & Co., Denckla Building; George F. Payne & Co.,

401 South Juniper street, and Milton W. Young, Overbrook, Pa., figuring.

**Shop, Richmond and Kennedy streets, Philadelphia, \$8,000.** Architect, private plans. Owner, Charles Lennig & Co., Inc., 112 South Front street, Philadelphia. Brick, 1 story, 32x80 feet. Owners will build.

**Residence, Oak Lane, Philadelphia.** Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Reuben Windisch, 6603 North Broad street, Philadelphia. Stone, 2½ stories, 21x58 feet, slate roof, oak and pine floors, hot water heat, electric light, tile work. Owner is taking bids.

**Twin Residences (3 prs.), Germantown, Philadelphia.** Architects, Hawley & Hawley, Midvale avenue and Stokley street, Philadelphia. Owner, B. B. Lister & Son, 5612 Germantown avenue, Philadelphia. Rough cast, 2 stories, 38x16 feet, stone foundations, shingle roof, oak floors, hot air heat, electric light, tile work, metal lath, iron work. Architects taking bids and sub-bids due July 31st. Wills-Ludwick, 1708 Sansom street, Philadelphia, only bidder.

**New Front, Bank Building, Seventh and Morris streets, Philadelphia.** Architects and Engineers, Golove & Lewis, Real Estate Trust Building, Philadelphia. Owners, The Public Bank, Seventh and Morris streets, Philadelphia. Brick, steel, terra cotta, 2 stories, stone foundations, slag roof, steam heat, electric light, tile and marble work, metal lath, bank fixtures, vault, carpentry, mill work, plumbing, plastering, painting and glazing. Ready for bids in ten days.

**Stores (2) and Offices (8) (alt. and add.), Seventh and Morris streets, Philadelphia.** Architects and Engineers, Golove & Lewis, 1238 Real Estate Trust Building. Owners, Board of Directors, The Public Bank, Seventh



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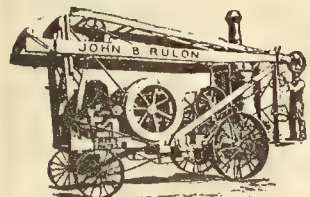
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**Restaurant (alt. and add.),** 1536 South street, Philadelphia. Architects and Engineers, Golove & Lewis, 1238 Real Estate Trust Building. Owner, A. Wax, 1534 South street, Philadelphia. Brick, 2 story add., 40x16 feet, stone foundations, slag roof, maple floors, steam heat, electric light, tile and marble work, metal lath, rolled steel skylights, metal ceilings, iron work. Plans in progress.

**Garage,** Eighth and Mountain streets, Philadelphia. Architects and Engineers, Golove & Lewis, Real Estate Trust Building, Philadelphia. Owner, A. Dessen, Eighth and Morris streets, Philadelphia. Brick, 2 stories, 48x16 feet, stone foundations, slag roof, cement and pine floors, electric light, iron work. Plans in progress.

**Garage,** 4112 Parkside avenue, Philadelphia. Architects and Engineers, Golove & Lewis, Real Estate Trust Building, Philadelphia. Owner, M. Wax, 4112 Parkside avenue, Philadelphia. Brick, 1 story, 32x14 feet, stone foundations, slag roof, cement floors, electric light (heating reserved), iron work. Plans in progress.

**Apartment House,** Pulaski and Erie avenues, Philadelphia. Architect, private plans. Owner, N. D. Streeter, on premises. Brick, 4 stories, 88x100 feet, slag roof, pine floors, metal lath, roof ventilators, stone foundations, steam heat, electric light, tile work, iron work. Owner has received bids.

**Bank Building,** Northwest Corner Fourth and Lombard streets, Philadelphia. Architect, J. Horace Frank, Real Estate Trust Building, Philadelphia. Owner, M. L. Blitzenstein, Northeast Corner Fourth and Lombard streets, Philadelphia. Indiana limestone and stone columns, 1 story and mezzanine floor, etc. Revised plans in progress.

**Store (int. alts.),** 1306 Chestnut street, Philadelphia. Architect, Davis B. Bassett, Perry Building, Philadelphia. Owner, George Miller, 1306 Chestnut street, Philadelphia. Alterations to first floor and mezzanine, composition floors, iron work, carpentry, brick work, metal doors, electric work, hardware, painting and glazing, steel work, plastering. Architect taking bids due July 30th. Lam Building Co., 1001 Wood street; F. L. Hoover & Son, 1023 Cherry street; J. Sims Wilson Co., 1125 Brown street, and Pomeroy Const. Co., 1609 Ranstead street, figuring.

**Building (alts. and add.) to Garage,** Woodstock and Montgomery avenue. Architects, Ballinger & Perrot, Seventeenth and Arch streets. Owners, American Stores Co., York avenue and Noble street. Brick and steel, 2 stories, 115x215 feet, slag roof, cement and

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maple floors, hollow tile, tile work, rolled steel sash, fire doors and kalamein doors, iron work. Architects have received bids.

**Factory,** American street above Allegheny avenue. Architects, Andrew J. Sauer & Co., Denckla Building, Philadelphia. Owner, Bernstein Mfg. Co., on premises. Brick, 2 stories, 52x150 feet, slag roof, maple and concrete floors, metal lath, stone foundations, steam heat, electric light, rolled steel sash, skylights, dampproofing, iron work. Architects have received bids.

**Residence (alt.),** 1424 North Fifteenth street, Philadelphia. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, Mrs. Louis E. Levy, 1424 North Fifteenth street, Philadelphia. Brick, 3 stories, brick work, stone work, carpentry, oak floors, plastering, hardware, painting, tile work, plumbing. Architect taking bids due July 30th. Smith-Hardican Co., 1606 Cherry street, and Lam Building Co., 1001 Wood street, are figuring.

**Saloon (alts.) to Store,** 818 North Tenth street, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, V. Fiedler, on premises. Electric lighting, steam heat, tile and marble work, cabinet work, metal ceilings, flush bulks, copper work. Owner taking bids due as soon as possible. J. Sims Wilson Co., 1125 Brown street; Max Cotler, 1220 North Forty-second street, and A. Warshofsky, 810 North Marshall street, are figuring.

**Residence (alts.) to Synagogue,** 2914 North Twenty-second street, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, Beth Abraham Congregation, care of architect. New Indiana limestone and tapestry brick front, pine floors, hot water heat, electric lighting, marble work, mill work, leaded glass, hollow metal skylights, ornamental iron work. Architect will be ready for bids in a few days.

**Store Building (alts.),** 4105-07 Market street, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, I. Felisher & Co., on premises. Electric lighting, marble work, hollow metal skylights, maple floors, metal ceilings, flush bulks, ornamental iron work, structural steel, mill work and store fixtures. Owner will take bids in a few days.

**Elevated Track, Cont.** 562, Kensington avenue, Frankford avenue and Front street, between Callowhill and Harrison streets. Architect, private plans. Owners, City of Philadelphia, Department of City Transit, Mershon Building, Philadelphia. 11 3-10 miles of tracks, (single) stone ballast and short

ties, imbedded in concrete. Owners taking bids, due Aug. 19th at noon.

**Saw Mill and Boiler House,** Venango and Amber streets, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, A. Schoenhut Co., Adams and Sepviva streets. Brick and concrete, 2 stories, 55x153 feet, slag roof, cement floors, stone foundations, rolled steel sash and skylights, fire doors, iron work (heating and electric lighting, sprinklers, elevators and equipment separate bids). Architects taking bids due at owners' office Aug. 5th. P. Haiback Cont. Co., Twenty-sixth and Thompson streets; George Kessler Cont. Co., Drexel Building; F. B. Davis, 240 North Sixteenth street; W. O. Springer, 1624 Latimer street; Robert E. Lamb Co., 843 North Nineteenth street; Ketcham & McQuade, 1029 Brown street, and Sutton & Stephenson, 1317 Washington avenue, are figuring.

**Manufacturing Plant (add.),** Fifth and Master streets, Philadelphia. Engineers, William Steele & Sons Co., Inc., Sixteenth and Arch streets. Owner, Drueding Bros., on premises. Brick, steel and reinforced concrete, 8 stories, 90x100 feet, slag roof, cement floors, concrete foundations, steam heat, electric light, rolled steel sash and skylights, fire doors, metal lath, elevators, safety treads, waterproof, dampproof, iron work. Plans in progress.

**Sales and Service Building,** 1425 North Broad street, Philadelphia. Architect, LeRoy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, Hartford Realty Co., 859 North Broad street, Philadelphia. Brick, stone and steel, 2 stories, 30x160 feet, slag roof, maple floors, metal lath, metal ceilings, iron work, stone foundations, steam heat, electric light, rolled steel skylights. Architect taking bids due Aug. 2nd from Hogg Cons. Co., Denckla Building.

**Church and Sunday School,** Seventh and Norris streets, Philadelphia. Architect, Charles W. Bolton & Son, Witherspoon Building, Philadelphia. Owner, Seventh Street Methodist Church, care of A. L. Copper, on premises. Stone. Preliminary plans in progress. Too early for details.

**Dwellings (24),** South side Orange avenue, West of Sixty-second street, \$125,400. Architect, private plans. Owner, Rubin & Cohen, 411 South Sixty-second street, Philadelphia. Brick, 2 stories, 16 feet 2 inches x 40 feet and 15 feet 4 inches x 29 feet, 12 feet 4 inches x 11 feet, hot water heat. Owner will build.

**Dwelling,** Southeast Corner Pastorius street and Germantown avenue, Philadelphia, \$3800. Architect, private plans. Owner, John F.



# Elevator Enclosures

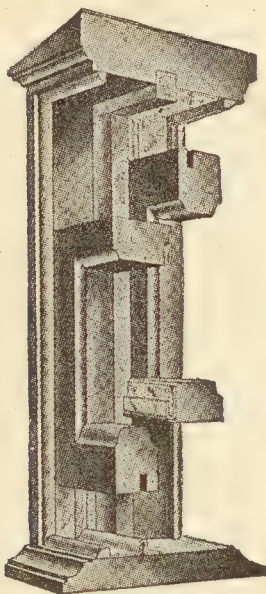
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Conlin, 5340 Germantown avenue, Philadelphia. Alterations to tenement. Owner will build.

**Globe Theatre (alts.),** Fifty-ninth and Market streets, Philadelphia. Architects, Hoffman & Henon Co., Finance Building, Philadelphia. Owners, Globe Theatre, on premises. New heater room and coal storage, plumbing, plastering, painting, carpentry, roof repairs, cement floors, stone foundations, steam heat, electric light, iron work. Architects taking bids due July 30th. John R. Wiggins Co., Otis Building; Ketcham & McQuade, 1029 Brown street; P. M. Sax, Franklin Bank Building, and William R. Dougherty, 1610 Sansom street, are figuring.

**Building (alts. and add.),** 1031 Market street, Philadelphia. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Frank & Seder, on premises. Brick and steel, 4 stories, 20x46 feet, slag roof, pine floors, metal lath, stone foundations, vacuum heat, electric light, metal lath, fire doors. Architects taking bids due Aug. 1st. H. H. Burrell, 206 South Quince street; Warren-Moore Co., Colonial Trust Building; Frank G. Stewart, 1619 Sansom street; Smith-Hardican Co., 1606 Cherry street, are figuring.

**Store Front (alts.),** Eleventh and Chestnut streets, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets. Owners, Cunningham Piano Co., on premises. Stone work, lumber and carpentry, steel, iron and cabinet work, parquet floor, brass work, plastering. Architects taking bids due July 31st. F. B. Davis, 240 North Sixteenth street; F. L. Hoover & Son, 1023 Cherry street; Ketcham & McQuade, 1029 Brown street; A. R. Raff Const. Co., 1635 Thompson street; Robert E. Lamb Co., 843 North Nineteenth street, and H. H. Burrell, 206 South Quince street, are figuring.

**Store Building (alts. and add.),** 1230 Market street, Philadelphia. Architect, Davis Bassett, Perry Building, Philadelphia. Owners, A. H. Geuting Co., on premises. New front and brick addition, 3 stories and basement, 20x56 feet, slag roof, cement and oak floors, metal lath, stone foundations, steam heat, electric light, kalamein doors, 1 freight elevator, dumb waiter. Architect taking bids, due August 4th. J. S. Rogers Co., Drexel Building; Pomeroy Const. Co., 1609 Ransstead

street; F. L. Hoover & Sons, 1023 Cherry street; J. Sims Wilson Co., 1125 Brown street, and Lam Building Co., 1001 Wood street, are figuring.

**Office Building,** Trenton avenue and Tioga street. Architect, David Bassett, Perry Building, Philadelphia. Owners, Thos. Henry & Son, on premises. Brick, stone and reinforced concrete, 2 stories and basement, 40x45 feet, slag roof, composition and oak floors, concrete foundations, steam heat, electric light, tile and marble work, ornamental iron work. J. S. Rogers Co., Drexel Building, taking sub-bids.

**Film Exchange,** Broad and Vine streets, Philadelphia. Architects, Fieldstein & Schaef, Penfield Building, Philadelphia. Owner's name withheld. Brick and stone, 2 stories, 40x100 feet, slag roof. Plans in progress. Architects ready for bids in a week.

**Residence (alts. and add.),** Oak Lane, Philadelphia. Architects, Simon & Simon, 249 S. Juniper street, Philadelphia. Owner, Leo H. Heimerdinger, 315 North Twelfth street, Philadelphia. Stone, 2½ stories, general interior alterations. Ready for bids.

**Factory,** Sixteenth and Reed streets, Philadelphia. Architects, F. E. Hahn & Co., 1112 Chestnut street, Philadelphia. Owners, Jacob Miller Sons Co., Sixteenth and Reed streets. Reinforced concrete, 5 stories. Architects taking bids. H. E. Baton, 1713 Sansom street; Cramp & Co., Denckla Building; Warren-Moore Co., Colonial Trust Building; Wm. Steele & Sons Co., Sixteenth and Parkway; Wark & Co., 1737 Filbert street; Irwin & Leighton, 126 North Twelfth street; Turner Const. Co., 1713 Sansom street; F. W. Mark Cont. Co., Commonwealth Building; Wm. R. Dougherty, 1610 Sansom street; A. R. Raff Cont. Co., 1616 Thompson street, and Fred T. Ley Co., 1307 Finance Building, are figuring.

**Residence (alts. and add.),** 129 South Eighteenth street, Philadelphia. Architects, Fieldstein and Schaef, Penfield Building, Philadelphia. Owner's name withheld. Brick, 3 stories, general interior alterations, tile and marble work. Plans in progress. Ready for bids in a week.

**Theatre, Stores, Apartment House,** Broad and Allegheny avenue, Philadelphia. Architect selected, Thos. W. Lamb, 644 Eighth avenue, New York City. Owner, Joseph C. Cohen,

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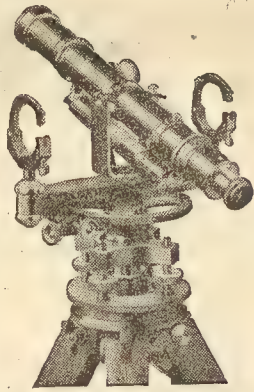
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Weave Shed (extension), Twelfth and Jackson streets, Philadelphia. Engineer, Chas. A. Blatchey, const. eng., on premises. Owners, Wm. F. Read & Sons Co., on premises. Brick and steel, 1 story, 47x130 feet, slag roof, concrete floors, wire window guards, concrete



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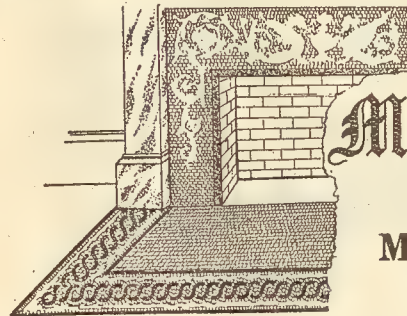
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## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Restaurant Building**, 116-18-20 South Thirteenth street, Philadelphia, \$100,000. Architect, Henry P. Schneider, 3713 Old York road. Owner, Boothby Hotel Co., 1225 Chestnut street, Philadelphia. Steel and brick (fire-proof), 3 stories, 60x66 feet, tile and slag roof, cork tile floors, tile and marble work, gypsum tile, metal lath, (2) electric elevators, waterproof, dampproof, metal bulks, folding doors, hollow metal sash, mill work, steam heat, electric light, stone foundations, bar fixtures, kitchen fixtures and equipment. Contract awarded to Henry P. Schneider, 3713 Old York road.

**Dwellings (9) and Garages (6)**, Hansberry and Greene streets, Germantown, \$60,000. Architect, private plans. Owner, Samuel T. Hall & Co., Liberty Building, Philadelphia. Frame and plaster, 2 stories, 16x52 feet, and 1 story, 10x19 feet, slag roof, etc. Contract awarded to Henry P. Schneider, 3713 Old York road.

**Store Building**, Fifteenth and Parkway, \$3500. Architects, Seeburger & Rabenold, 1524 Chestnut street. Owners, J. Walter Rosenberg and Jesse J. Schamberg, care of architects. Brick and marble, 1 story, 9x13x16 feet, slag roof, tile floors, hot water heat, electric lighting, tile and marble work, iron work. Contract awarded to Albert Zellfelder, 151 South Broad street.

**Garage (add.)**, 2310-12 Fairmount avenue, Philadelphia, \$5847. Architect, private plans.

Owner, P. Robin, on premises. Brick, irregular size. Contract awarded to James McCann, 1704 Poplar street, Philadelphia.

**Schools**, Philadelphia. Architects, private plans. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Belmont School, Spec. 234, awarded to E. C. Durell, 1713 North Twenty-fourth street, \$5142. Germantown School, No. 2, Spec. 274, awarded to C. E. Mundy & Co., 228 South Alder street, \$4670. Germantown School, No. 2, Spec. 275, awarded to H. H. Wehmeyer, 5099 West Cumberland street, \$11,343.

**Warehouse**, Orianna and Willow streets, Philadelphia, \$10,000. Architect, private plans. Owner, Philip Rudolph, on premises. Brick, slow burning construction, 4 stories, 30x20 feet and 14x19 feet, slag roof, maple floors, mill work, tin lined doors (light reserved). Contract awarded to William F. Koelle & Co., Twenty-sixth and Oxford streets.

**Garage (alt. and add.)**, Glenwood avenue, West of Twenty-first street, Philadelphia, \$4,000. Architect, private plans. Owner, R. A. & J. J. Williams Co., Twenty-second and York streets, Philadelphia. Brick, 2 stories, 31x14 feet, tin roof, steam heat, electric light, cement and pine floors, metal lath. Contract awarded to H. E. Grau Co., 1707 Sansom street, Philadelphia.

**Residence**, Fifty-third and Wynnefield avenue, Philadelphia. Architect, Frank See-

burger, 1524 Chestnut street, Philadelphia. Owner, Mrs. Maurice L. DeLong, 1909 Chestnut street. Stone, 2½ stories, 20x45 feet, wing 15x16 feet, shingle roof, oak floors, stone foundations, electric lighting, tile work (heat and plumbing reserved). Contract awarded to J. E. Kearney, 34 South Seventeenth street, Philadelphia.

**Church (alts.)**, Twentieth and Spring Garden streets, Philadelphia. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owner, Spring Garden Methodist Episcopal Church, on premises. Interior alterations. Contract awarded to Samuel J. Rea & Son, 1741 Fairmount avenue.

**Branch Office**, Broad and Ruscomb streets, Philadelphia. Architect, Arthur H. Brookie, 1713 Sansom street, Philadelphia. Owner, Germantown Trust Co., Germantown and Cheltenham avenues. Brick, stone and steel, 1 story, 24x53 feet, slag roof, maple floors, metal lath, stone foundations, vapor heat, electric light, marble and terrazzo work. Contract awarded to H. H. Burrell, 206 South Quince street, Philadelphia.

**Residence**, Moreland avenue above Navahoe street, Germantown. Architect, C. A. Ziegler, Stephen Girard Building, Philadelphia. Owner, J. K. Williams, 1420 Pine street, Philadelphia. Stone, 2½ stories, 32x65 feet, shingle roof, oak floors, hot water heating, electric. Contract awarded to F. B. Davis, 240 North Sixteenth street, Philadelphia.

**Dwelling (add.)**, 2208 North Fifty-first street, Philadelphia, \$3500. Architect, private plans. Owner, Philip Publicker, on premises. Stone, 2 stories, 36x14 feet, oak floors, electric light. Contract awarded to Joseph Levin, 1402 South Second street, Philadelphia.

**Office (add.) and Garage**, North side Green street, East Hottter street, \$6400. Architect, private plans. Owner, Isaac Nicholson, Upsal street, Germantown, Philadelphia. Brick, 1 story, 12x22 feet 8 inches and 57x19 feet.



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Contract awarded to Barclay White Co., 1713 Sansom street, Philadelphia.

**Storage Building (alt.)**, Southwest Corner Aramingo and Tioga streets, Philadelphia, \$2500. Architect, private plans. Owner, J. Stern & Sons, on premises. General alterations. Contract awarded to F. A. Havens Co., 845 North Nineteenth street, Philadelphia.

**Dwelling (alts.)**, 1719 Arch street, Philadelphia, \$2000. Architect, private plans. Owner, Medico Chi Hospital, Eighteenth and Cherry streets, Philadelphia. General alterations. Contract awarded to A. MacTavish, 1515 Pine street, Philadelphia.

**Garage**, Northeast Corner Cambridge and Watts streets, Philadelphia, \$26,000. Architect, private plans. Owner, W. R. Parker, 309 Finance Building, Philadelphia. Brick, 2 stories, 48x94 feet, cement floor. Contract awarded to A. Hartman, 309 Finance Building, Philadelphia.

**Factory (alt.)**, 1021-27 Ridge avenue, Philadelphia, \$5000. Architect, private plans. Owner, William Lewis Est., on premises. Brick, fire tower, inside building, 6 stories. Contract awarded to F. W. Van Loon, Denckia Building, Philadelphia.

**Factory (add.)**, Main street, North of Shurs Lane, Philadelphia, \$3000. Architect, private plans. Owner, William Spink, on premises. Brick, 2 stories, 11x17 feet. Contract awarded to William H. Eddleman & Sons, 453 Green Lane.

**Residence**, Upsal Station, Germantown, \$12,000. Architect, T. F. Dillon, 1017 Chestnut street. Owner, J. Nevin Pomeroy, Pelham and Emlen streets, Germantown. Brick, 2½ stories, 32x37 feet, 10x21 feet, shingle roof, oak floors, hot water heat. Contract awarded to H. E. Baton, 1713 Sansom street, Philadelphia.

**Residence (alts. and add.)**, 714 Pine street, Philadelphia, \$3,000. Owner, L. Green, 512

South Fifth street, Philadelphia. Brick, 1 story, 3x30 feet, slag roof. Contract awarded to B. Bornstein, 1512 North Franklin street, Philadelphia.

**Hospital (int. alts.)**, Broad and Ontario streets, Philadelphia. Architect, private plans. Owners, Samaritan Hospital, Broad and Ontario streets. Alterations to third floor, brick work, mill work, carpentry, hollow tile, plastering, glazing. Contract awarded to Standard Const. Co., 1713 Sansom street, Philadelphia.

**Warehouse (add.)**, 1215 North Third street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, Rice Bros., on premises. Brick, 3 stories, 18x60 feet, slag roof, pine floors, stone foundations (heat reserved), electric lighting. Contract awarded to Hogg Const. Co., 1634 Sansom street, Philadelphia.

**Factory**, northeast corner of State Road and Hellerman street, Philadelphia, \$48,000. Architect, private plans. Owner, Kern Dodge, Morris Building, Philadelphia. Steel, frame and brick, 1 story, 118x180 feet. Contract awarded to Austin Co., Bulletin Building, Philadelphia.

**Warehouse**, 204 North Water street, Philadelphia, \$10,000. Architect, private plans. Owners, Birdsing & Co., 136 North Delaware avenue, Philadelphia. Repair fire damage. Contract awarded to Clepton Lofland, Water and Race streets, Philadelphia.

**Church**, 2434-38 Ridge avenue, Philadelphia, \$15,000. Architect, private plans. Owners, A. M. E. Church, care of Morris Brown, on premises. Brick, 1 story, 41½x76 feet, hot air heat. Contract awarded to Rev. Gaines, 1845 Ringgold street, Philadelphia.

**Store and Dwelling (alts and add.)**, 1334 North Fifty-second street, Philadelphia, \$3,425. Owner, A. Gill, on premises. Brick, 1 story, 15½x12 feet. Contract awarded to L. Cohen, 4239 Leidy street, Philadelphia.

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**Dwelling**, Sixty-seventh avenue and Fairhill street, Philadelphia, \$8,500. Architect, private plans. Owner, J. Philip Dornemann, 502 Sixty-seventh avenue, Philadelphia. Brick, 3 stories, 27x34 feet and 12x11 feet, hot water heat. Contract awarded to Essick Const. Co., 1345 Arch street, Philadelphia.

**Store (add.)**, Rockland and Camac streets, Philadelphia, \$7,000. Architect, private plans. Owner, Henry Gimbel, 1214 Rockland street, Philadelphia. Brick, 1 and 2 stories, 16x68 feet, 16x18 feet. Contract awarded to F. I. Wintz, 1618 North Twenty-seventh street, Philadelphia.

**Store and Office**, 148 North Second street, Philadelphia, \$3,685. Architect, private plans. Owner, Girard Trust Co., on premises. General alterations. Contract awarded to J. Morris Daniels, 252 South Juniper street.

## Pennsylvania

### Construction News

**School (add.)**, Hatboro, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, School Board, Hatboro, Pa. Brick and plaster, 2 stories, 4 rooms, stone foundations, shingle roof, maple floors, hot air heat, electric light (plumbing, heating and electric work reserved). Plans about completed.

**Residences (1 pair)**, Pusey and Clifton avenues, Collingdale, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Christian Hansen, East Lansdowne, Pa. Brick and stone, 3 stories, 16x47 feet, stone foundations, shingle roof, hot water heat, electric light. Owner taking sub-bids.

**Infirmiry (add.)**, Pottstown, Pa. Architects, Hewitt & Ash, Bullitt Building, Philadelphia. Owner, Hill School, Pottstown, Pa. Brick, 2½ stories, 32x50 feet, slate roof, steam heat, electric lighting. Preliminary plans in progress.

**Residences (5)**, Cynwyd, Pa. Architect, E. Allen Wilson, 1218 Chestnut street, Philadelphia. Owner, G. Percy Fox, 607 North Fortieth street. Stone, 3 stories, slag roof, oak floors, hot water heating, electric lighting, tile and marble work. Plans in progress.

**School (add. and alt.)**, Willow Grove, Pa. Architect, Harry Parker, 129 South Fifth street, Philadelphia. Owner, Upper Moreland Township, Willow Grove, Pa. Stone, 2 stories, slag roof, steam heat, electric light. Owner ready for bids due August 18th.

**Stable**, Walnut street, Allentown, Pa., \$15,000. Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owner,

Portland Cement, Sand or Gravel by carload. Consult **DAVID FRANCE CO.**, Tasker Street Wharf, Delaware River, Philadelphia.



Kolbs' Bakery, care of J. F. Dickebohm, manager, Hamilton street, Allentown, Pa. Brick, 2 stories, 30x130 feet. Drawing plans. Anthony J. O'Donnell 344 Ridge avenue, Allentown, Pa., will build.

**Residence**, Drexel Hill, Pa. Architect, E. Allen Wilson, 1218 Chestnut street, Philadelphia. Owner, M. I. Ryan, 5632 Summer street, Philadelphia. Stone, 3 stories, slate roof, hardwood floors, hot water heat, tile work, marble work, electric light. Plans in progress.

**Residence**, Melrose, Pa. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, W. H. Brinkworth, 1323 Melon street, Philadelphia. Stone, 2½ stories, 44x52 feet, slate roof, oak floors and pine floors, hot water heat, electric light, tile work. Plans in progress.

**Garage**, Easton, Pa. Architect, A. D. Childsey, 34½ Northampton street, Easton, Pa. Owner, Northampton Silk Co., care of Hartley (Haylock, Easton, Pa. Brick and reinforced concrete, 1 story, 25x35 feet, concrete foundations, concrete roof and floors, electric light. Owner will build.

**Residence**, Wallingford, Pa. Architect, R. Brognard Okie, Crozer Building, Philadelphia. Owner, name withheld. Stone and frame, 2½ stories, 30x65 feet, shingle roof, oak and N. C. pine floors, hot air heat, electric light. Preliminary plans in progress.

**Farm House (alts. and add.)**, West Grove, Pa. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, E. Maule, West Grove, Pa. Stone and plaster, 2½ stories, general alterations and additions, heating renovation, plumbing. Architects will sub-let.

**Bungalow and Garage**, Penfield, Pa. Architects, Pollock & Rust, 1802 Chestnut street, Philadelphia. Owner, R. Hickox, 5826 Angora Terrace, Philadelphia. Frame, 1 story, 25x45 feet, garage, 18x18 feet, shingle roof, composition and oak floors, stone foundations, hot water heat, electric lighting. Architect taking bids due as soon as possible. F. B. Davis, 240 North Sixteenth street, is figuring.

**Silk Mill**, Penn street, Allentown, Pa. Architect, David Levy, 949 Hamilton street, Allentown, Pa. Owners, Chanock & Senderwitz, 955 Hamilton street, Allentown, Pa. Brick, mill construction, 3 stories. Work contemplated.

**Silk Mill**, Allentown, Pa., \$35,000. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, Iron Warp Silk Mill, care of R. M. Engle, manager, Ninth and Greenleaf streets, Allentown, Pa. Reinforced concrete, 2 stories, 125x68 feet, slag roof, maple floors, vacuum heat, electric light, standard plumbing, metal sash, corrugated skylights. Owner will take general and sub-bids in one week.

**School (add.)**, Catasauqua, Pa. Architects, Ruhe & Lang, 12 North Sixth street, Allentown, Pa. Owners, St. Lawrence's Roman Catholic School, care of Rev. F. Conner, Catasauqua, Pa. Brick, 2 stories, 4 rooms, concrete foundations, slate roof, maple floors, electric light. Architect taking bids due August 9th.

**Shoe Factory and Office Building**, Eighth and Harrison streets, Allentown, Pa., \$80,000. Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owner, Haas & Berger Co., 20 South Halls streets, Allentown, Pa. Brick, 4 stories, 189x45 feet, concrete foundations, concrete and maple floors, electric light

(office building outside). Architect ready for revised bids.

**Residence**, South Allentown, Pa. Architect, J. W. Reilly, 725 Hamilton street, Allentown, Pa. Owner, H. L. Cope, 617 Cherry street, Allentown, Pa. Stone, 1½ stories, 27x30 feet, stone foundations, slate roof, hardwood floors, hot water heat, electric light, tile work. Owner taking general bids.

**Silk Mill**, Butztown, Pa., \$20,000. Architects, Ruhe & Lange, 12 North Sixth street, Allentown, Pa. Owner, R. K. Laros Silk Co., 215 Highland avenue, Bethlehem, Pa. Brick, steel, mill construction, 1 story and basement, 60x200 feet. Owners taking sub-bids.

**Garage and Repair Shop**, West York, Pa. Architect, Edward Leber, Hay Building, York, Pa. Owner, Pfaltzgraff Pottery Co., care of George Pfaltzgraff, York, Pa. Hollow tile, 1 story, irregular size, concrete foundations, prepared slag roof, cement floors, electric light. Preliminary plans in progress.

**Residence**, Walnut street, Lancaster, Pa. Architect, M. R. Evans, 10 East Orange street, Lancaster, Pa. Owner, H. L. McClure, Lancaster, Pa. Brick, 2½ stories, 40x26 feet, slate roof, hardwood floors, electric light, tile work. Plans revised.

**Hall, Lodge, Social Quarters and Swimming Pool**, South Beaver street, York, Pa. Architects, Gimmel & Billmeyer, Rossmile Building, York, Pa. Owner, York Labor Temple Association, York, Pa. General interior work, slag roof, hardwood floors, tile and marble work. Sketches in progress.

**School (add.)**, Spring Grove, Pa., \$25,000. Architect, private plans. Owner, Spring Grove School Board, care of P. H. Hershey, Spring Grove, Pa. Brick and stone, 2 stories, 40x50 feet, slag roof, hardwood floors, electric light, tile work, hollow metal skylights, roof ventilators, hardwood interior trimming. School Board taking bids due July 30th. W. B. Stambaugh, Spring Grove, Pa.; Hess Bros. & L. Menough, York, Pa., are figuring.

**Residence**, Cottage avenue, Lancaster, Pa. Architect, M. R. Evans, 10 East Orange street, Lancaster, Pa. Owners, Annie and Fannie Schaffer, Lancaster, Pa. Brick, 2½ stories, 22x36 feet, slate roof, hardwood floors, hot air heat, electric light, tile work. Architect will take bids August 1st.

**Residence**, Cynwyd, Pa. Architects, Stackhouse & Parker, 129 South Fifth street, Philadelphia. Owner, Daniel Houseman, 5214 Morris street. Stone and frame, 2 stories, 32x37 feet, slate roof, oak floors, electric light, tile and marble work, stone foundations, iron work (heat reserved). Architects taking bids due August 5th. A. G. Sparks, Merion, Pa.; J. E. Kearney, 34 South Seventeenth street; W. O. Springer, 1624 Latimer street; Alfred James, Bala, Pa.; Mower Bros., Merion, Pa.; Fred Elvidge & Son, 5522 Germantown avenue, and A. L. Fretz & Son, Heed Building, are figuring.

**School**, West Side, Bethlehem, Pa. Architect, Verus T. Ritter, North American Building, Philadelphia. Owner, Board of Education, Bethlehem, Pa. Brick, reinforced concrete, 3 stories, concrete foundations, hollow tile, metal lath, tile, marble, terrazzo and slate work, composition roof, wood block, terrazzo and hemlock floors, hollow metal skylights, ornamental iron work. Owners will take revised bids.

**High School (alts. and add.)**, Conneautville, Pa., \$30,000. Architect, M. I. Kast, Common-

wealth Building, Harrisburg, Pa. Owners, Conneautville School District, Conneautville, Pa. Brick, 2 stories, 2 annexes, 60x60 feet and 60x60 feet, concrete foundations, composition roof, cement and wood floors, steam heat, electric light, hollow metal sash, roof ventilators. School Board will be ready for bids in one week.

**Country Club (rebuilding)**, Harrisburg, Pa. Architect, Wm. L. Stoddard, 9 East Fortieth street, New York City. Owners, Country Club, care of E. Z. Walloner, chairman, Harrisburg, Pa. General alterations. Architect will take revised bids.

**Apartment (alts.) to Laboratory**, Second and Chestnut streets, Harrisburg, Pa. Architect, Chas. A. Keyworth, Capitol Building, Harrisburg, Pa. Owner, J. Ensminger, 1192 Walnut street, Harrisburg, Pa. General interior alterations. Department of Public Grounds and Buildings taking bids, due as soon as possible.

**School**, West Fairview, Pa., \$30,000. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, West Fairview School Board, care of Fred Seidel, secretary, West Fairview, Pa. Brick, 2 stories, 8 rooms, concrete foundations, slag roof, pine floors, hot air heat, electric light, roof ventilators. Owners taking bids.

**Store and Office (alts. and add.)**, South Second street, Harrisburg, Pa., \$50,000. Architect, F. G. Fanestock, Patriot Building, Harrisburg, Pa. Owner, G. L. Bricker, on premises. Brick, 4 stories, 125x30, concrete foundations, slag roof, reinforced concrete and wood floors, steam heat, electric light, tile and marble work, hollow metal skylights, metal window guards, metal weatherstrips. Architect has received bids.

**Barrack**, Verbeck and Herr streets, Harrisburg, Pa., \$75,000. Owners, Department of Public Grounds and Buildings, Capitol Building, Harrisburg, Pa. Brick. Too early for details.

**Houses (5)**, Bellevue Park, Harrisburg, Pa. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owners, Investors Realty Co., Harrisburg, Pa. Brick and stucco, 2 and 2½ stories. Preliminary plans in progress.

**Synagogue**, Front and Seneca streets, Harrisburg, Pa., \$50,000. Architect, F. G. Fanestock, Patriot Building, Harrisburg, Pa. Owners, Oher Sholom congregation, Harrisburg, Pa. Stone, 2 stories, 50x80 feet, tile roof, tile and wood floors, vapor heat, electric light, tile, marble and terrazzo work, hollow metal skylights. Sketches in progress.

**Garage and Office and Show Room**, Twenty-fourth and Brown streets, Philadelphia. Architects, Markley & Starr, Spooner Building, Harrisburg, Pa. Owners, Kelley Truck Distributors, care of J. E. Dare, Eighteenth and Chestnut streets, Harrisburg, Pa. Brick, fireproof, 1, 2 and 4 stories, 130x150 feet, concrete foundations, slag roof, concrete and wood floors, steam heat, electric light, metal sash, roof ventilators, hollow metal skylights, steel trusses, wire work. Owner will be ready for bids in one week.

**Office**, Capitol Grounds, Harrisburg, Pa., \$1,000,000. Architect, A. W. Brunner, Lexington avenue, New York. Owners, Department of Public Grounds and Buildings, G. A. Shreiner, superintendent, Harrisburg, Pa. Granite, 6 stories, 88x280 feet, rolled steel skylights, metal window guards. Plans near completion.

**High School**, Swisswall, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Swisswall School Board, Swisswall, Pa. Brick, reinforced. Revising plans.

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**Chapel**, Wisconsin and Lexington streets, Harrisburg, Pa., \$12,000. Architect, F. G. Fahnestock, Patriot Building, Harrisburg, Pa. Owner's name withheld. Stone, 1 story and basement, 40x60 feet, stone foundations, slate roof, wood floors, hot air heat, electric light. Architect will take bids August 1st.

**School**, Eighteenth and Upland streets, Chester, Pa. Architect, H. C. Richards, care of Board of Education, Nineteenth street, above Chestnut, Philadelphia. Owners, Board of Education, care of A. S. Castle, secretary, Chester, Pa. Preliminary sketches being drawn.

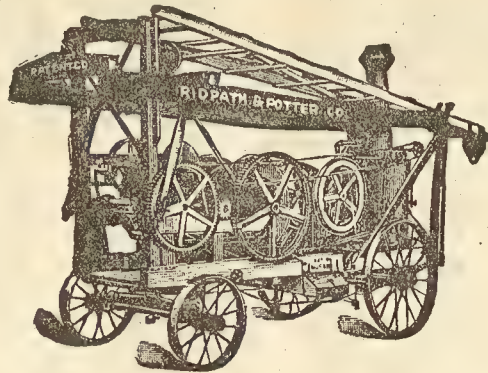
**Lodge Building**, Ninth and Welsh streets, Chester, Pa. Architect, Verus T. Ritter, North American Building, Philadelphia. Owner, Penn Forest, No. 31, Fall Cedar, 604 West Ninth street, Chester, Pa. Brick, 2 stories. Plans in progress.

**Residence and Garage**, Drexel Hill, Pa. Architect, Wm. C. Keck, Drexel Hill, Pa. Owner, Mrs. James K. Cassidy, Drexel Hill, Pa. Stone and stucco, 2½ and 1 story, 40x42 feet, slate roof, parquet and pine floors, stone foundations, hot water heat, electric light, tile work. Architect taking bids from Bowden Const. Co., 1713 Sansom street, due August 11th.

**Residence and Garage**, Drexel Hill, Pa. Architect, M. L. Mosher, 5836 Windsor Place, Philadelphia. Owner, architect. Frame, 2 stories, 26x28 feet, 1 story, 10x18 feet, shingle roof, oak floors, stone foundations, hot water heat, electric light, tile work. Architect taking bids, due August 11th, from Bowden Construction Co., 1713 Sansom street.

**School**, New Boston, Pa. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Township of Mahanoy, Mahanoy City, Pa. Brick, 2 stories, 80x120 feet, slate roof, composition and concrete floors, metal lath, safety treads, dampproofing, mill work (heating, lighting and plumbing reserved). Architect taking bids, due August 5th. Andrew Breslin, Summit Hill, Pa., and Mt. Carmel Lumber Co., Mt. Carmel, Pa., are figuring.

**Church**, Lansdale, Pa. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Methodist Episcopal congregation, care of H. H. Reidler, chairman, Lansdale, Pa. Stone. Plans in progress. Too early for details.



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### Pennsylvania Contracts Awarded

**Residence (alt.)**, 524 North Duke street, Lancaster, Pa. Architect, J. B. Harman, 48 North Queen street, Lancaster, Pa. Owner, M. J. Fiskinger, King and Lane streets, Lancaster, Pa. General interior alterations. Contract awarded to Roy Clark, Lancaster, Pa.

**Stable**, Elkins Park, Pa. Architects, Bissell & Sinkler, Otis Building, Philadelphia. Owner, Mrs. Wharton Sinkler, Elkins Park, Pa. Plaster, 2 stories, 24x60 feet, shingle roof, cement and pine floors, hollow tile, stone foundations (heating and lighting reserved), iron work. Contract awarded to W. John Stevens, Inc., Wyncote, Pa.

**Residence**, Abington, Pa. Architect, Edw. F. Hoffman, 1627 Sansom street, Philadelphia. Owner, Gorham P. Sargent, 309 Walnut street, Philadelphia. Brick and plaster, 2½ stories, 22x33 feet, and 2 stories, 32x33 feet, shingle roof, oak floors, metal lath, tile work, electric light, stone foundations, iron work (heating and plumbing reserved). Contract awarded to E. D. Leber, Abington, Pa.

**Residence**, Pottstown, Pa., \$16,000. Architects, Hewitt & Ash, Bullitt Building, Philadelphia. Owner, Kenneth Howard, care of Hill School, Pottstown, Pa. Hollow tile and stucco, 2½ stories, 28x42 feet and 15x15 feet, shingle roof, composition, oak and pine floors, hot water heat, electric light. Contract awarded to F. H. Kaiser, Pottstown, Pa.

**Garage**, Elkins Park, Pa. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owner, Samuel N. Magill, Elkins Park, Pa. Stone and frame, 1 story, 23x22 feet, stone foundations, shingle roof, cement floors (heating and electric work reserved). Contract awarded to H. John Homan, Middle City Building, Philadelphia.

**Garage (add.)**, 144 East Broad street, Bethlehem, Pa., \$40,000. Architect, A. W. Leh Co., 12 North Sixth street, Allentown, Pa. Owner, National Vulcanize Tire Co., on premises. Fireproof, 2 stories, 30x230 feet, cement floors, electric light. Contract awarded to Bjork, Bron & Riccolte, Bethlehem, Pa.

**Residence (alts.)**, Meixell street, Easton, Pa., \$12,000. Architect, A. D. Chidsey, Jr., 341 Northampton street, Easton, Pa. Owner, G. S. Brown, president, Alpha Portland Cement Co., First National Bank Building, Easton, Pa. Brick, 2½ stories, general interior alterations. Contract awarded to William Snyder, Easton, Pa.

**Silk Mill**, Easton, Pa. Architect, A. D. Chidsey, Jr., 341 Northampton st., Easton, Pa. Owner, Alshuder Bros., Paterson, N. J. Mill construction, 1 story, 60x135 feet, slag roof, steam heat, electric light. Contract awarded to R. T. and C. D. Stewart Cont. Co., Easton, Pa.

ton, Pa.

**Silk Mill**, Broadway, Bethlehem, Pa., \$50,000. Architect, H. J. Siegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, Manhattan Silk Co., 95 Madison avenue, New York City. Brick and steel (slow burning), 2 stories, 52x200 feet, slag roof, wood floors, vacuum heat, electric light, metal sash, roof ventilators. Contract awarded to L. O. Gramley, Giant avenue, Bethlehem, Pa.

**Bungalow**, near Bethlehem, Pa., \$25,000. Architect, H. J. Weigner, Bethlehem Trust Building, Bethlehem, Pa. Owner, Mr. Ed. L. Myers, Bethlehem, Pa. Hollow tile and stucco, 1½ stories, 56x96 feet, tile roof, hardwood and composition floors, hot water heat, electric light, tile, marble and terrazzo work, metal skylights. Contract awarded to Frank B. Blassmeyer, Bethlehem, Pa.

**Residence (alt. and add.)**, Reading, Pa. Architect, R. B. Okie, Crozer Building, Philadelphia. Owner, Hanley Bright, on premises. Stone and frame, 2½ stories, 25x30 feet, shingle roof, heating and lighting extension. Contract awarded to Adam Spatz, Wernersville, Pa.

**Residence (alt. and add.)**, Radnor, Pa. Architect, R. B. Okie, Crozer Building, Philadelphia. Owner, Sedyard Hechscher, on premises. Stone and frame, 2½ stories, 20x25 feet. Contract awarded to Millard N. Croll, Radnor, Pa.

**Power House**, Reading, Pa. Architect, private plans. Owner, Philadelphia & Reading R. R. Co., Reading Terminal, Philadelphia. Brick, steel and concrete, 1 story, 38x50 feet, asbestos roof, brick and concrete floors, concrete foundations, rolled steel sash, steel doors, waterproofing. Contract awarded to Robert E. Lamb Co., 845 North Nineteenth street, Philadelphia.

**Apartment and Store**, Chestnut street, Harrisburg, Pa., \$20,000. Architects, Markley & Starr, Spooner Building, Harrisburg, Pa. Owners, Claude Robins Co., 502 Market street, Harrisburg, Pa. Brick, 3 stories, 48x30 feet, concrete foundations, composition roof, hardwood and pine floors, steam heat, electric light, tile work, general interior work. Contract awarded to M. Gettys, Harrisburg, Pa.

**House**, Riverview, Harrisburg, Pa., \$5,000. Architect, C. P. Lappley, 206 Market street, Harrisburg, Pa. Owner, J. Miles Neidig, Lemoyne, Pa. Stucco and frame, 2 stories, 25x29 feet, concrete foundations, slate roof, hardwood floors, steam heat, electric light, tile work. Contract awarded to E. W. Spangler, Harrisburg, Pa.

**Auto Show Room and Office (alts.)**, Locust and Third streets, Harrisburg, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Miller Auto Co., care of Mr. Miller, Cameron street, Harrisburg. General interior and exterior alterations, plate glass, tile work. Contract awarded to Chas. Strayer,

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Sixth and Woodbine streets, Harrisburg, Pa.

**Building (alts.) to Police Station**, Walnut street, Harrisburg, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, City of Harrisburg, care of Mayor Keister, Harrisburg, Pa. Brick, 1 story, 30x40 feet, concrete foundations, slag roof, wood floors, electric light, general interior alterations. Contract awarded to M. Gettys, Harrisburg, Pa.

**Office Building**, 613 Walnut street, Harrisburg, Pa., \$10,000. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Witman Schwaiz, care of C. K. Dean, on premises. Brick, 1 story, 26x80 feet, slag roof, maple floors, electric light. Contract awarded to Central Const. Co., Commonwealth Building, Harrisburg, Pa.

**Office Building (alts.)**, Market street, near Front, Harrisburg, Pa., \$200,000. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Henry Claster, 304 Market street, Harrisburg, Pa. Fireproof, 8 stories, general interior work, steam heat, pine floors, tile and marble work, elevators, roof ventilators, skylights. Contract awarded to Central Const. Co., Commonwealth Building, Harrisburg, Pa.

**Garage and Show Room**, Market and Cameron streets, Harrisburg, Pa., \$6,000. Architects, Markley & Starr, Spooner Building, Harrisburg, Pa. Owners, Selden Truck Distributor, care of E. T. Croft, agent, on premises. Brick, reinforced, 3 stories, 26x80 feet, steel and trussed roof, concrete floors, steam heat, electric light, plate glass, ventilators. Contract awarded to Harold Nipple, 14 South Second street, Harrisburg, Pa.

**Silk Mill**, Shamokin, Pa. Architect, W. H. Lee, 32 South Seventeenth street, Philadelphia. Owners, Hewesco Silk Co., Shamokin, Pa. Brick and concrete, 2 stories, 52x90 feet, Carey roof, maple floors, stone foundations, roof ventilators, iron stairs and work (heat, light and plumbing reserved). Contract awarded to Shamokin Lumber Co., Shamokin, Pa.

## New Jersey Construction News

**Factory (alt. and add.)**, New Brunswick, N. J. Architect, Alex. Merchant, 363 George street, New Brunswick, N. J. Owner, Reckitts U. S. A. Ltd., New Brunswick, N. J. Brick and concrete, 2 stories, 50x100 feet, slag roof, pine and concrete floors, stone foundations, metal lath, elevators, waterproofing, rolled steel sash, rolled steel doors, iron work. Architect taking bids, due July 31st. Hughes-Foulkrod Co., Commonwealth Building, is figuring.

**Publication Building**, Perth Amboy, N. J. Architect, John Noble Pierson & Son, Perth Amboy, N. J. Owner, Perth Amboy Evening News Co., Madison avenue and Jefferson, Perth Amboy, N. J. Brick and steel, 3 stories, 60x100 feet, gypsum tile roof, fireproof floors, hollow tile, metal lath, elevators, waterproofing, stone foundations, steam heat, electric light, rolled steel skylights, iron work. Architect taking bids due August 1st. Hughes-Foulkrod Co., Commonwealth Building, figuring.

**Residence**, Merchantville, N. J. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, Grover C. Richman, Camden, N. J. Frame and brick, 2½ stories, 35x55 feet, shingle roof, stone foundations. Plans in progress. Will be ready for bids in ten days.

**Residence**, Glassboro, N. J. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, C. W. Schwengfeier, Villa Nova road, Glassboro, N. J. Frame, 2½ stories, 38x45 feet, concrete foundations, slate roof, pine floors, hot water heat, electric light, tile work. Plans completed.

**Residence**, Wenonah, N. J. Architect, Morris & Erskine, Crozer Building, Philadelphia. Owner, Dr. Charles H. Lorence, Perry Building, Philadelphia. Brick and timber, 2½ stories, 35x55 feet, slag roof. Plans in progress. Too early for details.

**Hotel**, Wildwood, N. J., \$1,000,000. Architect, not yet selected. Owners, Care of W. Cortwright Smith, secretary, Chamber of Commerce, Wildwood, N. J. Work contemplated.

**Hotel**, Ocean City, N. J., \$1,500,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia, Pa. Owners, care of J. G. Champion, Mayor, Ocean City, N. J. Work contemplated.

**Church**, Yorkship Village, Camden, N. J. Architects, Litchfield & Rogers, 447 Fifth avenue, New York City, N. Y. Owners, Emergency Fleet, Yorkship Village, N. J. Stone, brick and steel, 2 stories, 37x67 feet, slate roof, pine floors, stone foundations, steam heat, electric light, tile work, pine floors, metal lath, dampproof, iron work. Owners taking bids due July 31st. William R. Dougherty, 1610 Sansom street, figuring.

**Hotel, Theatre and Swimming Pool**, Beach and Albany avenue, Atlantic City, N. J. Architects, McKim, Meade & White, 101 Park avenue, New York City. Owners, Boulevard Hotel, care of architects. Brick, steel, reinforced concrete, marble, tile, terrazzo, hollow tile, metal lath. Plans in progress.

## New Jersey Contracts Awarded

**Yorkship School Building**, Yorkship Village, Camden, N. J., \$152,000. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Board of Education, Camden, N. J. Brick and steel, 2 stories, 125x172 feet, slag roof, concrete and pine floors, concrete foundations, tile work, metal lath, fire doors, waterproofing, iron work (steam heat, electric light and plumbing reserved). Contract awarded to Wm. Linker Co., 831 Cherry street, Philadelphia.

**Wilson School**, Ninth and Florence streets, Camden, N. J. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Board of Education, care of J. W. F. Bleakley, City Hall, Camden, N. J. Brick, cut stone and steel, 2 stories, 38x166 feet, auditorium 41x49 feet, slag roof, pine and concrete floors, metal lath, roof ventilators, waterproofing, concrete foundation, rolled steel sash, fire doors, iron work, tile work (steam heat, electric light and plumbing reserved). Contract awarded to Standard Const. Co., 1713 Sansom street, Philadelphia.

**Garage**, Camden, N. J. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, J. E. Van Seiver & Co., Camden, N. J. Brick, 1 story, 80x90 feet, slag roof, cement floors, hollow tile, iron work (heating, lighting and plumbing reserved). Contract awarded to H. E. Grau Co., 1707 Sansom street, Philadelphia.

**Bank (add.)**, Fourth and Federal streets, Camden, N. J., \$60,000. Architect, Thomas Stephen, Temple Building, Camden, N. J. Own-

ers, Central Trust Bank, on premises. Brick, stone, marble and steel, 1½ stories, 59x59 feet, stone foundations, slate roof, maple, marble and terrazzo floors, electric light, metal lath, etc. Contract awarded to Geo. Bachman, 19 North Thirtieth street, Camden, N. J.

**Club House (add.)**, Absecon, N. J., \$100,000. Architect, E. H. Janes, 414 Madison avenue, New York City. Owners, Seaview Golf Club, care of C. H. Giest, Land Title Building, Philadelphia, Pa. Brick and stucco, 3 stories, 35x71 feet, 45x91 feet and 32x45 feet, slate roof, pine floors, tile and marble work, elevators, fire doors, iron stairs. Contract awarded to J. M. Yardley, 1716 Sansom street, Philadelphia.

**Pair of Houses**, Greenwood avenue, Trenton, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owner, Samuel Hilton, Forst Richey Building, Trenton, N. J. Brick and frame, 28x42 feet, stone foundations, yellow pine floors, tile work, wood lath. Contract awarded to Albert Kear-ton, Trenton, N. J.

**High School (rebuilding)**, Academy street, Glassboro, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Board of Education, care of F. L. Supplee, chairman, Glassboro, N. J. Stone, 2 stories, 71x142 feet, slate roof, concrete and pine floors, marble work, metal lath, roof ventilators, dampproofing, iron work, stone foundations (heating, electric lighting and plumbing reserved). Contract awarded to Sherman S. Sharp, Cape May, N. J.

**Church (alts. and add.)**, East Riverton, N. J., \$11,000. Architect, C. H. Wilson, 1931 N. Twenty-second street, Philadelphia. Owners, St. Paul's Baptist Church, care of Rev. M. A. Foster, East Riverton. Brick, second story addition, 22x65 feet, slate roof, maple floors, hot water or vapor heat, combination lighting, mill and cabinet work, stained glass. Contract awarded to Smith & Snively, Riverton, N. J.

**Hall and Sunday School (add.)**, Paulsboro, N. J., \$25,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, M. E. Church, care of Rev. S. M. VanSant, Paulsboro, N. J. Stone, 2 stories, 40x60 feet, slate roof, pine floors, steam heat, electric light. Contract awarded to Wm. J. Adamson, Paulsboro, N. J.

## Delaware Construction News

**Factory (add.)**, Fourth and Orange streets, Wilmington, Del., \$25,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Delmarvia Leather Co., on premises. Brick and mill construction, 5 stories, 30x100 feet, concrete foundations, slag roof, pine floors, electric light, hollow metal sash, elevators. Low bidder, Stewart Willey Co., Wilmington, Del.

**Building (add.)**, Tenth and Market streets, Wilmington, Del., \$35,000. Architect, private plans. Owner, E. I. DuPont, De Nemours Co., on premises. Brick, metal lath and stucco, 1 story, 51x242 feet, slag roof. Owner will build.

**Settlement Building**, West Ninth street, Wilmington, Del. Architect, E. C. May, Du Pont Building, Wilmington, Del. Owner's name withheld. Brick, 3 stories, 85 feet front, slag roof, pine floors, steam heat, electric light, tile and marble work. Architect taking bids, due as soon as possible. W. H. May,

Washed Bar Sand and Gravel will take less cement on concrete work. We know how.  
DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



Wilmington, Del., figuring.

**House and Garage**, Shallcross avenue, Wilmington, Del. Architect, E. C. May, Du Pont Building, Wilmington, Del. Owner's name withheld. Brick, 2 and 2½ stories, 24x30 feet, slate roof, cement and hardwood floors, hot water heat, electric light, tile work. Architect has received bids.

**Manufacturing Building**, Sixteenth and Locust streets, Wilmington, Del. Architect, private plans. Owners, Bond Manufacturing Co., Fifth and Monroe streets, Wilmington, Del. Brick, 1 story, 60x300 feet, slag roof, concrete floors, stone foundations, steam heat, electric light, rolled steel sash, iron work, hardware, painting, glazing, plumbing, sprinkler system. John N. Gill & Co., Otis Building, taking sub-bids.

## Delaware Contracts Awarded

**Dwelling** (alt. and add.), 1123 West street, Wilmington, Del., \$3,000. Architect, private plans. Owner, J. J. Magahern, on premises. Frame, 12x16 feet, vapor heat, general interior alterations. Contract awarded to S. E. Farbutton, 914 Orange street, Wilmington.

**Apartment**, 1522 West Seventh street, Wilmington, Del., \$12,000. Architect, private plans. Owner, Mrs. C. Schlittler, Wilmington, Del. Brick, 3 stories, 20x73 feet, electric light. Contract awarded to Joseph Schunder, 600 Rodney street, Wilmington.

**Dwelling**, Third and Market streets, Wilmington, Del., \$5,000. Owner, A. J. Lang, Third and Market streets, Wilmington, Del. Brick, 2½ stories, 28x30 feet. Contract awarded to A. J. Lang, Third and Market streets, Wilmington.

**Factory** (add. and alts.), A and Market streets, Wilmington, Del., \$25,000. Architect, private plans. Owners, Tanners Product Co., south side of Market street bridge, Wilmington, Del. Brick, 1 story, 46x28 feet and 50x60 feet, slag roof, cement floors, electric light. Contract awarded to Patrick Fahey, 103 W. Clayton street, Wilmington, Del.

**Apartment House and Store**, south side of Fourth street, between Shipley and Orange streets, Wilmington, Del. Architect, private plans. Owner, Max Bruer, Wilmington, Del. Brick, 4 stories, 46x54 feet, slag roof, hardwood floors, steam heat, electric light, tile work. Contract awarded to S. Cantera & Son, Eighth and Lincoln streets, Wilmington, Del.

**Bakery** (alts. and add.), 9 E. Fourth street, Wilmington, Del. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Federal Baking Co., Wilmington, Del. Interior alterations and new show front, plate glass. Contract awarded to C. J. Dougherty, Wilmington, Del.

## Miscellaneous Construction News

**Factory Building**, Oak street and North avenue, Baltimore, Md. Architect, Le Roy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, Oakland Car, Reinhard Motor Car Co., Baltimore, Md. Steel frame and frame, 4 stories, 40x110 feet, slag roof, tile floors, steam heat, electric light, elevator. Architect has received revised bids.

**Church** (alts.), to **Memorial Hall**, Middletown, Md., \$20,000. Architect, Edward Leber,

Hay Building, York, Pa. Owner, care of Charles M. Shank & Wm. Coblenz, Middletown, Md. Face brick, stone trim, steam heat, electric light, tile work, tile and hardwood floors. Preliminary plans in progress.

**Manufacturing Building**, Long Island City, N. Y. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, Joseph N. Courtage, Long Island City, N. J. Steel and reinforced concrete, 2, 4 and 6 stories, 40x100 feet and 50x185 feet, reinforced concrete roof and floors. Architects taking bids, due as soon as possible at New York office. American Concrete Steel Co., Turner Concrete Steel Co., Industrial Eng. Co., Caspar Range Co., Wm. L. Crowe Co., United Fireproofing Co., Amsterdam Building Co., Weinstein & Hass, and James Mitchell, all of New York City, figuring.

**Residence**, Silver Run, Md. Architects, Markley & Starr, Spooner Building, Harrisburg, Pa. Owner, C. I. Kroh, Esq., Silver Run, Md. Brick, 2½ stories, 42x31 feet, stone foundations, slate roof, hardwood floors, steam heat, electric light, tile work. Contract awarded to Eline Bros., Littlestown, Pa.

**Oliver Chilled Plow Works**, Richmond, Va. Architect, Bernard H. Praek, Keystone Building, Pittsburgh, Pa. Owner, Oliver Chilled Plow Co., Richmond, Va. Concrete and steel, 3 stories, 90x125 feet, slag roof, concrete and composition floors, hollow tile, metal lath, concrete foundations, steam heat, electric lighting, rolled steel sash, fire doors. Architect has received bids.

**Garage**, Spec. 3988, Annapolis, Md. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Washington, D. C. Brick and steel, 1 story, 121x60 feet, concrete foundations, slate and slag roof, concrete floors, steam heat, electric light, hollow tile, metal lath, iron work. Owners taking bids due July 30th. Hughes-Foulkrod Co., Commonwealth Building, Philadelphia, are figuring. Deposit of \$10 required.

**Manufacturing Building**, Long Island City, N. Y. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, Joseph N. Courtage, Long Island City, N. Y. Steel and reinforced concrete, 2, 4 and 6 stories, 40x100 feet and 60x185 feet, reinforced concrete roof and floors. Plans completed.

## Proposals

### INVITATIONS FOR PROPOSALS.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., July 28, 1919.—Sealed proposals will be opened in this office at 3 P. M., August 25, 1919, for furnishing the labor required in the construction complete, with materials that will be furnished by the Government of the United States Post Office Building at Mystic, Conn. Drawings and specifications may be obtained from the custodian of the site at Mystic, Conn., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., July 28, 1919.—Sealed proposals will be opened in this office at 3 P. M. August 25, 1919, for furnishing materials for the construction of the

United States Post Office, Mystic, Conn., including materials for concrete, reinforced concrete, stone, granite, brick, structural terra cotta, structural steel, miscellaneous iron and steel work, composition roofing, slate roofing, sheet metal work, skylights, plastering, interior marble, sanitary slate, lumber, millwork, painting, glazing, hardware, plumbing, heating, electric work, etc., in accordance with drawings, specifications and bills of quantities attached thereto, copies of which may be obtained from the custodian at Mystic, Conn., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

## THE ARCHITECT AS A CITIZEN

(Continued from Page 452.)

local organizations in the building trades, men who, notwithstanding the fact that they have been accused of many practices under the term of "unionism," are after all, interested in the safety of those engaged in building construction and in better workmanship and in the improvement of materials.

Now, a practical illustration, it seems to me, of how we are loosing opportunities, was given in Philadelphia where, last week, there was held a so-called "Own Your Home" exhibit. The newspapers stated that there were a hundred thousand people who went to that exhibit, people who were primarily attracted by something which concerned the home. I made it a point to go there and to see what anybody could learn about the services of the architect in connection with the creation of a home.

I asked people strolling about in the aisles where the architectural exhibit might be found, where there was anything there which related to architecture or to "drawings" of houses. Nobody knew. Some of the people did say that they had seen "pictures" of houses and some said that they had seen a model. I was finally directed to the spot and found that it was an exhibition of the Operative Builders' Association of Philadelphia. Scattered about were comfortable chairs, and in the center was a model of a fairly descent looking house; on the walls were water color pictures and photographs of houses. Adjoining this space were one or two booths where there were blue-prints and pictures of houses shown by firms of builders.

Throughout the entire exhibition, at various booths there was literature of different kinds for distribution to those one hundred thousand people. But it was printed matter telling them what to do in the way of securing property, how to finance loans and mortgages, how to insure houses and all that. Everything connected with the purchasing of ground and the erection of houses was apparently

We have pebbles all sizes. Cost less than what you are using. **DAVID FRANCE CO.**, Tasker Street Wharf, Delaware River, Philadelphia.



taken care of, but there was not one thing that would make that one hundred thousand people realize that an architect could or should have anything to do with the improvement of those houses of the people, either as to convenient planning, designing of attractive features or providing sound principles of construction.

It seems to me that we lost a potential opportunity of vast proportions, there alone, to reach one hundred thousand people through acquainting them with some form or other of the architect's service. I mention that instance because there are going to be many more such exhibits and a repetition of such opportunities throughout the country and because there is now before Congress a bill authorizing the Building and Loan Associations of the United States to make their capital more liquid, in order that more people may build homes of their own.

Are we going to lose the opportunity of impressing upon these people and these associations the advantages of the architect's service? (Applause.)

\* \* \*

#### NEGROES INTERESTED IN HOUSING

The opening of Truxton, Va., the first town in the United States planned and constructed by the Government for colored persons exclusively, calls attention to a widening interest in the proper housing of the Negro population of the United States. Truxton has 250 houses, each containing five rooms and bath. All modern conveniences are provided and the dwellings are attractive. The town is to be governed by the tenants, who meet with the town manager, a representative of the United States Housing Corporation.

According to reports sent to the United States Department of Labor, Ohio is interested in working out plans to improve the housing conditions which prevail among the colored population. A State-wide plan that will relieve congestion and assure proper housing for thousands is being discussed, and it is possible that a means of financing building on a big scale will be found. Several suggestions have been discussed as practicable. One of these is the organization of a building and loan association by responsible colored men. Such an enterprise would command the support of many large companies that would be interested in aiding the new venture to become firmly established. Another idea is that the Negro insurance company, with which the cooperation of other Negro organizations

would be assured, should make the necessary connections with local building and loan associations.

Since the war many northern cities have had such an increased demand for houses and apartments from colored tenants that in certain communities the congestion has become serious. The urgent need of dwellings that shall be in every way desirable has been emphasized by the fact that there is a steadily increasing number of negroes able to pay for comforts and conveniences as well as for mere shelter and a place to sleep.

\* \* \*

#### WALT MASON PRESENTS HOUSING SITUATION

From out West the Curtis companies have sent to the United States Department of Labor a characteristic poem written for their service by Walt Mason. The poem encourages building as follows:

##### HOUSES SCARCE

Oft I hear discordant slogans, hear the loud and sad lament; men are wearing out their brogans hunting houses they can rent. Every village, town, and city sees the same discouraged crew; and it seems to me a pity that good houses are so few.

In my native burg, Empory, I see women chasing round, and they tell the same old story—houses simply can't be found. And the same sad word is spoken everywhere I chance to roam; from Topeka to Hoboken folks are hunting for a home.

When they're sick and tired of chasing, when their souls with woe are filled, maybe they will do some bracing; maybe they'll decide to build. Rents are higher now than ever, and the prices won't slump back, and that man is really clever who will build himself a shack.

"But the cost!" I hear men yawping; and they put up thoughtless roars, for they never have been shopping at the modern lumber stores. Building goods today are cheaper than all other goods you buy; all commodities are steeper—ask the lumber dealer nigh.

Moneyed men are often questing for gold bricks, and dern the price; always ready for investing in blue sky and pickled ice. If they'd build a lot of houses they might dwell in Easy Street, where the catawampus browses, and the dingbat's song is sweet. Every time they'd build a dwelling crowds would come, and still increase, crying, clamoring, and yelling, begging for a five-year lease.

There's no better proposition than this thing of building homes, and the fact

should find position in the plutocratic domes.

And the man with modest bundle should be renting nevermore; he should take his wad and trundle to the lumber dealer's store.

There should be a boom in building such as we have never seen; palaces with ornate gilding, modest homes, all painted green.

\* \* \*

#### CLEVELAND BUILDERS EXCHANGE LARGEST

Cleveland now holds the honor of having the largest Builders' Exchange in the United States. The accession of sixty new firms and companies since the last annual meeting in November has brought about this result. For a number of years there has been a keen rivalry between the exchanges of Detroit and Cleveland as to numerical strength.

A copy of the latest official roster of the Detroit exchange shows that its present membership is 445 while Cleveland now has a few more than 500 firms and companies enrolled on its membership list. San Francisco held this honor during the construction of the world's fair buildings, when a large number of outside contracting and materials firms flocked to that city to obtain a portion of the large volume of building operations.

Arrangements were made for Cleveland's representation to the convention of the Ohio State Builders' Supply Association at a meeting of the local supply dealers held on Wednesday, July 25th, 26th and 27th at Cedar Point. In addition to the consideration of matters connected with the readjustment of conditions following the war in this line of business, a number of social features will characterize the convention. Many of the dealers and their families, especially from the southern and central part of the state, will regard the convention in the nature of a summer outing.—*Cleveland Plain Dealer*.

In the construction of the steel frame for the Statler Hotel at St. Louis, Mo., last year steel erection proceeded at the rate of two stories every 4½ days. The building is 150x130 feet, 20 stories high and contains 4,500 tons of steel, 700 tons of which were used in the basement. A 10-hour shift was worked for the first few weeks. The steel erection was done with two 12-ton guyed derricks.

The man who doesn't advertise, these days, is forgotten. The world is too busy to look up dead ones.

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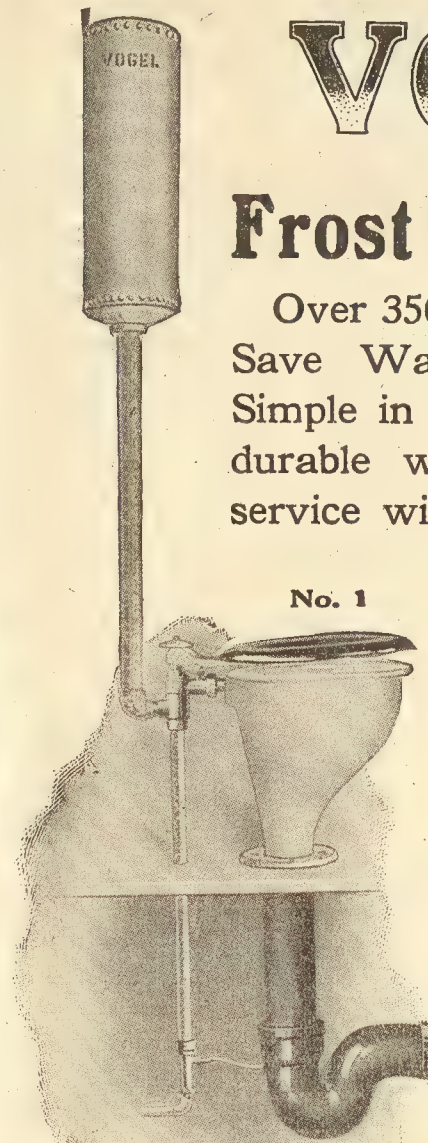
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Locust 4478



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Tapestry, Face, Common Paving)

O. W. Ketcham.....Builders' Exchange, Phila.  
'John S. E. Pardee & Co.....Heed Bldg., Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ransstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.  
Samuel H. French & Co., 4th and York sts., Phila.

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.  
Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.  
Petronite Mfg. Co. ....531 N. 9th st., Phila.  
Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.  
Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Contractors' Equipment.

Service Equipment Co.....Bourse Bldg., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.

General Fireproofing Co. 512 Bulletin Bldg., Phila.  
Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.

McCalla Co., The Harold...531 N. 4th st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truseon Steel Co....Commonwealth Bldg., Phila.

## Floor Plates.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.  
Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co. 1332 Arch st., Phila.

## Gas Water Heaters.

Apeldorn & Beatty Co....155 N. 9th st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.  
Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co., 927 N. 9th st.  
Richardson and Boynton Co. 1332 Arch st., Phila.

## Hollow Tile.

O. W. Ketcham.....Builders' Exchange, Phila.

## Insurance.

Harris J. Latta.....Pennsylvania Bldg., Phila.  
Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.  
Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Iron and Steel Bars and Plates.

Alan Wood Iron & Steel Co. Widener Bldg., Phila.  
McCalla Co., The Harold...531 N. 4th st., Phila.  
Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.  
Morris Wheeler & Co. 30th and Locust sts., Phila.

## Levels.

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F. Weber & Co.....1125 Chestnut st., Phila.

## Light Iron Construction.

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2610 W. Huntingdon st., Phila.

## Lumber.

Jas. M. Irwin & Co.....973 Beach st., Phila.  
Janney Lumber Co. ....1147 Beach st., Phila.  
Wm. Lloyd Co.....29th and Ridge ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.  
Italian Marble Mosaic Co...433 Spruce st., Phila.  
Roman-Cianci Co., Inc...3428 Warren st., Phila.

## Metal Lath.

Audubon Wire Cloth Co., Inc....Audubon, N. J.  
Consolidated Expanded Metal Co.,  
2200 Arch st., Phila.

General Fireproofing Co. 512 Bulletin Bldg., Phila.  
McCalla Co., The Harold...531 N. 4th st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.  
Truseon Steel Co....Commonwealth Bldg., Phila.

## Metal Lath Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Metal Tiles and Shingles.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Meters.

Philadelphia Meter Co.,  
Real Estate Trust Bldg., Phila.

## Mill Supplies.

The Fairbanks Co.....7th and Arch sts., Phila.

## Paints and Varnishes.

The Barrett Company,  
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French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

## Paving Bricks.

O. W. Ketcham.....Builders' Exchange, Phila.  
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Keystone Supply and Mfg. Co.,  
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Joseph Vogel Co.....Wilmington, Del.

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The Barrett Co.....New York City and Phila.

## Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co. 1332 Arch st., Phila.

## Refrigerators.

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Henry M. Miller.....46-48-50 N. 2d st., Phila.

## Reinforcing Bars.

Morris Wheeler & Co. 30th and Locust sts., Phila.  
Truseon Steel Co....Commonwealth Bldg., Phila.

## Roofing.

The Barrett Co.....New York City and Phila.

## Roofing Tile.

O. W. Ketcham.....Builders' Exchange, Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Roofing Tin.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Roofing Slate.

William Moore Co.....1506 Sansom st., Phila.

## Safety Guards.

Audubon Wire Cloth Co., Inc....Audubon, N. J.  
Kensington Metal Co....1612 N. 2nd st., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

## Screens.

Thos. J. Malia.....141 Wentz st., Phila.

## Steam Specialties.

Apeldorn & Beatty Co.....155 N. 9th st., Phila.

## Slate.

William Moore Co.....1506 Sansom st., Phila.

## Soundings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Structural Slate.

William Moore Co.....1506 Sansom st., Phila.

## Structural Steel.

McCalla Co., The Harold...531 N. 4th st., Phila.  
Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.  
Morris Wheeler & Co. 30th and Locust sts., Phila.

## Surety Bonds.

Harris J. Latta.....Pennsylvania Bldg., Phila.  
Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.

Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Tile and Terrazzo Work.

Belfi Bros. & Co.....1923 Market st., Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

Italian Marble Mosaic Co...433 Spruce st., Phila.  
Petronite Mfg. Co. ....531 N. 9th st., Phila.

Roman-Cianci Co., Inc...3428 Warren st., Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Tiling.

William Moore Co.....1506 Sansom st., Phila.

## Transits.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Ventilators.

Merchant & Evans Co., 2035 Washington ave.

## Water Paint.

Wm. B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Waterproofing.

The Barrett Co.....New York City and Phila.

## Water Supply.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Weather Strip (Metal).

American Metal Weather Strip,  
2118 Diamond st., Phila.

Thos. J. Malia.....141 Wentz st., Phila.

## Wheelbarrows.

The Fairbanks Co.....7th and Arch sts., Phila.

## Wire Work.

Audubon Wire Cloth Co., Inc....Audubon, N. J.  
Kensington Metal Co....1612 N. 2nd st., Phila.



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1919



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PHILADELPHIA

## ASSETS

|                                      |                 |
|--------------------------------------|-----------------|
| Bonds and Stocks.....                | \$24,280,745.19 |
| Cash in Banks.....                   | 2,395,335.33    |
| Premiums in course of transmission.. | 3,203,681.96    |
| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

## LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

Total Liabilities ..... \$30,801,413.40

Surplus to Policyholders..... \$ 12,922,516.93

Losses paid since organization 203,147,689.78

### The Oldest American Stock Insurance Company

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|--------------------|-------------------|------------------|
| Fire Insurance     | Automobile        | Cotton Insurance |
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Combination  
Ranges



Gas Ranges

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PHILADELPHIA



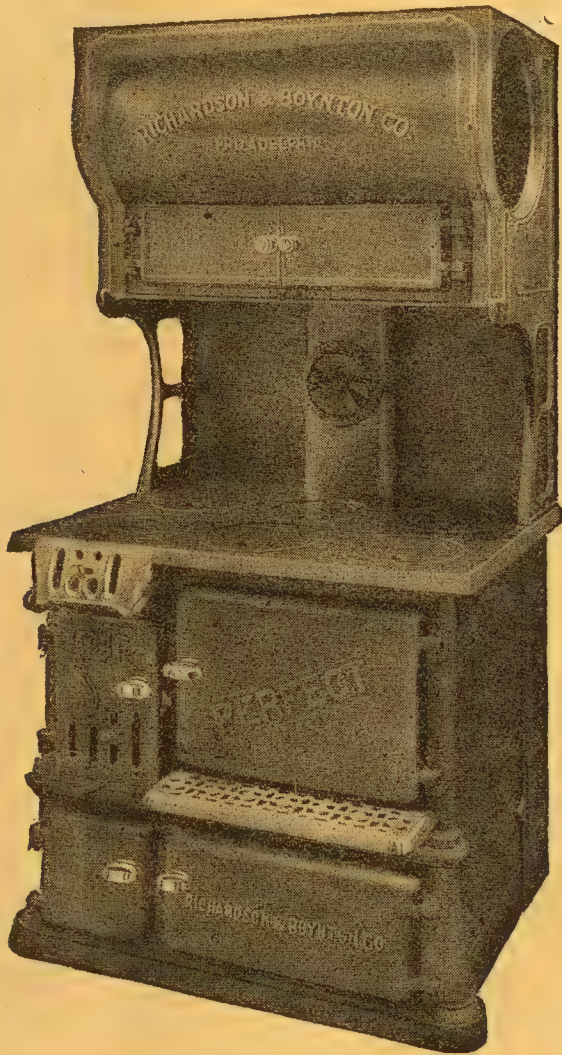
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 32  
August 6, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

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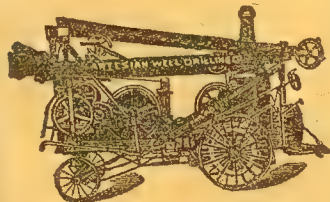
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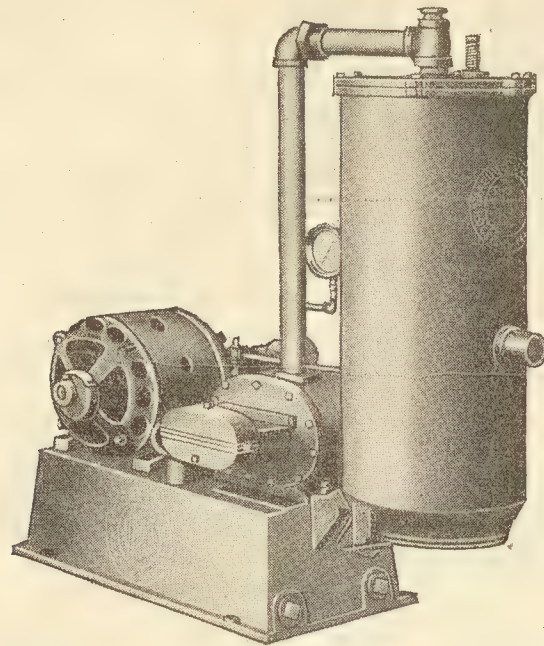
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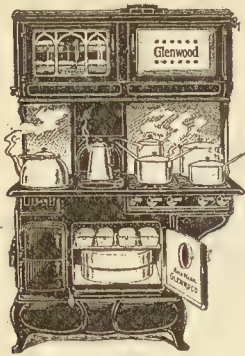
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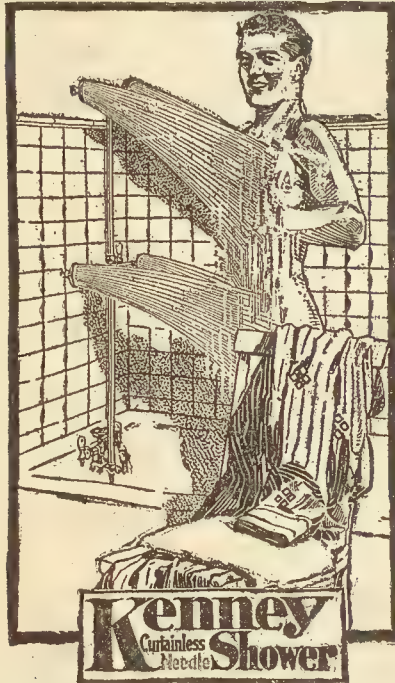




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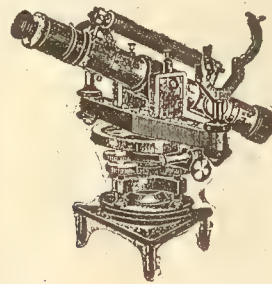
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Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
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August 6, 1919

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## As The Editor Sees It



**N**O topic at present holds more general and vital interest than that of high prices. All discussion relating to when they will come down, how they will come down, or whether they will ever come down is eagerly attended to. In a recent address by Mr. Charles E. Bedaux, of the Charles E. Bedaux Company, Industrial Engineers, delivered by Mr. Bedaux to the Industrial Association of Cleveland, some rather startling new phases of the situation are brought forward and discussed. Mr. Bedaux's viewpoint is original and his answers to the questions he asks are unusual and interesting.

"The high cost of living and high scale of wages—should they remain?" asks Mr. Bedaux. And if not to remain where is to be the change? We contend that the wages, outside of some adjustments, will remain the same. Many manufacturers show today that it is practical to reduce their cost of manufacturing through a reduced cost in labor, through a radical cut because the material still has to be purchased. The fact is not to be forgotten nor overlooked that the producer is essentially the purchaser, and he must buy the goods and they should come down before his wages come down. This is the argument of many. But in the end if the wages are not to come down and the prices have to stay up all around in the selling of the product, what will be our fate in the United States as an industrial nation?

We think that the Europeans have a

reconstruction period which awes and terrifies, but it is in my mind a question whether we have not ourselves a reconstruction period which is as important if not more important. I heard a soldier the other day on the train state that he did not think much about France. He had gone from the ocean to the battle front and he had seen nothing but vineyards and two factories, and those two factories made brandy. But he didn't pass the right way. There are factories today in France that are as large or larger than most of our industrial groups in the United States. One of the large factories of France started a little over four years ago and now employs over forty-five thousand men and women. This factory is supplied with the very best facilities for the welfare of its employes, including dentistry and nurseries for children, as so many married women work there. With the signing of the peace treaty France has more blast furnaces than Germany ever had. France has learned German efficiency through a great deal of sorrow, and is now bent upon turning her new knowledge, with her new facilities, with her new coal deposits from the Saar basin, and the steel from the Briey district, into standardized products, capable of being manufactured and sold in competition with the most advanced American industry.

American efficiency, typically an American institution, is more interesting to England at the present time, it appears,

than it is to this country. Motion studies are actually practiced, and not talked in that country. It is useless to talk of Germany. You have read the peace treaty or, rather, a summary of it, but it must not be forgotten that the Germans remain. They will no longer be taught the goose step, but will continue to follow their industrial organization, which is almost unequalled and will be held by iron discipline which seems to continue even through their revolution. When you consider that those countries manufacture articles at a cost of labor which is two cents where it is three to us in the United States, we wonder where we will sell our goods in five years from now, if we are to utilize that which we have built during this war, to supply Europe and supply our own needs. Thirty-three per cent. difference in the scale of wages is not easily offset and something radical must be done. While a protective tariff may conserve our industries for our own needs, it will not be possible for us to go into South America or to go on European soil in competition with a modern Europe, having new ideals, new methods, taken and learned through study from our American engineers and business men during the war, who have shown them what organization should be. It will not be possible for us to compete with those and we shall either have to stay home or find some other way out.

The question is, what is the way out? We find it through efficiency. What is

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efficiency? To many of us it represents a planning department, a planning room that stands in the middle of the shop, or in some corner, with a great deal of importance; and this planning room attempts or claims to attempt to send work through the shop at given times so that it may leave one machine at a certain hour and reach another machine at another hour. I might ask the question: how can I tell how much time it will take me to get home if I don't know the distance, nor the conditions I will be in when I am ready to go home? This information is essential. One has to know exactly what he is going to do before he can expect to plan. This is determined, many will say, by the setting of standards. But, then, how are they set, and how are they used? I have personally gone into many factories, perhaps fifty new ones each year to visit, and twelve each year to work in. Out of the 90 per cent. of planning departments that I have found in those industries I do not believe I have found five per cent. that really have standards of time with which to work. The operator knows that and he is quite keen on his realization and appreciation of the fact. He does not sympathize with the average efficiency movement, because whether the standard is used as a method of remuneration or whether it is used to plan the work through the shop, he loses confidence in the effort that he has made and he turns it more or less into ridicule. I can talk from experience.

However, I came to this country, not very long ago, unable to speak the English language, and you know what is done to the average foreigner when he comes to America without any knowledge of the tongue. I came with a silk hat and a cane, but a very short time afterwards I was a drill hand digging in the tunnel between Long Island and New York. I was, of course, disappointed, and I had expected better things, but they were the very best experience I could possibly have, and they were the means of my holding and doing the work that I am doing today. I believe it should be almost compulsory to expect such training in every efficiency man. I did not jump from the tunnel into the position of efficiency engineer immediately. I had to go through all the various gears of the mill. So I have had the opportunity to learn what a dollar was worth in labor and what it meant to earn it under difficulties, and then afterwards easier conditions. I have worked under efficiency systems, so-called, when I was an operator, so I can fully sympathize with the idea of the workingman who today works with me or with my engineers in my work.

We contend that 33 per cent. of the

cost of labor must be reduced to offset the difference between American and European scale of wages. We cannot expect the European scale of wages to go up immediately, for we first will have to teach the European to use electricity or gas in his home, to take a bath once in a while, to have a telephone to call up market for goods, that sometimes come short, sometimes come good and sometimes come badly. The average European woman goes to market and spends half a day trying to save three cents and walks back with the load so as to save car fare, which is three cents. Here the average wife of the workingman has a telephone and calls to the market, therefore, having less chance of selection. That alone increases the cost of living—the lack of selection, which decreases the quantities received, the lack of specialization in choice, which removes education along that line. So unless we take all that away from the European—the French, the British, the Italian lady—and the many discomforts that her husband accepts after his work, and unless we do away with the millions of women who in Europe today are expert mechanics, having learned through four years of intensive labor—unless we take those away we shall have to find some other means of reducing this 33 per cent. in cost of labor.

It must be through efficiency, and yet it should be through efficiency which is different from the one I just mentioned—the one of setting standards without particular knowledge of them, through practices that operators know and more or less despise. Then how will it be? Will it be through method? And what is method, systems, records in a plant? The first consideration in a factory, you will agree with me, is to have the men happy. If they are not happy you cannot have an efficient production. What is the second consideration? Production—turning out the finished product. It must therefore be realized that any method, any system, must be secondary to production, to manufacture. When it is well determined that production is supreme and that method is secondary to it, and anything other than method has been removed, then that method or system must be followed.

It is unfortunately the case that the practical man finds so often that a portion, and a large one, of that systematic way of routing or carting things through the shop is hampering production, and he therefore sets aside all or a portion of that system. At that time it must be remembered that once it is determined that the method or system adopted is secondary to production and is used to serve it, that system or method must be used as a whole. It is far more injurious

to use a portion of it than not to use it at all.

In the days of our forefathers they had to serve a five-year apprenticeship, and when a person became a master worker the boss knew to a unit just how much he could produce in a day, for all he did was with his hands. Today conditions demand new standards. A machine makes five hundred pieces where a man used to make ten. We soon forgot the fact that a man used to make ten; we only knew that the machine could make a whole lot. But one competitor using the same machinery is getting four hundred, and the other one, having such a combination of machines gets only three hundred and has to pay against his cost a burden on the machinery he had purchased, finds himself out of business, although that machinery manufactures a great deal more than the man by hand used to do. For that reason there is a need of order, there is a need of system and method, but it must remain secondary to the manufacture itself.

There is nothing more detrimental to industry than to see in the shop many colored cards and sheets going all over without any other purpose than to furnish employment to begoggled young men who have not much else of interest. The average man with a white collar when he gets into a factory where it is more or less noisy has only one feeling, and that is to get out. There are many men today who cannot think at all when their hands get dirty. It gives a certain superiority to the shopmen, a superiority which is often distinctly shown. It has a great deal to do with the discredit into which many of the systems fall. Those systems hampering production, causing discontent, should cease to be. It is strange for an efficiency man to come and tell you that those systems should end. They should. If men unfamiliar with manufacture have adopted or presented methods supposedly to help manufacture, and are falling short of their expectations, it becomes the duty of the manufacturing man, or the workingman, to take the place and add to this manufacture whatever means are necessary to make it systematic. To just look at it and say, "It is no good and will not work, and I know it will not work," is no justification. The thing to do is to take it and make it go right. What efficiency needs today is practical men with the knowledge of the shop who will learn the possibilities of improving production and becoming efficiency men themselves and not be afraid of the name, for it is in that way, and only in that way, that we can reduce the cost of production, as we must reduce it within a short time.

The application of efficiency to indus-



try with a view to reducing cost has been largely limited to that—the various means of routing or checking or planning the manufacture of the work through the various shops. It has done so without the fundamental knowledge which is absolutely necessary—measurement, knowing what are the units, if there are any, that can govern the relation of that which has to be done with that which is today the thing that has to be done, that is, planning. Planning is a well-ordained intention of doing one given thing at a given time under given conditions. Now, can we as a rule plan work through manufacture? Have we the information that will make that possible? And when it is done will it give the maximum result, the maximum production for a given effort? We contend it does not. The efficiency man of today, instead of sitting in the office of the planning department or in the executive office, should go through the shop to find out—not for the workmen but with the workmen—how long it takes to do a thing, whatever that thing may be; to agree with them that it does take that long, and once it is determined to put it down into a record that under given circumstances it has taken and it should take that long to perform that given operation, and then pass on to the next operation with that other man and that other machine, and so on through the shop. Take those time studies with the foreman, analyze them with him; take up the question of toolings, if there are any to be taken up, and the question of material being brought or taken away, if it is a matter of arranging work, and then arrive at a knowledge which is essential, which will show three things—the time required to perform, the capacity of that which performs, if it is a machine, and the weaknesses in the performance if it is properly timed.

In the operation it will give an actual time to perform under given conditions. If that actual is then combined to a period of rest, as no human being can be expected to work all day long without any rest, a certain figure will be reached. We will say, for instance, a milling operation—hand mill—and it has taken for that particular job two and a half minutes, but it is agreed by the operator and the foreman that there was a certain waste time, not wasted by the operator necessarily, but wasted through the process, through the nature of the operation, or through conditions of tooling, so that the actual time under normal conditions is two. Then add to that a certain percentage, we will say in this case it is one-half for rest and delays, so that the total will be four. Suppose instead of doing it with one operator you had done that a thousand years ago with a

thousand men, all average men, and had given them a certain operation to perform and had determined the individual time, had taken the waste and combining the time of a thousand and dividing by that number you had arrived at an average time to perform, and you were to repeat that same experiment today with a thousand men, you would arrive at practically the same thing, for individual length of time does not change. I do not speak of equipment; I do not speak of facilities; I speak of time as an average running through the ages. Whatever time you have set, if it is four minutes on that milling operation, and if the metal runs the same, and it is the same metal under the same conditions of light, heat and so forth, whatever time you put it in the future it will require the same time as it does today.

In other words, the standard of time does not change unless the operations or the conditions that govern the operations change themselves. If it does not change, then why not use it as a constant, as a means to measure that which is done? If the efficiency man who himself is a shop man, familiar with the lines he goes into, with the help of the operator and the help of the foreman arrives at an average time to do a certain thing, isn't that a form of measurement? Suppose that you have arrived at four minutes; just to be different call it four points. What is an inch? An inch is a twelfth of a foot. What is a point? We call the point the fraction of a minute of rest, the aggregate of which makes one minute. That becomes a unit, a unit to measure by. And if we were to have today units of measurement on all operations that are performed, we could dispatch the work through the shop. We could remunerate labor without any differences or difficulties, and we could secure an increased production that would probably offset the difference in cost of labor between our allies and friendly competitors of the future.

Some time ago in a shop in Springfield I saw a machine invented by the general superintendent. Speaking of the machine, after we had made some study and determined the number of points ourselves. I made the statement that the maximum production for a human being was twelve hundred, and I was laughed at by the general superintendent, by the president of the concern and by the director of production. We had made a bet and a few weeks ago I received a telegram from Springfield stating I had won my bet, as the total production was twelve hundred and thirty-five. Why? Because it had been a piece-work price in the past. That machine was a special machine and no record of production had been made of it in the past as to its

possibilities. It required an analysis of that particular machine in relation to performance to ascertain just what was its possibilities. The standard in points that I just mentioned a while ago would not have required twelve hundred. Twelve hundred, we stated, was the maximum. The manufacturer stated that eight hundred was a great maximum and that twelve hundred was possible. Now, isn't that repeated a great deal throughout the industries? Isn't there something that is holding back the movement forward of the operator, particularly through piece-work?

\* \* \*

## SOMETHING NEW IN

### DOOR CONSTRUCTION

One of the exhibits of the Model Homes Exhibition held at London is a door of novel construction, which has been patented in Great Britain under the name of "The Receivador." The door is a double one, and is constructed with compartments into which tradesmen may insert parcels without disturbing the occupier of the premises. Inside the house another door gives access to the compartments, and the mechanical feature of the contrivance is the alternating interlock, a clever device which makes it mechanically impossible for both the outer and the inner door to be open or unlocked at one and the same time.

When the tradesman, after inserting his package, closes the outer door of the compartment and turns the knob, this action automatically locks the outer door and unlocks the inner door. When the occupier removes the package and closes the inner, the latter in the same manner is locked and the outer door unlocked. The doors and locks are being manufactured in Nottingham and the inventor claims that his idea completely revolutionizes shop-to-home delivery service. The patentee, an American citizen at present residing in Nottingham, has already made application for patent rights in the United States.

\* \* \*

By laying a double course of enameled brick where a porch floor intersects a wall, you make a hit with the housewife. The enameled bricks protect the wall when the porch is scrubbed and are easy to keep clean. Keep these points in mind when building. The evidences of your forethought in these things cannot be hidden and you will soon acquire a valuable reputation as a careful and up-to-date builder.—*Exchange*.

Business is founded on reciprocity and co-operation. Any other plan than this spells bankruptcy. The successful business nowadays has a heart and a soul.



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING;  
CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Church (alt. and add.),** Chestnut avenue, Chestnut Hill, Philadelphia. Architects, Zant-zinger, Borie & Medary, Otis Building, Philadelphia. Owners, St. Paul's Protestant Episcopal Church, care of Rev. J. H. Chapman, 18 East Chestnut avenue, Chestnut Hill, Philadelphia. New chancel and general alterations. Stone. Plans in progress.

**Bank Building,** Sixtieth and Pine streets, Philadelphia. Architects, MacKenzie & Wiley, Liberty Building, Philadelphia. Owner, Keystone State Bank, care of H. Burstein, 900 Walnut street. Architects taking bids. Lam Building Co., 1001 Wood street; Frank Lucci, 1603 Ellsworth street; Cerasoli & Scurei, 1218 Catharine street, and J. Gorehov, 4116 Girard avenue, are figuring.

**Manufacturing Building,** 2428-48 North Eighth street, Philadelphia. Architects, William F. Koelle & Co., Twenty-sixth and Oxford streets, Philadelphia. Owners, Breyer Ice Cream Co., Eighth and Cumberland streets. Reinforced concrete, 8 stories, 50x200 feet, reinforced concrete roof and floors, (2) freight elevators, vitrified brick, rolled steel sash and skylights, Almet and steel rolling doors (lighting reserved). Plans about completed. Architects ready for bids.

**Bank,** Sixtieth and Ludlow streets, Philadelphia. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Mutual Trust Co., care of S. F. Scattergood, president, Bourse Building. Stone, 2 stories, 23x97 feet, electric light, tile and marble work. Plans in progress. Too early for details.

**Manufacturing Building,** Southwest Corner Franklin and Spring Garden streets, Philadelphia. Architect, Reuben Beard, Liberty Building, Philadelphia. Owners, name withheld. Reinforced concrete and steel, 8 stories, 84x106 feet, reinforced concrete roof and floors (steam heat, electric lighting and plumbing reserved by architect), rolled steel sash and skylights, kinnear, rolling doors, (3) storm bulk, (1) passenger and (1) freight elevator. Architect will be ready for bids in two weeks.

**Garage,** Fortieth and Girard avenue, Philadelphia. Architect, Reuben Beard, Liberty Building, Philadelphia. Owner, name withheld. Brick, 2 stories, 64x111 feet, slag roof, cement floors, freight elevator, steam heat, electric lighting, rolled steel sash, flush bulks. Architect will be ready for bids in a week.

**Store Building (alts.),** Northwest Corner Eighth and Chestnut streets, Philadelphia. Architects, Greisler-Abramson Co., Lafayette Building, Philadelphia. Owner, I. Press, on premises. Brick and terra cotta front, metal cornice, glazing, etc. Architects will be ready for bids in a few days.

**Residence and Garage,** Quincy and Carpenter streets, Germantown. Architects, Druckemiller & Williams, 1527 Chestnut street, Philadelphia. Owner, name withheld. Stone,

40x50 feet, slate roof, oak floors, vapor heating, electric lighting, tile and marble work. Architects ready for bids in a few days.

**Residence and Garage,** Quincy and Carpenter streets, Germantown. Architects, Druckemiller & Williams, 1527 Chestnut street. Owner, name withheld. Stone, 2½ stories, 30x60 feet, shingle roof, oak floors, warm air heat, tile and marble work. Plans in progress.

**Residences (59),** Daggett, Lebanon and Diamond streets, \$296,000. Architect, private plans. Owner, John H. McClatchey, Land Title Building, Philadelphia. Brick, 2 stories, 16x32 feet, slag roof, hot water heating, electric lighting, tile work, oak floors. Owner will build.

**Residence,** D street and Wyoming avenue, Philadelphia. Architect, private plans. Owner, Louis Burk, on premises. Brick and plaster, 2 stories, 12x39 feet, slag roof, pine floors, stone foundations, hot water heat, electric light, tile and marble work, metal lath, iron work. John N. Gill & Co., Otis Building, Philadelphia, is taking sub-bids.

**Shop (add.),** Second and Luzerne streets, \$6000. Owners, Comery & Conic, on premises. Brick, 1 story, 75x90 feet, slag roof, cement floors. Owners will build.

**Store and Residence (alts.),** 2733 Germantown avenue. Architects, MacKenzie & Wiley, Liberty Building, Philadelphia. Owners, Drucker & Dash, 50 South Sixtieth street, Philadelphia. General alterations, flush bulks, etc. Owners and architects will take sub-bids in one week.

**Store, Office and Apartments (alts.),** 4531 Frankford avenue, Philadelphia. Architects, MacKenzie & Wiley, Liberty Building, Philadelphia. Owners, Drucker & Dash, 50 South Sixtieth street, Philadelphia. General interior alterations, hot water heating, flush bulks, hardwood floors, changing partitions, etc. Architects and owners will take sub-bids in one week.

**Loft Building,** Northwest Corner Sixteenth and Spring Garden streets, Philadelphia. Architect, LeRoy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, J. C. Kahn, Morris Building, Philadelphia. Reinforced concrete and brick. Plans in progress.

**Theatre (alts.),** 6159 Woodland avenue, Philadelphia. Architects, Hoffman & Henon, Inc., Finance Building, Philadelphia. Owners, Orient Theatre, 6159 Woodland avenue, Philadelphia. Hollow tile, concrete and cement work, carpentry, plastering, mill work, brass railing, electric work, lumber, painting. Architect has received bids.

**Bridge,** Boulevard over Longford avenue, Philadelphia. Architect, Bureau of Survey, Department of Public Works, City Hall. Owner, City of Philadelphia, Bureau of Survey, City Hall, Philadelphia. Concrete and steel. Owners taking bids due August 8th.

**Bridge,** Boulevard over P. R. R., Philadel-

phia. Architect, Bureau of Survey, Department of Public Works, City Hall. Owner, City of Philadelphia, Bureau of Survey, City Hall, Philadelphia. Concrete and steel. Owners taking bids due August 8th.

**Stores and Dwellings (4),** Second and South streets, \$28,000. Architect, private plans. Owner, Isadore Milgram, Commonwealth Building. Brick, 3 stories, 16x24 feet, 13x17 feet, slag roof, hot water heat, electric lighting, flush bulks. Owner will build.

**Dwellings (6),** 5049 to 5059 North Camac street, \$42,500. Owner, George Schwinn, 1524 West York street, Philadelphia. Brick, 3 stories, 16x50 feet, and 2 stories, 15x32 feet, 12x17 feet, slag roof, hot water heat, electric lighting. Owner will build.

**Dwellings (31),** 5403 to 5453 North Eleventh street, \$155,300. Owner, William J. Blatz, 709 Butler street, Philadelphia. Brick, 2 stories, 16x46 feet and 15½x29½ feet, 12x16½ feet, slag roof, hot water heat, electric lighting, hardwood floors. Owner will build.

**Dwellings (2) (alt. and add.),** 113-15 South Sixtieth street, Philadelphia, \$20,000. Architect, private plans. Owner, A. M. Mahjoubian, 5926 Walnut street, Philadelphia. Brick, 3 stories, 16 feet 4 inches x 7 feet 3 inches, 13x37 feet and 3x37 feet. Owner will build.

**Residence and Service Building,** Mount Airy, Philadelphia. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owners, Ivy Hill Cemetery Co., 5604 Germantown avenue. Stone, 2½ stories, 28x37 feet, and 1½ stories, 25x68 feet, slate roof, pine and cement floors, mill work, hot air and hot water heat, electric light, iron work, plumbing. Owners taking bids due August 12th. George S. Roth & Son, 230 East Gravers lane; Stokes Bros., 6723 Musgrave street; James H. Walters, 168 East Walnut lane; F. Elvidge & Sons, 5522 Germantown avenue; John Walt, 204 East Willow Grove avenue, and M. S. Oberholtzer, 5524 Pulaski avenue, are figuring.

**Residences (4),** Eighty-sixth street, between Gibson and Harley avenues. Architect, H. Childs Hodgins, 130 South Fifteenth street. Owner, John E. Droesch, 5946 Trinity Place. Brick, 2 stories, 16x26 feet, slag roof, pine floors, hot air heat. Owners will take sub-bids.

**Building,** No. 2, Keystone and Cottman streets, Philadelphia. Architect, private plans. Owners, L. H. Gilmer Co., Tacony, Pa. Brick, steel and plaster, 2 stories, 55x75 feet, slag roof, cement, concrete and maple floors, stone foundations, rolled steel sash, rolled steel shutters, iron work (heating and lighting reserved). Revised plans in progress.

**Rendering Building,** Richmond below Ontario street, Philadelphia. Architects, Tunis & Genther, Real Estate Trust Building. Owner, Wm. H. Smith, 4252 Houghton street. Brick, 3 stories, slag roof, cement floors, stone foundations, electric light, waterproofing, or-



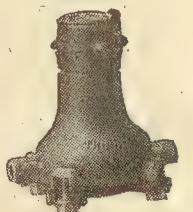
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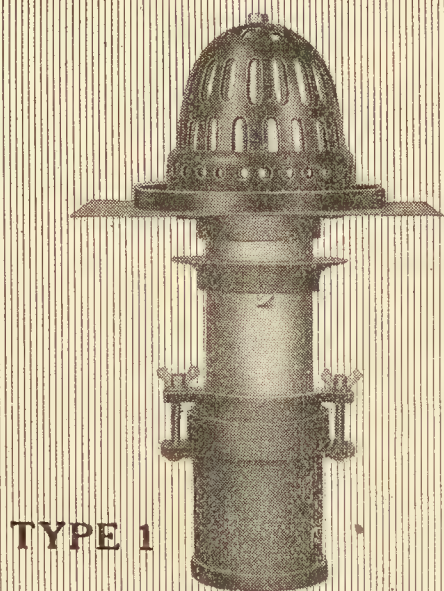
BOTH PHONES



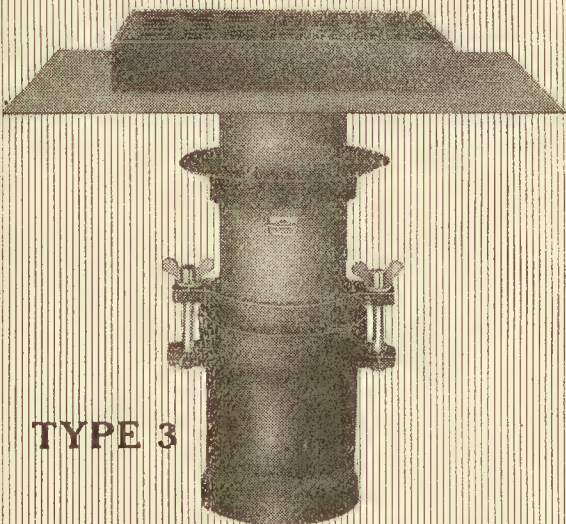


# Use Holt Roof Connections with

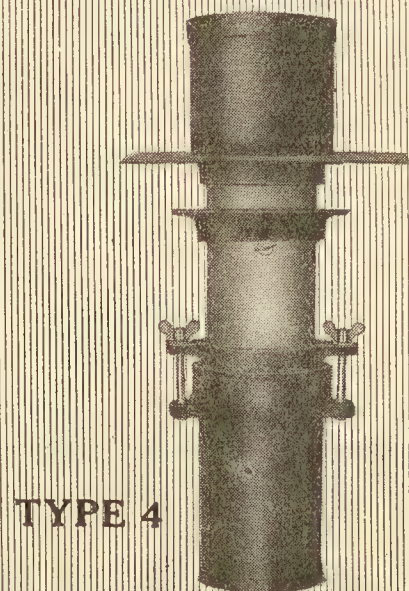
## *Barrett Specification Roofs*



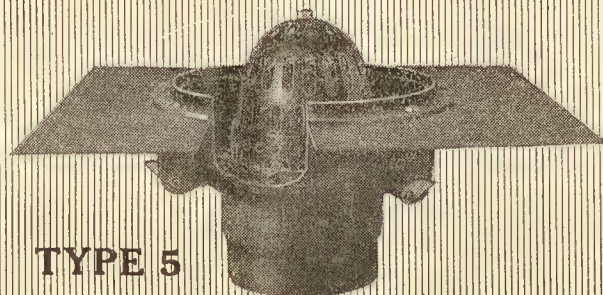
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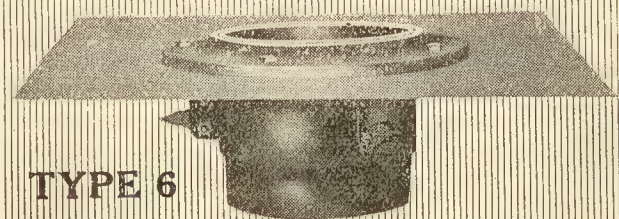
TYPE 3



TYPE 4



TYPE 5



TYPE 6

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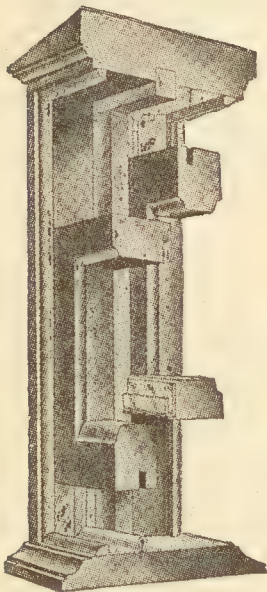
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namental iron work. Architect has received bids.

**Paving, Philadelphia.** Owners, Bureau of Highways, Department of Public Works, City Hall. Grading, asphalt, vitrified block, granite block, repaving asphalt on concrete base, repaving redressed granite block on concrete base (also wood block on concrete base). Owners taking bids due August 8th.

**Shop and Warehouse, Fox and Clearfield streets, Philadelphia.** Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Ridpath & Potter, Bourse Building, Philadelphia. Brick, 2 stories, 46x76 feet, slag roof, concrete floors, stone foundations, steam heating, electric lighting. Plans completed. Owners are ready to take general bids.

**Residence (alts. and add.), 1922 North Broad street, Philadelphia.** Architect, Benjamin Laub, 10 South Eighteenth street, Philadelphia. Owner, John J. Harris, 5620 McMahon street, Germantown. Brick, 3 stories, general interior alterations, 1 story add., brick, 11x14 feet, slag roof, new porch, hardwood floors, hot water heating, electric lighting, plumbing. Owners taking sub-bids.

**Dwellings (30), Fifty-fourth and Diamond streets, Philadelphia, \$186,000.** Architect, private plans. Owners, Forbes & Jones, 5916 Catharine street, Philadelphia. Brick, 2 stories, 16 feet 9 inches x46 feet, 17x46 feet and 16x33 feet 7 inches, 12x10 feet, slag roof, hot water heat. Owners will build.

**Residence and Garage, Cliveden avenue and Wissahickon Drive.** Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, name withheld. Stone, 2½ stories, 30x60 feet, 1 story, 18x22 feet, slate roof, hardwood floors, hot water heat, electric lighting, tile and marble work. Plans in progress.

**Residences (20), Wingohocking street, between Twelfth and Thirteenth streets, North side.** Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Solomon Bros., 824 Snyder avenue, Philadelphia. Stone, (10), brick (10), sixteen 16x58 feet, four 20x58 feet, slag, slate and asbestos shingle roof, oak floors, garages in basements, cement work, hot water heating, electric lighting, tile work, stone foundations. Owners ready for sub-bids.

**Residence and Garage, Oak Lane, Philadelphia.** Architects, Clark & Dudnick, Drexel Building, Philadelphia. Owner, Harry Largman, care of architects. Stone, 2½ stories, 28x40 feet, garage, 1 story, 10x20 feet, slate roof, cement and hardwood floors, hot water heat, electric lighting, tile work. Plans in progress.

**Residence (alts. and add.), Oak Lane, Philadelphia.** Architects, Mills & Van Kirk, Harrison Building, Philadelphia. Owner, Captain J. G. Tawresey, U. S. N., Washington, D. C. Stone, 3 stories, add. rear 20x15 feet, and 2½-story side addition, slate roof, oak and cement floors, interior decorating, cabinet work, electric lighting, tile and marble work, plumbing. Architects are ready for bids.

**Dwelling (add. and alt.), 125 Bainbridge street, Philadelphia, \$2,500.** Architect, private plans. Owner, Pasquale Ferrison, 111-113 South street, Philadelphia. Brick, 2 stories, 7x12 feet. Owner will build.

**Dwelling, East side Oxford pike, South of Cottman street, Philadelphia, \$4,000.** Architect, private plans. Owner, Jacob Gartner, 2214 North Third street, Philadelphia. Hollow tile, 2 stories, 30 feet 9 inches x39 feet 10 inches, asbestos roof, hot air heat. Owner will build.

**Dwellings (12), East side Fairhill street, South of Duncannon street, \$42,000.** Architect, private plans. Owner, Charles G. Emery, 7311 Rockland street, Philadelphia. Brick, 2 stories, 16 feet 4 inches x32 feet 10 inches, hot water heat. Owner will build.

**Dwellings (2), Forty-seventh and Pine and Forty-seventh and Osage avenue, Philadelphia, \$41,000.** Architect, private plans. Owner, Clarence R. Siegel, Forty-seventh and Larchwood avenue, Philadelphia. Brick, 3 stories, 25x44 feet and 26x57 feet, slate roof, hot water heat. Owner will build.

**Residence, St. Martin's, Philadelphia.** Architects, De Armond, Ashmead & Bickley, Franklin Trust Building, Philadelphia. Owner, William C. Hess, Jr., 1817 North Twenty-fourth street, Philadelphia. Stone and rough cast, 2½ stories, 28x58 feet, wing 18x22 feet, garage, 1 story, 20x22 feet, slate roof, oak and cement floors, tile and marble work, electric lighting, hot water heating, gasoline storage system. Architects taking bids due August 14th. Eugene Tourison, 20 Westview street,

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Thomas C. Trafford, 1613 Sansom street; Specht & Sperry, Heed Building; Fred Elvidge & Son, 5522 Germantown avenue; F. B. Davis, 240 North Sixteenth street, and I. A. Dunkelberger, 71 East Herman street, are figuring.

**Theatre**, Fifty-second and Chestnut streets, Philadelphia. Architects, Hoffman Henon, Inc., Finance Building, Philadelphia. Owners, Stanley Company of America, care of J. McGuirk, Vice-President, 1214 Market street, Philadelphia. Brick, stone, concrete, terra cotta, granite, marble and steel, tile, marble and terrazzo work. Plans completed. Architects will be ready for sub-bids in a few days.

**Office Building (alts. and add.)**, Twentieth and Indiana avenue, Philadelphia. Architect, H. Childs Hodgins, 130 South Fifteenth street, Philadelphia. Owners, Freihofer Baking Co., Twentieth and Indiana avenue. Brick, steel and terra cotta, 1 story, 50x110 feet, built-up roof, composition floor, stone foundations, tile, marble and terrazzo work, iron work, plastering, carpentry, lockers. Architect taking bids, due August 13th at noon. J. M. Yardley, 1716 Sansom street; Ketcham & McQuade, 1029 Brown street; A. R. Raff Cont. Co., 1635 Thompson street; P. Haibach Cont. Co., Twenty-sixth and Thompson streets; F. A. Havens Co., 845 North Nineteenth street; F. M. Sax, Franklin Bank Building; Frank G. Stewart, 1619 Sansom street, are figuring.

**Store (int. alts.)**, 1306 Chestnut street, Philadelphia. Architect, David B. Bassett, Perry Building, Philadelphia. Owner, George Miller, 1306 Chestnut street, Philadelphia. Alterations to first floor and mezzanine. Revised plans in progress.

**Building (alts. and add.)**, 622-24 Cherry street, Philadelphia. Architect, private plans. Owners, T. S. Johnson & Son, 622-26 Cherry street, Philadelphia. Brick and steel, 2 stories, 32x48 feet, pine floors, stone foundations (heat, light and roofing reserved), glazing, painting, plumbing, hardware, iron work. Owners taking bids, due August 7th, from Albert Zellfelder, 151 South Broad street.

**Building (alts.)**, Eighth and Chestnut sts., Philadelphia. Architects, Greisler-Abramson Co., Lafayette Building, Philadelphia. Owners, I. Press & Son, Eighth and Chestnut streets. Brick, 4 stories, new walls, sheet metal, mill work, painting, glazing, iron work, plastering, hardware, repairing roof and floors. Architects taking bids, due August 9th

at noon. Wm. R. Dougherty, 1610 Sansom street; J. M. Yardley, 1716 Sansom street; Ketcham & McQuade, 1029 Brown street; Hogg Const. Co., 1634 Sansom street; F. A. Havens Co., 845 North Nineteenth street, are figuring.

**Dwellings** 13), west side of Franklin street, north of Rockland street, \$42,900. Architect, private plans. Owner, Cornelius Kiely, 312 West Seymour street, Philadelphia. Brick, 2 stories, 16x32 feet, slag roof, hot water heat. Owner will build.

**Store and Dwelling**, 2605-07 Orthodox st., Philadelphia, \$6,000. Architect, private plans. Owner, Victor A. Gutowski, 2585 Orthodox street, Philadelphia. Brick, 2 stories, 32x24 feet, 16x36 feet, slag roof, hot water heat. Owner will build.

**Dwellings** (2), 6924-26 Walker street, Philadelphia, \$6,500. Architect, private plans. Owner, Lewis Dietrich, 3016 Comly street, Philadelphia. Brick, 2 stories, 16x34 feet, slag roof, hot air heat. Owner will build.

**Garage**, 2039-41-43 North Marshall street,

Philadelphia, \$3,500. Architect, private plans. Owners, Whittaker Bros., 2035 North Marshall street, Philadelphia. Brick, 1 story, 53x96 feet. Owners will build.

**Store and Warehouse**, 902-04 South Tenth street, Philadelphia. Architect, Henry D. Dagit, 4527 Pine street, Philadelphia. Owner, A. Fiumara, 733 South Ninth street, Philadelphia. Brick and stone, 4 stories, 30x40 feet, slag roof, stone foundations, pine floors, steam heat, electric light, metal ceilings, iron work. Architect taking revised bids. Lam Building Co., 1001 Wood street, are figuring.

**Ice Cream Factory**, 853-65 North Fourth street, Philadelphia. Architect, Van Rensselaer H. Green, 154 Nassau street, New York City. Owners, Columbia Ice Cream Co., care of Edw. Trainer, president, 820 South Second street. Concrete and steel, 3 stories (2 additional stories to be built later), 118 and 100 feet, 143 feet deep, reinforced concrete roof and floors, electric lighting, rolled steel sash, elevator, insulation work, concrete stairs. Owners will build.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Reading Terminal (alts.)**, Twelfth and Market streets, Philadelphia, \$50,000. Architect, private plans. Owners, Philadelphia & Reading Railway Co., Reading Terminal, Philadelphia. General interior and exterior alterations and additions. Contract awarded to Phoenix Bridge Co., Phoenixville, Pa.

**Building (alts. and add.)**, 208 South Third street, Philadelphia. Architect, C. A. Ziegler, 1218 Chestnut street, Philadelphia. Owners, Homestead Farms Co., on premises. Brick, 3 stories, 10x15 feet, stone foundations, tin roof, pine floors, tile and marble work, hollow metal skylights (heating, electric lighting and plumbing reserved), iron work. Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

**Restaurant (alt.)**, Fifth and Ludlow streets, Philadelphia, \$3400. Architect, private plans. Owner, Penna. Ins. Co., 519 Chestnut street, Philadelphia. General alterations. Contract awarded to Frank E. Wallace, 1220 Chancellor street.

**Store and Dwelling (2 family)**, 123 South street, Philadelphia, \$14,750. Architect, private plans. Owner, Sam Lipshitz, 125 South street, Philadelphia. Brick, 3 stories, 18x34 feet, 15x50 feet, slag roof, hot water heat. Contract awarded to J. Gorchov, 4116 Girard avenue, Philadelphia.

**Motion Picture Theatre**, 1534-36 South street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street. Owner, A. Wax, 1534 South street, Philadelphia. Brick and



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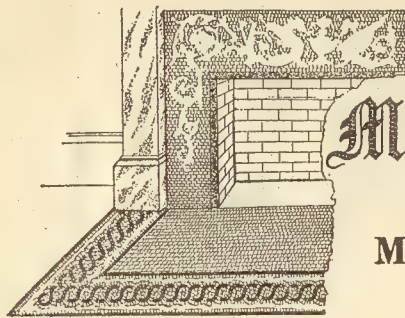
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terra cotta, steel, 1 story, 80x120 feet, asbestos and asphalt roof, cement floors, metal lath, roof ventilators, dampproofing, stone foundations, tile and marble work, hollow metal skylights, kalamein doors, dampproofing, iron work (light, heat and plumbing reserved). Contract awarded to Kober Const. Co., North American Building, Philadelphia.

**Store Building**, Fifty-fifth and Angora streets, \$4200. Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, William J. O'Brien, 1133 Walnut street, Philadelphia. Brick, 1 story, 18½x40 feet, slag roof, parquetry and pine floors, electric lighting, marble work (heating reserved). Contract awarded to Thomas C. Trafford, 1613 Sansom street, Philadelphia.

**Garage**, 115 West Tulpehocken street, Germantown. Architects, Heacock & Hokanson, 1218 Chestnut street, Philadelphia. Owner, Mrs. Jules Wellens, Fisher's Lane and Logan street, Philadelphia. Hollow tile and stucco, 1½ stories, 20x28 feet, shingle roof, cement and pine floors, stone foundations, hot water heat, electric lighting. Contract awarded to William R. Graham, 3649 Filbert street, Philadelphia.

**Storehouse**, Southwest Corner Front and Wharton streets, Philadelphia, \$25,000. Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, Paul J. Devitt, 1101 South Second street, Philadelphia. Brick, 2 stories, 38x106 feet, slag roof, cement and maple floors, plumbing, fenestra sash, hollow metal skylights, steam heating. Contract awarded to Charles S. Hill, 229 Locust street, Philadelphia.

**Factory (add.)**, Northeast Corner Brown and Hutchinson streets, \$45,000. Architect, private plans. Owner, Powers, Weightman & Rosengarten, Ninth and Parrish streets. Brick, 5 stories, 35x80 feet, slag roof, cement floors, electric light. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia.

**Residence**, Overbrook, Philadelphia. Architects, Druckenmiller & Williams, 1527 Chestnut street, Philadelphia. Owners, Green Hill Farms, Sixty-fourth and City Line, Overbrook, Philadelphia. Hollow tile and plaster, 2½ stories, 25x60 feet, shingle roof, oak floors, stone foundations, electric lighting, tile work. Contract awarded to Alfred James, Bala, Pa., who is taking sub-bids.

**Factory**, Ontario and Janney streets, Philadelphia, \$14,600. Owner, William Ford, on

premises. Brick, 1 story, 60x120 feet, slag roof, cement floor, electric light. Contract awarded to Austin Co., Bulletin Building, Philadelphia.

**Factory (add.)**, Twentieth and Indiana avenue, Philadelphia. Architect, H. Childs Hodgens, 130 South Fifteenth street, Philadelphia. Owner, Freihofer Baking Co., on premises. Brick, hollow tile and concrete, third story add., 20x20x135 feet, reinforced gypsum roof. Contract awarded to P. Haibach Cont. Co., Twenty-sixth and Thompson streets.

**Store Building (alts. and add.)**, 1227 Market street, Philadelphia, \$3,000. Architect, private plans. Owner, Elizabeth C. Morris, 119 South Fourth street, Philadelphia. Brick, second story add., 20x50 feet, slag roof. Contract awarded to Doyle & Co., 1519 Sansom street, Philadelphia.

**Sunday School Building**, Fifty-fourth and Spruce streets, Philadelphia, \$165,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owner, Bethany Temple, on premises. Stone and brick, 2 stories, 83x108 feet, wing 24x27 feet, slag roof, maple floors, pine floors, stone foundations, steam heating, electric lighting, rolled steel sash, iron work. Contract awarded to A. R. Raff Cont. Co., 1635 Thompson street, Philadelphia.

**Store Building**, 1344-46-48 Poplar street, \$5600. Architects, Hoffman, Henon Co., Finance Building, Philadelphia. Owner, name withheld. Brick, 1 story, 52x50 feet, felt roof, pipeless heater, electric lighting, hollow metal skylights, flush bulks, plumbing. Contract awarded to Ketcham & McQuade, 1029 Brown street.

**Residence**, northeast corner of Eighth street and Sixty-fourth avenue, \$14,000. Architect, private plans. Owner, Schuyler Armstrong, 1927 North Broad street, Philadelphia. Stone, 3 stories, 29x47 feet, 2 stories, 18½x12 feet, slate roof, hot water heat, electric light, oak floors, tile work. Contract awarded to C. E. Lloyd, Jr., 6600 North Eighth street, Oak Lane, Philadelphia.

**Residence**, Eighth street, south of Sixty-sixth avenue, \$8,000. Architect, private plans. Owner, George J. Kuhn, 432 Girard avenue, Philadelphia. Stone, 2 stories, 32x37 feet, slate roof, hot water heat, electric light, tile work oak floors. Contract awarded to A. E. Voigt, 6108 North Tenth street, Philadelphia.

**Residence**, Fairhill street, north of Godfrey avenue, \$8,000. Architect, private plans. Owner, H. F. Timmer, 6206 Fairhill street,

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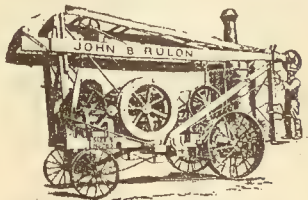
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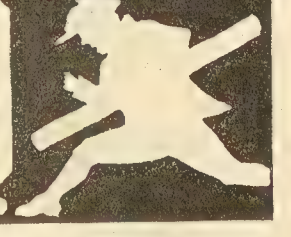


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Philadelphia. Brick and tile, 2 stories, 25x39 feet, slate roof, hot air heat, electric light, tile work, oak floors. Contract awarded to C. E. Lloyd, Jr., 6600 North Eighth street, Philadelphia.

Residence, Eighth street, south of Sixty-fourth avenue, \$8,000. Owner, W. D. Shelley, Fifth and City Line, Philadelphia. Brick and tile, 2 stories, 25x39 feet, slate roof, hot air heat, electric lighting, oak floors, tile work. Contract awarded to C. E. Lloyd, Jr., 6600 North Eighth street, Oak Lane, Philadelphia.

Laundry Building, 2336 North Twenty-fourth street, Philadelphia, \$5,600. Architect, private plans. Owner, Robert G. Wright, 2334 North Twenty-fourth street, Philadelphia. Brick, 1 story, 12x109 feet, slag roof, pine floors, electric light. Contract awarded to Wm. Freiling, 2553 North Fifth street, Philadelphia.

Business Property alts. and add.), 1640 South street, Philadelphia, \$5,300. Architect, Reuben Beard, Liberty Building, Philadelphia. Owner, George Swift, on premises. Brick, 3 stories, 22x36 feet, slag roof, hot water heat, electric light, cement and pine floors, metal ceilings, iron guards. Contract awarded to A. P. Luckner, 5136 Parkside avenue, Philadelphia.

Apartment House (alts. and add.), 3605 Powelton avenue, Philadelphia, \$4,900. Architect, LeRoy B. Rothschild, 1225 Sansom st., Philadelphia. Owner, M. I. Crane, 1022 Lincoln Building, Philadelphia. Brick and stucco, 3 stories, porch enclosures, plumbing, heating, electric work, hardwood floors, tile work. Contract awarded to Dillon & Clements, 1223 S. Twentieth street, Philadelphia.

Garage, Fifty-fourth and Whitby avenue, Philadelphia, \$4,000. Architects, Smith & Rovner, 703 Witherspoon Building, Philadelphia. Owner, Harry J. Loeper, Fifty-fourth and Whitby avenue, Philadelphia. Brick and steel, 2 stories, 100x18 feet, slag roof, cement and pine floors, rolled steel sash (plumbing, heating and electric work reserved). Contract awarded to Thomas T. Lee & Son, Fifty-sixth and Cherry streets, Philadelphia.

Dwellings (28), Tenth and Courtland sts., Philadelphia, \$126,500. Architect, private plans. Owner, Charles M. Stroman, 6808 Quincey street, Philadelphia. Brick, 2 and 3 stories, 16x45 feet and 16x34 feet, 13x11 feet, slag roof, hot water heat. Contract awarded to Charles H. Clifton, 2011 North Woodstock street, Philadelphia.

Manufacturing Building (add.), southwest corner of Sixth and Tabor Road, Philadelphia, \$15,000. Architect, private plans. Owners, Philadelphia Textile Machine Co., on premises. Reinforced concrete, third floor,

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31x100 feet. Contract awarded to Hennebique Construction Co., 1170 Broadway, New York.

Store and Dwelling (add. and alt.), 1517 Walnut street, Philadelphia, \$6,000. Architect, private plans. Owner, Miss D. B. Hyle, on premises. Brick, 1 story, 11x8 feet and 5x10 feet. Contract awarded to Philip Robin, 1328 Chestnut street, Philadelphia.

Shop (add.), Third and Ontario streets, Philadelphia, \$16,000. Architect, private plans. Owner, Liggett Myers Tobacco Co., on premises. Brick and concrete, 1 story, 15x131 feet. Contract awarded to the Austin Co., Bulletin Building, Philadelphia.

Church (alts.), Southeast Corner Fourth and Reed streets, Philadelphia, \$2,500. Architect, private plans. Owner, St. Alphonse's Roman Catholic Church, Rev. J. Michil, on premises. General alterations. Contract awarded to James Seelton, 2139 Orianna street, Philadelphia.

Stair Tower and Elevator Hatch (alts.), 406 Race street, Philadelphia, \$3,350. Architect, H. B. Weldon, Fuller Building, Philadelphia. Owner, Harry Tuttleman, 406 Race street, Philadelphia. Brick work, steel, iron stairs, carpentry, patching roof and plastering, galvanized iron skylights. Contract awarded to William Easternbrook, 146 North Fourth street, Philadelphia.

Residence (alts.), Broad and Courtland streets, Philadelphia, \$4,900. Architect, H. W. Castor, Stephen Girard Building, Philadelphia. Owner, Dr. S. Goldberg, 4415 Germantown avenue, Philadelphia. Rearrangement of office, partitions, mill work, etc. Contract awarded to Geo. A. Boyd, 5701 North Sixth street, Philadelphia.

Garage, 3329 Woodland avenue, Philadelphia, \$9,000. Architect, private plans. Owner, Mrs. J. A. Millard, on premises. Brick, 1 story, 26 feet 7 inches x 61 feet 5 inches.

Contract awarded to Duckworth & Harvey, 537 Cooper street, Camden, N. J.

Garages, Blavis street, East of Seventeenth street, Philadelphia, \$10,000. Architect, private plans. Owner, Morgan M. Bynon, on premises. Iron, 1 story, 24x18 feet, 14x12 feet and 36x90 feet. Contract awarded to Barelay White & Co., 1713 Sansom street, Philadelphia.

Dwelling (add. and alt.) to Apartments, 1922 North Broad street, \$6,000. Architect, private plans. Owner, M. J. Harrison, 1601 Diamond street, Philadelphia. Brick, second-story add., 17x15 feet, general alterations. Contract awarded to J. I. Harrison, 1922 North Broad street, Philadelphia.

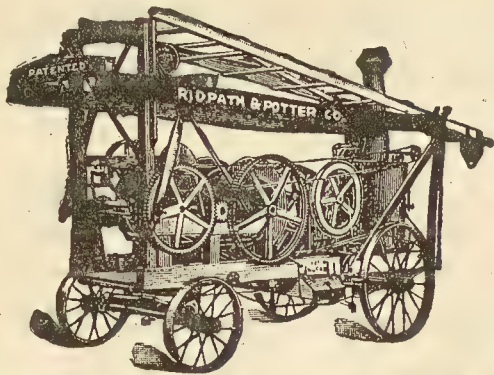
Residence, Springfield Lane and Westview street, Germantown. Architect, Edmund B. Gilchrist, 1627 Chestnut street, Philadelphia. Owner, Richard E. Bishop, care of architect. Rough cast, 3 stories, 25x48 feet, copper and shingle roof, oak floors, marble work, iron work (heating and lighting reserved). Contract awarded to Pringle Borthwick, 8018 Germantown avenue.

Bank Building, Point Breeze avenue and Wharton street, Philadelphia. Architects, Robt. W. Pollock & Harry R. Rust, 1802 Chestnut street, Philadelphia. Owners, Roosevelt Bank, on premises. General interior and exterior alterations, marble and bronze work, electric fixtures, tile work, marble floors, concrete vault, bank fixtures. Contract awarded to F. E. Wallace, 1220 Chancellor street, Philadelphia.

Store and Dwelling (alts. and add.), northeast corner of Moyamensing and Sartain sts., Philadelphia, \$3,000. Architect, private plans. Owner, Anna Brooks, 3301 South Broad street, Philadelphia. Brick, 2 stories, 14x28 feet, general alterations. Contract awarded to H.

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W. Prettyman, 2613 South Broad street, Philadelphia.

Store (alts.), 342-44 South Front street, Philadelphia, \$2,250. Architect, private plans. Owners, Consolidated Product Co., 329 South Front street, Philadelphia. General alterations. Contract awarded to B. Shestack & Co., 528 Reed street, Philadelphia.

## Pennsylvania Construction News

Church (add. and ext. alts.), Ashley, Pa. Architects, Morris & McHale, Burr Building, Scranton, Pa. Owners, Slavonic R. C. Church, care of Rev. Zedbarick, Ashley, Pa. Brick, 1 story and basement, 28x50 feet, slate roof, hardwood floors, electric light, tile and marble work. Architect has received bids.

School, Lofty, Schuylkill County, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Kline School District, Schuylkill County, Pa. Frame, 1 story, asbestos shingle roof, wood floors, hot air heat, electric light. Owners taking bids.

School (alts. and add.), Pittston, Pa. Architects, Morris & McHale, Burr Building, Scranton, Pa. Owner, care of J. J. Cox, West Pittston, Pa. Frame, 2 stories, 30x60 feet, slate roof, pine floors, electric light, general interior alterations. Owner taking bids, due as soon as possible. Michael Monganello, Pittston, Pa., is figuring.

School, Avoca, Pa., \$60,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Rev. Father M. F. Crane, Avoca, Pa. Brick, 3 stories, 53x110 feet, concrete foundations, slate and slag roof, pine floors, steam heat, electric light, hollow metal sash, roof ventilators, hollow metal skylights. Bids have been received.

Store and Apartment, South Washington street, Wilkes-Barre, Pa., \$15,000. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, Edward Bartikowsky, Wilkes-Barre, Pa. Brick, terra cotta and limestone, 3 stories, 22x120 feet, stone foundations, slag roof, pine floors, steam heat, electric light, tile and marble work. Architect will be ready for bids August 5th.

Public Garage, Scott street, Wilkes-Barre, Pa., \$10,000. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, John Luksie, Scott street, Wilkes-Barre, Pa. Brick, 2 stories, 80x40 feet, stone foundations, slag roof, cement floors, steam heat, electric light, hollow metal sash. Plans in progress. Architect will take bids.

Apartment (7 family), Scranton, Pa. Architect, D. A. Morgan, Connell Building, Scranton, Pa. Owner, Max Savage, 83 South Penn avenue, Wilkes-Barre, Pa. Stone, frame

and stucco, 3 stories and basement, 41x85 feet, concrete foundations, slag roof, hardwood floors, steam heat, electric light, tile, marble and terrazzo work, roof ventilators. Architect has received bids.

School, Lost Creek, Schuylkill County, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Lost Creek School District, on premises. Frame, 2 stories, 40x58 feet, concrete foundations, asbestos roof, wood floors, hot air heat, electric light. Owners taking general bids, due August 6th. J. J. O'Hara, Shenandoah, Pa., and Andrew Breslin, Summit Hill, Pa., are figuring.

Hospital (add.) (Laundry, Boiler House and Kitchen), Nanticoke, Pa. Architects, McCormick & French, Second National Bank Building, Wilkes-Barre, Pa. Owners, State Hospital of Nanticoke, care of Dr. E. D. Boyer, superintendent, Nanticoke, Pa., \$20,000. Brick and concrete, 1 story and basement, 53x59 feet and 26x60 feet, slag roof, cement floors, electric lighting. Plans completed.

Steam Heat Plant, Plymouth, Pa. Architect, J. A. Boyle, Bennett Building, Wilkes-Barre, Pa. Owners, Plymouth School District, John Hooper, Plymouth, Pa. Brick, 1 story, 34x24 feet, steel stack, boilers, slate roof. Owner will take bids, due August 12th.

Store Front, Public Square and West Market street, Wilkes-Barre, Pa. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owners, M. Hertzog Co., on premises. Plate glass, copper, galvanized iron roof, parquet floors. Architect taking bids.

School, Wilkes-Barre Township, Pa. Architect, J. A. Boyer, Bennett Building, Wilkes-Barre, Pa. Owners, Wilkes-Barre Township School District, P. J. Cummings, Wilkes-Barre, Pa. Frame, 2 rooms, slate roof, pine floors, steam heat, electric light, roof ventilators. School Board taking bids.

Church, Pocono Pines, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Father Roeland, Pocono, Pa. Frame, 1 story and basement, 36x80 feet, stone foundations, shingle roof, hardwood floors, electric light. Owner is building.

Infirmary Building 'S' and Outside Corridor, Spring City, Pa. Architect, Philip H. Johnson, Presser Building, Philadelphia. Owners, State Institution of Feeble Minded, Spring City, Pa. Brick, steel and terra cotta, 2 stories, 40x80 feet, wings (2) 28x90 feet, slag and slate roof, granolithic and pine floors, stone foundation, steam heat, electric light, tile, marble and terrazzo work, rolled steel sash and skylights, steel doors, iron stairs and work, metal lath, elevators, dampproofing. Owners taking bids, due August 19th. Standard Const. Co., 1713 Sansom street; F. W. Mark Cont. Co., Finance Building; F. H. Kaiser, Pottstown, Pa., are figuring.

Factory, Ephrata, Pa. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Harry Eby Shoe Co., Ephrata, Pa. Brick and steel, 4 stories, 47x49 feet, slag roof, maple floors, stone foundations, rolled steel sash, iron work (heating and electric work reserved). Architect has received revised bids.

Factories (2), Turbotville and Mifflinsburg, Pa. Architect, W. H. Lee, 32 South Seventeenth street, Philadelphia. Owners, A. P. Villa & Bros. Co., Inc., 95 Madison avenue, New York. Brick, 1 story, 50x170 feet and 50x165 feet, built-up roof, wood floors, reinforced concrete work, roof ventilators (heating and lighting extensions). Architect will

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be ready for bids in about one week.

**Church**, Collegeville, Pa. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owner, St. Care's Roman Catholic Church, care of Rev. William A. Buessner, Collegeville. Stone, 1 story, 38x97 feet, stone foundations, slate roof, pine floors (plumbing, heat, electric work, seats, leaded glass, etc., reserved). Architect taking revised bids due August 11th. Frank Shuler, Norristown, Pa.; E. F. Poley, Trappe, Pa.; H. C. Shalleross, Gratersford, Pa.; C. Whiteman, Schwenksville, Pa.; George L. Croll, Rosemont, Pa.; C. Borner, 2838 North Front street; Frank G. Stewart, 1619 Sansom street, and D. W. O'Dea, 5227 North Fifth street, Philadelphia, are figuring.

**Dormitories (girls and boys)**, Orphanage, Sunbury, Pa. Architect, W. H. Lee, 32 South Seventeenth street, Philadelphia. Owner, I. O. O. F., Orphanage, Sunbury, Pa. Brick, 3 stories, 43x58 feet, slate roof, cement and pine floors, stone foundations (heating and lighting extensions), tile work (swimming pool in boys' dormitory), mill work. Architect will supervise construction. Owner will buy materials.

**Cottage**, Torresdale, Pa. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owner, Mrs. C. W. Middleton, Torresdale, Pa. Frame and shingle. Architect taking bids due August 6th. F. A. Havens Co., 845 North Nineteenth street, is figuring.

**Balance of Operation of 100 to 125 Residences**, Upper Darby Township, Pa. Architect, private plans. Owner, Harry Koch, Upper Darby Township, Pa. Stone and stucco, 2½ stories, 30x40 feet and 35x45 feet, composition shingle roof, oak floors, hot water heat, electric light, tile and marble work. Owner is taking sub-bids.

**Residence**, Strafford, Pa. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, Charles Winter Bailey, Strafford, Pa. Stone, 2½ stories, 35x60 feet, slate roof, oak floors, electric lighting, tile work. Architects taking bids due August 9th. Gray

Bros., Rosemont, Pa.; Milton W. Young, Overbrook, Pa., and J. D. Lengle, Wayne, Pa., are figuring.

**Residence (alts.)**, Bryn Mawr, Pa. Architects, Haas & Kleeman, 10 East Forty-third street, New York City. Owner, Mrs. Lillian Ryan, Bryn Mawr, Pa. Stucco, 2½ stories, metal lath, plastering, carpentry, hardware, steam heat, plumbing, electric work, mill work. Architects taking bid due August 8th from J. E. Kearney, 34 South Seventeenth street, Philadelphia.

**Residence (alts. and add.)**, Valley Forge, Pa. Architect, R. Brognard Okie, Crozer Building, Philadelphia. Owner, John R. K. Scott, Lincoln Building, Philadelphia. Interior alterations and porches. Owner is taking bids.

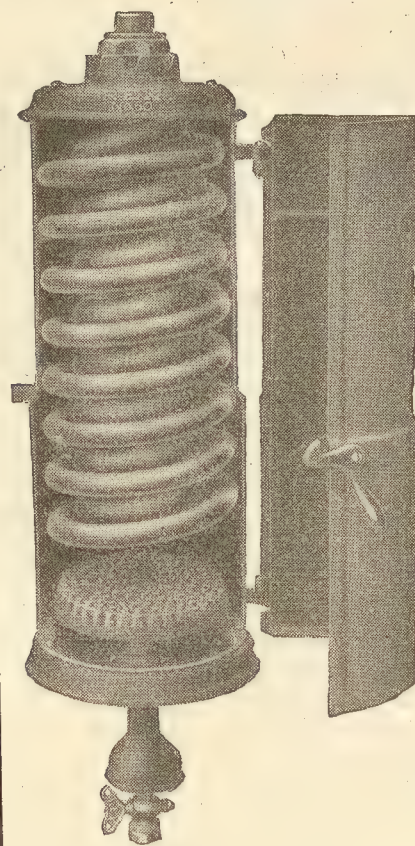
**Bridge**, Black Creek, Pa. Owner, Department of Roads and Bridges, Luzerne County Court House, Luzerne, Pa. Concrete and steel girded. Ready for bids.

**Memorial Bridge**, Harrisburg, Pa., \$1,200,000. Architect, A. W. Brunner, 101 Park avenue, New York City. Engineer, J. E. Greiner, Baltimore, Md. Owner, Department of Public Grounds and Buildings, care of Mr. Shreiner, superintendent, Capitol Building, Harrisburg, Pa. Concrete, 80x2000 feet. Plans completed.

**Hospital (add.)**, Wilkes-Barre, Pa., \$50,000. Architect, G. S. Welsh, Coal Exchange Building, Wilkes-Barre, Pa. Owner, Wyoming Valley Homeopathic Hospital, care of H. M. Breese, chairman, Wilkes-Barre, Pa. Brick and tile, 3 stories, 38x81 feet, fireproof roof, composition floors, steam heat, electric light, tile and marble work, rolled steel sash, roof ventilators. Plans in progress.

**Office Building**, Washington and Mulberry streets, Scranton, Pa., \$75,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Mr. Maloney, Maloney Iron Mfg. Co., Scranton, Pa. Fireproof terra cotta, 3 stories, 63x60 feet, slag roof, composition floors, steam heat, electric light, tile, marble and terrazzo work, hollow metal sash, hollow

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**Service Station**, Wilkes-Barre, Pa., \$5,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Maloney Oil Mfg. Co., Scranton, Pa. Brick, 1 story, 15x15 feet, asbestos shingle roof, concrete floors, electric light. Plans in progress.

**Public Garage**, South Washington street, Wilkes-Barre, Pa., \$13,000. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, J. Popky, on premises. Brick, steel, stone, 2 stories, 42x78 feet, slag roof, concrete floors, steam heat, electric light, hollow metal sash, hollow metal skylights. Architect ready for bids.

**Store Front**, Spruce street, Scranton, Pa. Architect, L. Reisman, Miller Building, Scranton, Pa. Owner, A. Newman, Spruce street, Scranton, Pa. Plate glass, brick work. Architect ready for bids.

**Store and Office (alt.)**, Fifth and Edgemont streets, Chester, Pa. Architect, C. Brazier, Crozer Building, Chester, Pa. Owner, Mr. Razell James, on premises. Brick, terra cotta and concrete. Too early for details. Owner will take sub-bids.

**Residences (2)**, Lawndale, Pa. Architects, Mackenzie & Wiley, Liberty Building, Philadelphia. Owner, William Garthly, 1004 North Sixth street, Philadelphia. Brick, 2½ stories, 16x52 feet, asbestos shingle roof, oak floors, hot water heating, electric lighting, tile work. Owner taking sub-bids.

**Residence**, North Willow Grove, Pa. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, Rudolph Bauerle, care of architect. Hollow tile and stucco, 2½ stories, 32x48 feet, shingle roof, hot water heating, electric lighting. Ready for bids in one week.

**High School and Parish House**, Pittston, Pa., \$120,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Rev. J. J. Corner, Roman Catholic Church,

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Pittston, Pa. Brick, fireproof, 3 stories, 42x160 feet and 64x120 feet, concrete foundations, slate and slag roof, wood floors and tile floors, high pressure heat, electric light, tile and marble work, hollow metal skylights, roof ventilators. Architect ready for bids due August 15th.

**Parochial School**, Pittston, Pa., \$125,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Roman Catholic Church, Pittston, Pa. Brick, fireproof, 2 stories and basement, 18 classrooms, concrete foundations, steam heat, electric light, gymnasium, swimming pool, auditorium. Owners ready for bids due August 15th.

**Bank**, 164 Market street, Nanticoke, Pa. Architect, A. L. Reilly, Bennett Building, Wilkes-Barre, Pa. Owner, Polish Deposit Bank of Nanticoke, M. O. Malanoski, president. Brick, stone front, 1 story, 25x100 feet, slag roof, tile floors, electric light, marble and terrazzo work, hollow metal skylights, metal window guards. Architect will take bids about August 12th.

**House**, Brookline, Delaware County, Pa. Architects, Custer & Gill, Third and Market streets, Camden, N. J. Owner, name withheld. Hollow tile, 1 story, 25x40 feet, asbestos shingle roof, hot water heat, electric light, tile work, hardwood floors. Architect will be ready for bids next week.

**Residence and Garage**, Sedgwick, Pa. Architects, Druckenmiller & Williams, 1527 Chestnut street, Philadelphia. Owner, I. Powell Thomas, 1328 Chestnut street, Philadelphia. Stone, 2½ stories, 32x64 feet, and 1 story, 25x27 feet, slate roof, oak floors, cement work, vapor heating, electric lighting, tile work. Architects taking bids due August 12th. Alfred James, Bala, Pa.; W. John Stevens, Inc., Wyncote, Pa.; A. L. Fretz & Sons, Heed Building; Thomas C. Trafford, 1613 Sansom street; E. J. Hedden, Finance Building, and A. S. Tourison, 7014 Boyer street, are figuring.

**Residence**, Merion, Pa., \$25,000. Architect, C. A. Ziegler, Bailey Building, Philadelphia. Owner, C. K. Wentz, Land Title Building, Philadelphia. Stone, 2½ stories, 30x45 feet and 16x18 feet, shingle roof, oak floors, stone foundations, electric lighting, tile and marble work, plumbing. Owner taking bid from A. L. Fretz & Son, Heed Building, due August 7th.

**Residence**, Glenside, Pa. Architect, Charles B. Keffer, care of owner. Owner, Davis P. Smith, Glenside, Pa. Stone and stucco, 2½ stories, 17x45 feet, asbestos shingle roof, yellow pine floors, stone foundations, hot water heating, electric lighting, tile work, iron work. Owner taking bids due August 9th. Albert Zellfelder, 151 South Broad street, is figuring.

**Residence**, Chester, Pa. Architects, Brown & Whiteside, 2158 Dupont Building, Wilmington, Del. Owner, Dr. J. P. Craig, 417 East Broad street, Chester, Pa. Hollow tile and stucco, 2½ stories, 25x38 feet, wing 10x20 feet, slate roof, oak floors, stone foundations, tile and marble work, iron work. Architects taking bids, due August 11th. H. E. Grau Co., 1707 Sansom street, Philadelphia; R. H. Scroggins, Chester, Pa.; Stewart-Wiley Co., Wilmington, Del., are figuring.

**Residence**, Radcliffe and Jefferson avenue, Bristol, Pa. Architects, Heacock & Hokanson, 905 Bailey Building, Philadelphia. Owner, Mrs. Amos B. Headley, Bristol, Pa. Brick, 2 stories, 23x41 feet, stone foundations, hot air

heat, electric light, pine floors, metal lath, iron work, mill work, plastering, hardware, painting and glazing. Architects taking bids, due August 14th. Wills-Ludwick Co., 1708 Sansom street; Agelo Di Renzo, Bristol, Pa.; Harry Watson, Fallsington, Pa., and C. Yardley Stradling, Oxford Valley, Pa., are figuring.

**School Building (alts. and add.)**, Hatboro, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, School Board of Hatboro, Hatboro, Pa. Brick, 2 stories, 35x57 feet, shingle roof, pine floors, metal lath, stone foundations (heat reserved) iron work, cut stone, mill work, plastering, painting, glazing. Owners taking bids, due August 11th at 8 P. M. Specht & Sperry, Heed Building; Wills-Ludwick Co., 1708 Sansom street; Fesmire ros., Glenside, Pa.; W. T. Bussinger, Johnsville, Pa.; E. D. Leber, Abington, Pa.; Harry Murphy, Willow Grove, Pa.; W. John Stevens, Wyncote, Pa.; J. E. Hauser, Glenside, Pa.; E. Allen Reeves, Abington, Pa.; F. L. Hoover & Son, 1023 Cherry street, and Forrest Corson, Hartsville, Pa., are figuring.

**Garage**, Bala, Pa. Architect, private plans. Owner, M. A. O'Neal, Bala, Pa. Stone and stucco, 1 story, 23x22 feet, red tile roof, cement floors, stone foundations, electric light. Conneen Const Co., 1737 Filbert street, Philadelphia, taking sub-bids.

**Residence (alts. and add.)**, Swarthmore, Pa. Architects, Pollock & Rust, 1802 Chestnut street, Philadelphia. Owner, Dr. B. A. Thomas, 116 South Nineteenth street, Philadelphia. Frame addition, 2 stories, 15x15 feet, shingle roof, repairs to tin roof, copper and sheet metal work, oak floors, vapor vacuum heat, electric light extension, tile and marble work, plumbing.

**High School**, Lewisburg, Pa., \$100,000. Architect, Verus T. Ritter, North American Building, Philadelphia. Owners, Lewisburg School District, care of Robert Thompson, president, Lewisburg, Pa. Architect selected. Sketches being drawn.

**Mill Building (alts. and add.)**, Cheltenham, Pa. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owners, Hoffman, De Witt & McDonough, Cheltenham, Pa. Brick, 1 story, 15x17 feet, slag roof, cement floors, electric light, rolled steel skylights, iron work (heat reserved), mill work, plumbing. Architects taking bids, due August 7th. Wm. Linker Co., 831 Cherry street; Specht & Sperry, Heed Building; Lam Building Co., 1001 Wood street, and Hogg Const. Co., Denckla Building, are figuring.

**Residence**, Melrose Park, Pa. Architect, H. V. Hartman, 130 East Fifteenth street, New York City. Owner, Walter Dannenbaum, Frankford, care of Natural Ammonia Co. Stone, 2½ stories, 46x53 feet, shingle roof, stone foundations, hot water heat, electric light, tile work, hardware. Owner taking bids, due August 12th. Specht & Sperry, Heed Building, Philadelphia, are figuring.

**Residence**, Bryn Mawr, Pa. Architects, Haas & Kleeman, 10 East Forty-third street, New York City. Owner, Mrs. Lillian Ryan, Bryn Mawr, Pa. H. G. Campion, Otis Building, Philadelphia, additional bidder.

**Residence and Garage**, Springfield Manor, Pa. Architect, Richard R. Neely, 1001 Pine street, Philadelphia. Owner, Albert Mosley, 1026 South Fifty-fifth street, Philadelphia. Frame, 1½ stories, 26x46 feet, stone foundations, shingle roof, pine and hardwood floors,

pipeless heater, tile work, electric lighting. Owner will be ready for bids in a few days.

## Pennsylvania Contracts Awarded

**Residence**, Jenkintown, Pa. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Howard T. Hallowell, Jenkintown, Pa. Hollow tile and stucco, 2½ stories, 19x41 feet, wings 8x10 feet and 14x23 feet, shingle roof, tile roof, stone foundations, hot water heating, electric lighting, tile work, yellow pine floors and oak floors, hollow tile, iron work. Contract awarded to Specht & Sperry, Heed Building, Philadelphia.

**School (High School)**, Bethlehem, Pa., \$900,000. Architect, Verus T. Ritter, North American Building, Philadelphia. Owner, Board of Education, Bethlehem, Pa. Brick, steel, reinforced concrete, granite, fireproof, 4 stories, 234x231 feet, concrete foundations, hollow tile, metal lath, tile, marble, terrazzo and slate work, hollow metal skylights, roof ventilators, metal doors, windows and trim, iron stairs, dampproofing, composition roof cement, wood block and hemlock floors, terrazzo, marble and rubber tile floors, iron work, blackboards (steam heat, electric lighting, plumbing, ventilating, etc., separate bids and reserved). Contract awarded to Cramp & Co., Denckla Building, Philadelphia.

**Hicks Hall**, Swarthmore College, Swarthmore, Pa. Architect, Walter T. Karcher, 34 South Seventeenth street, Philadelphia. Owner, Swarthmore College, Swarthmore, Pa. Stone, brick and terra cotta, 3 stories, 52x124 feet, slag roof, cement floors, stone foundations, steam heat, electric light, metal lath. Contract awarded to Barclay White & Co., 1713 Sansom street, Philadelphia.

**Residences (2)**, Penn road near Aubrey avenue, and Kent road and Mansion avenue, Wynnewood, Pa., \$34,000. Architects, McIlvaine & Roberts, Otis Building, Philadelphia. Owner, Robert Toland, 1326 Walnut street, Philadelphia. Hollow tile and plaster, 2½ stories, 21x55 feet and 18x21 feet, shingle roof, oak floors, stone foundations, vapor heat, electric light, tile work. Contract awarded to Herbert G. Campion, Otis Building, Philadelphia.

**Residence**, Rydal, Pa. Architect, C. L. Borie, 112 South Fifteenth street, Philadelphia. Owner, Mrs. C. L. Borie, care of architect. Frame or stone, 2 stories, 24x30 feet, wing 15x20 feet, tin roof, pine floors, electric light, warm air heat, stone foundations. Contract awarded to F. W. Carman, Jenkintown, Pa.

**Apartment House**, Overbrook, Pa., \$500,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, H. W. Wood, Morris Estate, Overbrook, Philadelphia. Brick, steel and concrete, 4 stories, 48x120 feet, wings 48x168 feet and 48x169 feet, slate roof, pine and oak floors, stone foundations, steam heat, electric light, tile and marble work, metal lath. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

**Apartment Building**, Chester pike, Darby, Pa. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owner, John W. Harri-gan, Darby, Pa. Brick, 2 stories, 36x70 feet, slag roof, pine floors, stone foundations, hot

We have pebbles all sizes. Cost less than what you are using. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



water heat, electric light, tile work. Contract awarded to Alfar Const. Co., Darby, Pa.

**Club House**, 511 Welsh street, Chester, Pa., \$200,000. Architect, C. Brazer, Crozer Building, Chester, Pa. Owner, Chester Club, care of C. F. Wallison, Chester, Pa. Brick, 4 stories, marble front, (first story) 67x111 feet, tile roof, hardwood floors, steam heat, electric light, slag roof, pine and maple floors, metal lath, stone foundations, metal sash and skylights, iron work, tile and marble work, terra cotta, mezzanine floor. Contract awarded to Chester Const. Co., Otis Building, Philadelphia.

**Publishing Building**, 418 Market street, Chester, Pa., \$40,000. Architect, C. Brazer, Crozer Building, Chester, Pa. Owner, Chester Times, Inc., on premises. Marble, terra cotta trimmings, 3 stories, tile floors, tile and marble work, general alterations and additions. Contract awarded to William Provost, 1216 Walnut street, Chester, Pa.

**Theatre Building**, Ninth and Spring streets, Reading, Pa. Architect, W. H. Lee, 32 South Seventeenth street, Philadelphia. Owner, Carr & Schad, Colonial Theatre Building, Reading, Pa. Brick and steel, 1 story, 113x200 feet, slag roof, concrete foundations, steam heat, electric light, tile and marble work, fire doors, concrete floors. Contract awarded to Charles H. Schlegel, Reading, Pa.

**Garage**, Wyncote, Pa. Architects, Dreher, Churchman, Paul & Ford, 1424 Walnut street. Owner, Daniel Wentz, Wyncote, Pa. Stone and frame, 1½ stories, slate roof, cement floors, stone foundations, steam heat, electric lighting. Contract awarded to F. T. Mercer, 1706 Delancey street, Philadelphia.

**Store**, Washington avenue, Scranton, Pa., \$140,000. Architect, L. Reiseman, Miller Building, Scranton, Pa. Owner, New Wall Paper Co., Scranton, Pa. Brick and stucco, fireproof, 4 stories, 50x160 feet, concrete foundations, Barrett roof, cement floors, steam heat, electric light, tile, marble and terrazzo work, hollow metal sash, (2) elevators. Contract awarded to E. A. Fuller, Scranton, Pa.

**Store Building**, Lackawanna and Washington avenues, Scranton. Architect, L. Reiseman, Miller Building, Scranton, Pa. Owner, New Wall Paper Co., 512 Lackawanna avenue, Scranton, Pa. Brick, 3 stories, 34x100 feet, slag roof, wood floors, electric light, fire repairs. Contract awarded to W. S. Watson, Scranton, Pa.

**Garage**, R and South Franklin street, Wilkes-Barre, Pa. Architect, Ralph Herr, Simon Long Building, Wilkes-Barre, Pa. Owner, I. S. Long, South Franklin street, Wilkes-Barre, Pa. Brick, 1 story, 30x30 feet, cement floors, hot water heat, electric light. Contract awarded to O. J. Breshant & Son, Wilkes-Barre, Pa.

**Schools (5) (alts.)**, Swoyerville, Pa. Architect, Ralph Herr, Simon Long Building, Wilkes-Barre, Pa. Owner, Swoyerville School District, Wilkes-Barre, Pa. General interior alterations. Contract awarded to William B. Richards, Wilkes-Barre, Pa.

**School**, Borough of Miners Mills, Pa. Architect, Austin L. Reilly, Bennett Building, Wilkes-Barre, Pa. Owner, Miners Mills School District, Miners Mills, Pa. Brick, 2 stories, 106 feet 8 inches x 73 feet 10 inches, asphalt gravel roof, pine and concrete floors, electric light, marble work, rolled steel skylights, cement safety treads, roof ventilators. Contract awarded to F. C. Mellan, 23 Sterling avenue, Wilkes-Barre, Pa.

**Residence**, Beechwood Park, Pa. Architect,

Richard R. Neely, 1001 Pine street, Philadelphia. Owner, Mrs. Caroline King, Beechwood Park, Pa. Frame and stucco, 2½ stories, 32x42 feet, shingle roof, pine floors, hot water heat, electric lighting. Contract awarded to D. Ridgeway Evans, Beechwood Park, Pa.

**Stores (4)**, Jenkintown, Pa. Architect, Albert Schenck, Real Estate Trust Building, Philadelphia. Owner, Clarence J. Shilcock, Broad and Westmoreland streets. Brick, 1 story, 18x60 feet, slag roof, pine floors, stone foundations, pipeless heaters, electric lighting. Contract awarded to Henry P. Schneider, 3713 Old York Road, Philadelphia.

## New Jersey Construction News

**Dirigible Hangar**, Spec. 4001, Lakehurst, N. J. Architect, private plans. Owners, United States Government, Bureau of Yards and Docks, Washington, D. C. Steel and asbestos, corrugated siding, 2 stories, 354x804 feet, built-up and gypsum roof, concrete and wood block floors, hollow tile, metal lath, elevators, roof ventilators, concrete foundations, steam heat, electric light, rolled steel sash, skylights and doors, metal stairs, iron work, painting, plastering, glazing, plumbing, kitchen equipment. Owners taking bids due August 6th. Warren-Moore Co., Colonial Trust Building, and Hughes-Foulkrod Co., Commonwealth Building, are figuring.

**Office Building**, Third and Arch streets, Camden, N. J., \$50,000. Architect, Joshua C. Jefferies, 1001 Chestnut street, Philadelphia. Owners, Courier Co., Third and Federal streets, Camden, N. J. Steel and concrete, 2 stories, 40x64 feet, concrete and slag roof, concrete floors, hot water heat, electric light, vault lights, cut stone. Owners taking revised bids.

**Residences (2)**, Atlantic City, N. J. Architects, Druckenmiller & Williams, 1527 Chestnut street, Philadelphia. Owner, name withheld. Hollow tile and stucco, 2½ stories, 30x60 feet, tile roof, oak floors, hot water heat, electric lighting, tile work, plumbing. Plans in progress.

**School House**, West Deptford Township, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, School District, West Deptford Township, N. J. Cement block, 1 story, slag roof, pine floors. Plans in progress.

**Residence**, Woodbury, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, I. D. Sayre, National Park, N. J. Brick, 2½ stories, 35x55 feet, shingle roof, oak floors, hot air heat, electric light. Plans in progress.

**House (alt.)**, Merchantville, N. J. Architects, Moffett & Truscott, 30 North Third street, Camden, N. J. Owner, name withheld. Extensive interior and exterior alterations. Plans in progress.

**House**, Haddonfield, N. J. Architects, Custer & Gill, Third and Market streets, Camden, N. J. Owner, name withheld. Hollow tile, 2 stories, 22x28 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

**Factory**, Camden, N. J. Architect, private plans. Owners, Eavenson & Levering, 217 Atlantic street, Camden, N. J. Brick and steel, 3 stories, 80x132 feet, slag roof, maple floors, stone foundations, rolled steel sash, roof ventilators, iron work (heating and light re-

served). George Kessler Cont. Co., Drexel Building, taking sub-bids, due as soon as possible.

**Residence**, Elizabeth, N. J. Architect, P. H. Wood, Glenside, Pa. Owner, J. L. Williams, 874 Westfield avenue, Elizabeth, N. J. Stucco, 2½ stories, 30x43 feet, shingle roof, oak and pine floors, hollow tile, hot water heat, electric light, tile work, stone foundations, hardware, plumbing, mill work, plastering, painting and glazing. Owner taking bids, due August 9th. A. Zellfelder, 151 South Broad street, is figuring.

**Church (alts. and add.)**, Perth Amboy, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owners, St. Peter's Church, Perth Amboy, N. J. Brick, cut stone, one-story addition, 19x22 feet, slate roof, wood floors, steam heat, electric light. Plans in progress.

**Community Garage**, Trenton, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owner, E. F. Allfather, care of architect. Brick, cement block and hollow tile, 1 story, 54x64 feet, concrete foundations, slag roof, cement floors, hollow tile, electric light. Plans in progress.

**Houses (20)**, West State street, Trenton, N. J. Architect, Wm. Slack, St. Regis Theatre Building, Trenton, N. J. Owners, Perrine Terrace Land Co., Trenton, N. J. Hollow tile, 2 stories, 16x46 feet, slate roof, pine floors, electric light, tile work. Being built by architect.

**Dwelling**, West State street, Trenton, N. J., \$5,000. Architect, private plans. Owner, Wm. Hicks, 839 Beatty street, Trenton, N. J. Frame and stucco, 2½ stories, 26x39 feet, stone foundations, slate roof, pine floors. Owner will build.

**Bungalows (12)**, Broad Street Park, Trenton, N. J. Architect, Walter Hankin, 239 South Warren street, Trenton, N. J. Owner, I. J. Kempers, Clinton street, Trenton, N. J. Frame, 1 story, 27x35 feet, hot air heat, electric light, pine floors. Owner will build.

## New Jersey Contracts Awarded

**Factory (extension)**, Freehold, N. J., \$20,000. Architects, Dodge & Morrison, 135 Front street, New York City. Owner, A. & M. Karaghousian, Freehold, N. J. Brick, third floor add., 60x100 feet, slag roof, maple floors (steam heat, electric light reserved), roof ventilators, stone foundations, rolled steel sash, fire tower, iron work. Contract awarded to William Linker Co., 831 Cherry street, Philadelphia.

**Houses (Twin)**, Maple avenue, Trenton, N. J. Architect, Walter Hankin, 239 South Warren street, Trenton, N. J. Owner, Mr. Harris, Hermitage avenue, Trenton, N. J. Brick, 2½ stories, 32x50 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to Hamilton Const. Co., Ltd., Trenton, N. J.

**Houses (2)**, Maple avenue, Trenton, N. J., \$8,500. Architect, private plans. Owner, Edward S. Jefferes, 152 North Hermitage avenue, Trenton, N. J. Frame and stucco, 2½ stories, 16x52 feet, stone foundation, slate roof, pine floors, electric light. Contract awarded to Hamilton Const. Co., Ltd., Trenton, N. J.



## Delaware Construction News

**Building (add.),** Naeman, Del. Architect, private plans. Owner, National Aniline & Chemical Co., 21 Burling Slip, New York. Brick, steel, concrete, 3 stories, 74x25 feet, concrete foundations, cement and tile roof, concrete floors, rolled steel sash. Owners taking bids due as soon as possible. E. J. Kreitzburg, 1345 Arch street, Philadelphia, is figuring.

**House (add. and alt.) to Apartment,** 1505 Penn avenue, Wilmington, Del. Architect, E. L. Rice, 815 Market street, Wilmington, Del. Owner, Mrs. Loebers, on premises. Brick, 2 stories, 14x16 feet, 6x15 feet, tin roof, hardwood and pine floors. Architect taking bids.

**Garage,** Eleventh and Church streets, Wilmington, Del. Architect, J. D. Thompson, Ford Building, Wilmington, Del. Owner, Hamilton Coal Co., 1020 Church street, Wilmington, Del. Brick, 2 stories, 28x152 feet, slag roof, cement and maple floors (plumbing, heating and electric work reserved). Architect has received bids.

**Foundry,** 320 Eighth avenue, Wilmington, Del. Architect, private plans. Owner, J. F. Henry, 820 Eighth avenue, Wilmington, Del. Stone and tile, 1 story, 40x80 feet, stone foundations, rubberoid roof. Owner will build.

## Delaware Contracts Awarded

**Dwelling,** Penn and Woodalwn avenues, Wilmington, Del., \$8,200. Architect, private plans. Owner, Eugene Starrett, Penn and Bayard avenues, Wilmington, Del. Brick, 2½ stories, 26x34 feet, stone foundations, slate roof, hot water heat, hardwood floors, tile work. Contract awarded to H. S. Lynch, 715 Tatnall street, Wilmington, Del.

**Dwelling (alt.),** 822 Harrison street, Wilmington, Del., \$3,000. Architect, private plans. Owner, Charles M. Banks, on premises. Brick, general interior alterations. Contract awarded to William D. Haddock, Wilmington, Del.

**Residence,** Wilmington, Del. Architect, William Woodburs Potter, Real Estate Trust Building, Philadelphia. Owner, Allen J. Henry, Wawaset Park, Wilmington, Del. Hollow tile and plaster, 2½ stories, 27x36 feet, shingle roof, oak floors, stone foundations, hot air heat, electric lighting, tile work. Contract awarded to Charles C. Pace, Merion, Pa.

## Miscellaneous Construction News

**House,** Menands, Albany, N. Y., \$12,000. Associate architects, Moffett & Truscott & Von Guisbond, 30 North Third street, Camden, N. J., and Albasy, N. Y. Owner, name withheld. Frame (Colonial), 2½ stories, 30x40 feet, shingle roof, hardwood floors, warm air heat, electric light, tile work. Plans in progress.

**Loft Building,** Twenty-first and Broadway, New York City. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, name withheld. Steel and concrete, 10 stories, reinforced concrete roof and floors, rolled steel sash and skylights. Architects taking sub-bids due August 9th at New York City office.

**Hotel,** Miami, Florida. Architects, Price & McLanahan, 1418 Walnut street, Philadelphia. Owner, Hotel Flamingo Co., Carl G. Fisher and James A. Allison, Indianapolis Ind. Brick,

steel and terra cotta, 15 stories, 208x168 feet, (2) 6 story wings, 171x116 feet and 82x144 feet, canvas and tile roof, cork and composition floors, hollow tile, metal lath, elevators, roof ventilators, waterproofing, concrete foundations, tile and marble work, kalamein doors, iron work (heating, lighting, plumbing, kitchen equipment and refrigeration reserved). Architects taking bids due August 15th. J. G. White Eng. Co., 43 Exchange Place, New York City; Frel T. Ley Co., Finance Building; Warren-Moore Co., Colonial Trust Building; Irwin & Leighton, 126 North Twelfth street; Cramp & Co., Denekla Building, Philadelphia; George A. Fuller Co., Washington, D. C.; R. C. Cummins Co., Cleveland, O.; Bedford Stone Const. Co., Bedford, Ind.; Walbridge-Aldinger Co., 2356 Penobscot Building, Chicago, Ill.; Mellon-Stuart Co., Pittsburgh, Pa., and Selden Breck Const. Co., St. Louis, Mo., are figuring.

**Blackhawk Hotel,** 173-181 West Madison street Chicago, Ill. Architects, Holabird & Roche, 1400 Monroe Building, Chicago, Ill. Owner, Blackhawk Hotel Co., on premises. Brick, terra cotta, cut stone and steel, 19 stories, 100x84 feet, wing 24x99 feet, built-up roof, fireproof floors, metal lath, elevators, safety treads, waterproofing, concrete foundation, steam heat, electric light, tile and marble work, steel and hollow metal doors, fire escapes, iron work. Architects taking bids due August 14th. Warren-Moore Co., Colonial Trust Building, Philadelphia, are figuring.

**Bank Building,** Chestertown, Md. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Third National Bank, Chestertown, Md. Brick, stone and steel, 1 story, 38x70 feet, slag roof, maple floors, stone foundations, steam heat, electric light, tile, marble and terrazzo work, metal lath, steel doors, waterproofing, iron work, cut stone, screens, vaults, mill work, painting, glazing, hardware. Architects taking sub-bids, due August 7th.

## Proposals

### INVITATIONS FOR PROPOSALS.

**TREASURY DEPARTMENT,** Supervising Architect's Office, Washington, D. C., July 28, 1919.—Sealed proposals will be opened in this office at 3 P. M., August 25, 1919, for furnishing the labor required in the construction complete, with materials that will be furnished by the Government of the United States Post Office Building at Mystic, Conn. Drawings and specifications may be obtained from the custodian of the site at Mystic, Conn., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT,** Supervising Architect's Office, Washington, D. C., July 28, 1919.—Sealed proposals will be opened in this office at 3 P. M. August 25, 1919, for furnishing materials for the construction of the United States Post Office, Mystic, Conn., including materials for concrete, reinforced concrete, stone, granite, brick, structural terra cotta, structural steel, miscellaneous iron and steel work, composition roofing, slate roofing, sheet metal work, skylights, plastering, interior marble, sanitary slate, lumber, millwork, painting, glazing, hardware, plumbing, heating, electric work, etc., in accordance with drawings, specifications and bills of quantities attached thereto, copies of which may be obtained from the custodian at Mystic, Conn., or at this office, in the discretion of the Super-

vising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT,** Supervising Architect's Office, Washington, D. C., July 29, 1919. Sealed Proposals will be opened in this office at 3 P. M., August 19, 1919, for water supply connections at the United States Marine Hospital at New York, N. Y. (Stapleton), in accordance with specifications and drawings, copies of which may be had at this office or at the office of the Supervising Chief Engineer, Frank A. Lang, 731 Custom House, New York, N. Y., in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT,** Supervising Architect's Office, Washington, D. C., July 28, 1919. Sealed Proposals will be opened in this office at 3 P. M., September 10, 1919, for furnishing the labor required in the construction complete, with materials that will be furnished by the Government, of the United States Post Office at Douglas, Ga. Drawings and specifications may be obtained after August 13, 1919, from the Custodian of the site at Douglas, Ga., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

### SILICA SAND FOR BUILDING PURPOSES

The Sidley Silica Sand Company, which owns a large property at Sidley Station, Chester County, Pa., has started operating its plant and is now ready to deliver silica sand in quantities to building operations. The property comprises twenty-three acres of high grade silica rock. The chemical analysis of the sand from this rock shows that it runs well over ninety-eight per cent. pure silica.

The present capacity of the plant is two hundred and fifty tons a day. It is the intention of the company to produce silica sand and rock in various sizes for the building trades, the iron and steel industry, fire brick, abrasive wheel, soap and scouring powder industries, and for any other purposes for which a sand of this description can be used.

The Company maintains its office at 611 Widener Building in the City of Philadelphia, Pennsylvania, and will send samples to any persons interested in testing this sand for their particular uses. Quotations will be submitted on request.

### RUSSIAN LUMBER SITUATION

Last summer the sawmills of Archangel and the White Sea district in Russia were able to produce only about one-fourth of the timber sawn in 1913, and it is extremely doubtful whether the output in 1919 will amount to one-eighth, states a recent report of the U. S. Trade Commissioner at Archangel.

The felling, floating and sawing of lumber are the principal industries of this region. The decrease in production during the war and revolution is directly traceable to labor and kindred troubles, shortage of tonnage and diminished demand from Europe. In spite of the tremendous need of lumber in Western Europe, sales are very difficult, partly because of the Russian insistence upon a low rate of exchange, the present obligatory rate of foreign exchange not representing the true value of the ruble.



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Tapestry, Face, Common Paving)

O. W. Ketcham.....Builders' Exchange, Phila.  
John S. E. Pardee & Co.....Heed Bldg., Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ransstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.  
Samuel H. French & Co.....4th and York sts., Phila.  
F. C. Lotz's Sons, American and Dauphin sts.,

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.  
Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

F. C. Lotz's Sons, American and Dauphin sts.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.  
Petronite Mfg. Co.....531 N. 9th st., Phila.  
Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.

Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Contractors' Equipment.

Service Equipment Co.....Bourse Bldg., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

General Fireproofing Co. 512 Bulletin Bldg., Phila.  
Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.

McCalla Co., The Harold....531 N. 4th st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.

Truseon Steel Co.....Commonwealth Bldg., Phila.

## Floor Plates.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.  
Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co. 1332 Arch st., Phila.

## Gas Water Heaters.

Apeldorn & Beatty Co.....155 N. 9th st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.

Fleck Bros. Co.....44 N. 5th st., Phila.

Keystone Supply and Mfg. Co., 927 N. 9th st.

Richardson and Boynton Co. 1332 Arch st., Phila.

## Hollow Tile.

O. W. Ketcham.....Builders' Exchange, Phila.

## Insurance.

Harris J. Latta.....Pennsylvania Bldg., Phila.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.

Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Iron and Steel Bars and Plates.

Alan Wood Iron & Steel Co. Widener Bldg., Phila.

McCalla Co., The Harold....531 N. 4th st., Phila.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Levels.

Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

## Light Iron Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lumber.

Jas. M. Irwin & Co.....973 Beach st., Phila.

Janney Lumber Co. ....1147 Beach st., Phila.

Wm. Lloyd Co.....29th and Ridge ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.

Italian Marble Mosaic Co....433 Spruce st., Phila.

Roman-Cianci Co., Inc....3428 Warren st., Phila.

## Metal Lath.

Audubon Wire Cloth Co., Inc.....Audubon, N. J.

General Fireproofing Co. 512 Bulletin Bldg., Phila.

McCalla Co., The Harold....531 N. 4th st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.

Truseon Steel Co.....Commonwealth Bldg., Phila.

## Metal Lath Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Metal Tiles and Shingles.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Meters.

Philadelphia Meter Co.,  
Real Estate Trust Bldg., Phila.

## Mill Supplies.

The Fairbanks Co.....7th and Arch sts., Phila.

## Paints and Varnishes.

The Barrett Company, New York and Phila.

French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

## Paving Bricks.

O. W. Ketcham.....Builders' Exchange, Phila.

John S. E. Pardee & Co.....Heed Bldg., Phila.

## Pipe Fittings and Valves.

The Fairbanks Co.....7th and Arch sts., Phila.

## Plumbing Fixtures.

Fleck Bros. Co.....44 N. 5th st., Phila.

Keystone Supply and Mfg. Co., 927 N. 9th st.,

Joseph Vogel Co.....Wilmington, Del.

## Preservatives (Wood and Concrete).

The Barrett Co.....New York City and Phila.

## Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.

Henry M. Miller.....46-48-50 N. 2d st., Phila.

Richardson and Boynton Co. 1332 Arch st., Phila.

## Refrigerators.

Borden Stove Co.....1311-13 Arch st., Phila.

Henry M. Miller.....46-48-50 N. 2d st., Phila.

## Reinforcing Bars.

Morris Wheeler & Co. 30th and Locust sts., Phila.

Truseon Steel Co.....Commonwealth Bldg., Phila.

## Roofing.

The Barrett Co.....New York City and Phila.

## Roofing Tile.

O. W. Ketcham.....Builders' Exchange, Phila.

William Moore Co.....1506 Sansom st., Phila.

## Roofing Tin.

Merchant & Evans Co.,  
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## Roofing Slate.

William Moore Co.....1506 Sansom st., Phila.

## Safety Guards.

Audubon Wire Cloth Co., Inc.....Audubon, N. J.

Kensington Metal Co.....1612 N. 2nd st., Phila.

## Sand.

Sidney Silica Sand Co.. 611 Widener Bldg., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

## Screens.

Thos. J. Malia.....141 Wentz st., Phila.

## Sewer Pipe.

Wm. H. Clausen....27th and Diamond sts., Phila.

## Steam Specialties.

Apeldorn & Beatty Co.....155 N. 9th st., Phila.

## Slate.

William Moore Co.....1506 Sansom st., Phila.

## Soundings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co.....Bourse Bldg., Phila.

John B. Rulon.....1355 Colwyn st., Phila.

## Structural Slate.

William Moore Co.....1506 Sansom st., Phila.

## Structural Steel.

McCalla Co., The Harold....531 N. 4th st., Phila.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Surety Bonds.

Harris J. Latta.....Pennsylvania Bldg., Phila.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.

Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co.....Bourse Bldg., Phila.

John B. Rulon.....1355 Colwyn st., Phila.

## Tile and Terrazzo Work.

Belfi Bros. & Co.....1923 Market st., Phila.

French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

Italian Marble Mosaic Co....433 Spruce st., Phila.

Petronite Mfg. Co.....531 N. 9th st., Phila.

Roman Mosaic & Tile Co....435 Green st., Phila.

William Moore Co.....1506 Sansom st., Phila.

## Tiling.

William Moore Co.....1506 Sansom st., Phila.

## Transits.

Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

## Ventilators.

Merchant & Evans Co., 2035 Washington ave.

## Water Heaters.

Garfield S. Davis.....34 S. 17th st., Phila.

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N. W. Cor. 12th and Spruce sts., Phila.

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## Wheelbarrows.

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## Wire Work.

Audubon Wire Cloth Co., Inc.....Audubon, N. J.

Kensington Metal Co.....1612 N. 2nd st., Phila.



1792

FOUNDED 1792

1919



## Insurance Company of NORTH AMERICA PHILADELPHIA

### ASSETS

|                                      |                 |
|--------------------------------------|-----------------|
| Bonds and Stocks.....                | \$24,280,745.19 |
| Cash in Banks.....                   | 2,395,335.33    |
| Premiums in course of transmission.. | 3,203,681.96    |
| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

### LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

Total Liabilities ..... \$30,801,413.40

Surplus to Policyholders..... \$ 12,922,516.93  
Losses paid since organization 203,147,689.78

### The Oldest American Stock Insurance Company

Fire Insurance  
Tornado  
Sprinkler  
Explosion  
Inland Transit  
Salesman's Floater

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Builder's Risk  
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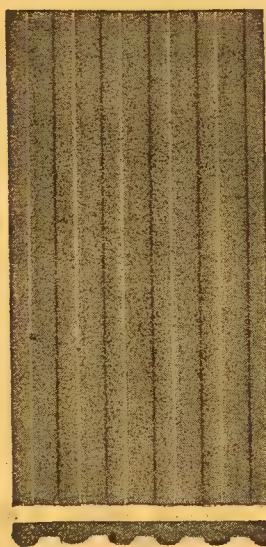
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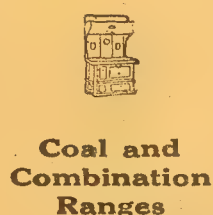


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VALUE is beneath the name plate.

Since 1878 right here in Philadelphia, we have specialized in supplying  
dependable and up-to-date heating and cooking appliances.

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Large and complete stocks in our warehouse insure speedy service.



BORDEN STOVE CO.

1311-1313 Arch Street

PHILADELPHIA



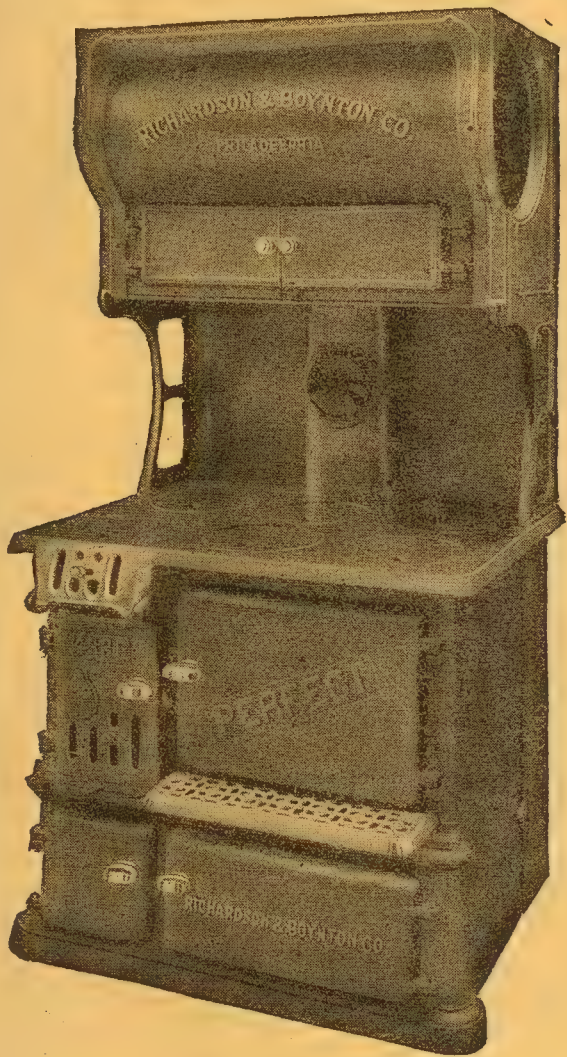
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 33  
August 13, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

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Order is Received**

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**"MERCHANT'S OLD METHOD"  
ROOFING TIN**



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A better roofing than "Merchant's Old Method" Roofing Tin cannot be obtained. It's base of "COPMETL" Copper Bearing Open Hearth Steel - is pliable and rust-resisting. Every sheet is evenly and heavily coated by our own superior process.

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Fifty years' experience is at your service when you build, if you see that the lumber comes from LLOYD.

**WILLIAM M. LLOYD COMPANY**

Established 1868

29th and Ridge Avenue

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*Belfi Bros. & Co.*

MANUFACTURERS OF  
ART MARBLE MOSAICS  
TERRAZZO, CERAMICS, &C.

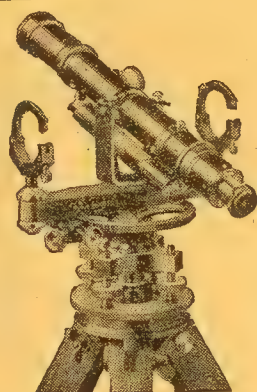
INTERIOR MARBLE WORK  
TILES MANTLES  
FIRE PLACE FURNISHINGS



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1923 MARKET ST.  
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**Why Waste Valuable Time Levelling up Your Work?**

Insure the accuracy of your lines, grades, levels and angles by using a

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Our latest Model No. 55 possesses time-saving features worthy of your investigation. In these days when time is money, it will pay big dividends on its cost.

Call at our Factory for a demonstration, or send for illustrated Pamphlet G.

We  
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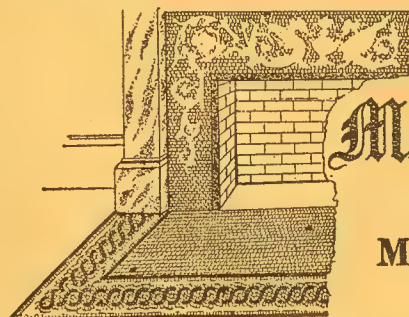
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For Sale  
or Rent



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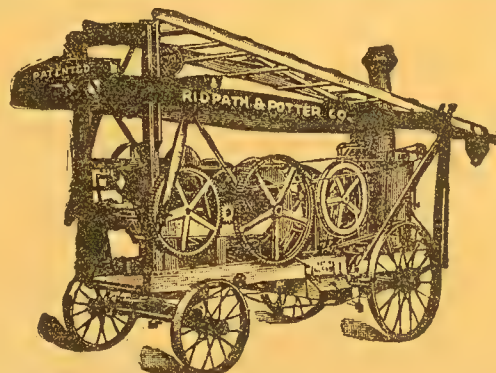
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ern Pennsylvania,  
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sey and Delaware.**



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**Building News  
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Perry Building, Philadelphia

Bell Phone, Spruce 1611-12  
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and Dies

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## PUBLIC PROTECTION

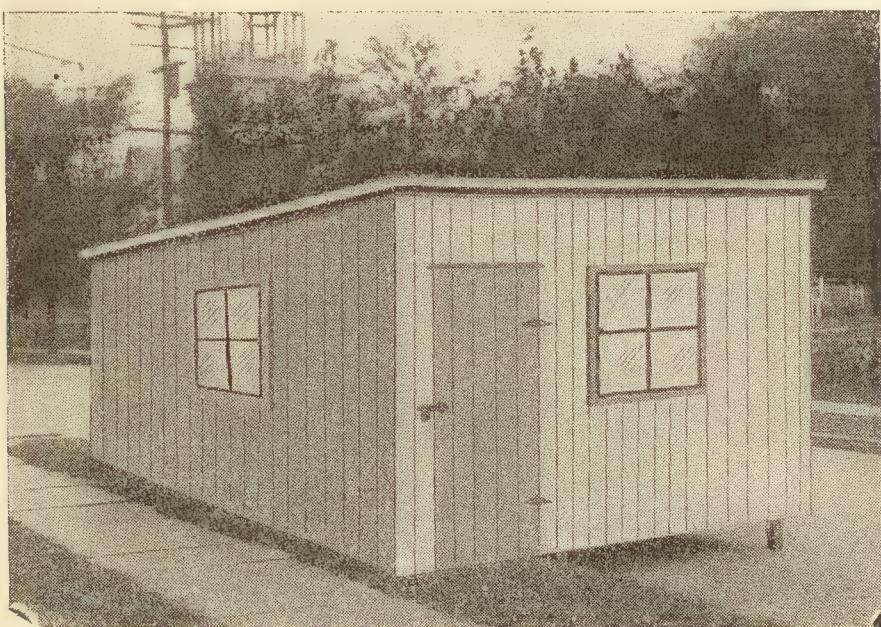
demands adequate fireproofing. We are specialists in metal lath construction and have facilities to assist in planning fireproof structures that will meet the public's demand for protection and the builder's approval for economy.

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| MODELS | SIZE        | HEIGHT      | EQUIPMENT                 | PRICE   |
|--------|-------------|-------------|---------------------------|---------|
| 4      | 6 x 4 ft.   | 6 ft.       | 1 door, 1 single window   | \$32.00 |
| 6      | 6 x 6 ft.   | 6 ft.       | 1 door, 1 single window   | 37.50   |
| 8      | 6 x 8 ft.   | 6 ft.       | 1 door, 1 single window   | 44.00   |
| 9      | 12 x 10 ft. | 7 ft. 9 in. | 2 doors, 1 double window  | 93.00   |
| 10     | 8 x 16 ft.  | 7 ft. 9 in. | 2 doors, 2 double windows | 91.00   |
| 12     | 12 x 20 ft. | 7 ft. 9 in. | 2 doors, 2 double windows | 160.00  |
| 14     | 14 x 28 ft. | 7 ft. 9 in. | 2 doors, 4 double windows | 220.00  |
| 16     | 8 x 10 ft.  | 8 ft.       | 1 door, 1 single window   | 62.00   |
| 18     | 10 x 14 ft. | 8 ft.       | 1 door, 2 double windows  | 100.00  |
| 20     | 12 x 16 ft. | 8 ft.       | 1 door, 2 double windows  | 126.00  |
| 22     | 12 x 18 ft. | 8 ft.       | 1 door, 2 double windows  | 143.00  |

### Service Equipment Co. Bourse Bldg.

Bell Phone,  
Lombard 490

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Plain and Fabricated  
For All Purposes

### MONTGOMERY IRON & STEEL CO.

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Crown Furnaces and Globe Ranges  
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Will make your daily bath quick, sanitary and invigorating. Stop bathing in the tub—getting out of water filled with impurities. Use the Kenney Shower and the last drop will be as clean as the first.

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The water hugs the body. Will not splash outside of tub. No curtain to keep clean. Fits any bath tub. Anyone can attach it.

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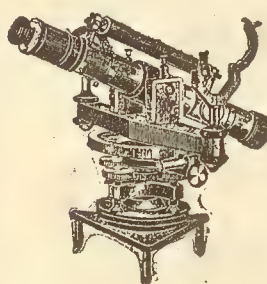
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A very reliable instrument for Architects and Contractors.

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## WHY IS WOODOLEUM FLOORING THE BEST

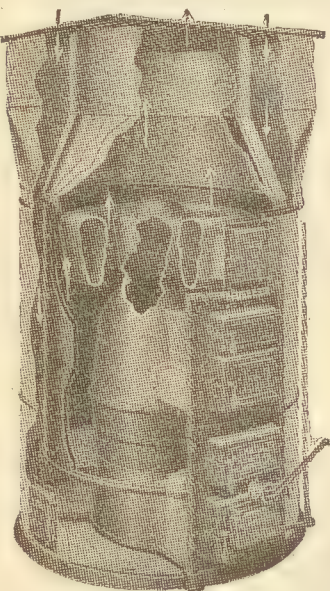
*Because* the Woodoleum Manufacturing Company is the pioneer in this line of floor covering.

*Because* we use only the best materials, and *because* our guarantee is absolute and unqualified.

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## MUELLER Pipeless Furnace

Scientifically and correctly applies the laws of warm and cool air circulation for heating entire house thru one register.

Burns any kind of fuel—big fuel saver.

Low cost and easily installed.

**Keystone Supply & Mfg. Co.**

Fine Plumbing Goods and Heating Materials.  
Pipe, Valves and Fittings.

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PEERLESS MORTAR COLORS

*Brightest, Strongest, Unfading*

Manufacturers also of the Famous

BUCK WHITE LEAD—A Combination white paint.

CROWN PAINTS—Ready Mixed, semi-liquid, paste.

COLORS—in oil Japan, distemper, dry.

VARNISHES—Elastic, durable, lustrous.

WE SET AND SELL

TILES, MANTLES, FIREPLACE FIXTURES

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Electrical Contracting in all its Branches

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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV

Number 33

PHILADELPHIA

August 13, 1919

## BUILDERS' GUIDE

OFFICES, PERRY BUILDING (Suite 824-825-826)  
Sixteenth and Chestnut Sts., Philadelphia, Pa.

PUBLISHED WEEKLY  
BY

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PERRY BUILDING, PHILADELPHIA

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## As The Editor Sees It



WE have received a very interesting letter from Mr. D. Knickerbacker Boyd, F. A. I. A., stating very clearly many reasons why architects are qualified to serve in city governments and so forceful are the facts related by Mr. Boyd that we print in full his communication, and strongly indorse his sentiment:

"All the Philadelphia papers," says Mr. Boyd, "contained the announcement last week that George W. Coles, Chairman of the Subcommittee comprising representatives of various independent organizations had selected the New Committee of 100 to name the independent candidates for Mayor and the new small council at the coming election.

"That is very gratifying to the patriotic citizens of Philadelphia who, without partisanship or favor, desire the City's administrators to be severed from politics and selected for eminent qualifications to render practical and unselfish service to the community.

"No exception can be taken to the personnel of the Committee as announced, nor to the statement that 'The Committee is made up of representative men and women from every section of the city. The suggestions of names came from many different sources and every suggestion was given careful consideration. Every man and woman on the Committee was selected because it was believed that he or she reflects the real sentiment of his or her district, and we believe that the personnel is of itself sufficient

guarantee of the patriotism and integrity with which the Committee now will proceed to its business of studying and ultimately recommending available candidates for the offices to be filled this fall.'

"To one accustomed to looking for the names of architects on the lists of committees appointed from time to time for various civic, entertainment, reception or other purposes, of which this is but one, the writer is struck now, as always before, by the almost entire absence of members of this profession—men who have made the city's name in the architectural field of the country synonymous with service and the performance of civic duty.

"The excellent list, as printed, contains the names of seven physicians, seventeen attorneys, four ministers, thirty-nine manufacturers and merchants, seven bankers, three publishers, four labor union representatives, one educator, one realtor, one chemist, three 'retired' two insurance men, three engineers, seven women and one architect.

Do the people of Philadelphia or its choosers of various important committees need to be reminded of what the members of the Philadelphia Chapter of the American Institute of Architects and individual members of the profession have been so energetically and unselfishly doing to advance the City's interest for these many years past?

"I refer now to that part of the architect's service mentioned in the By-Laws of the American Institute as that of ren-

dering 'ever-increasing service to society'—as distinct from what appears to be his more commonly understood service of designing, specifying and supervising the construction of the buildings which line, but unfortunately do not always adorn, the streets and roads of our cities and suburbs.

"Philadelphia has a Chapter of the American Institute of Architects, and individual practitioners most favorably known and highly appreciated the country over. Why should not Philadelphia give this profession and these members greater recognition and greater opportunity for service to their city and their calling?

"In John T. Windrim, the son of James H. Windrim, whose loss was but recently mourned, and who was for a long time Supervising Architect of the U. S. Treasury Department and once Director of Philadelphia's Department of Public Works, we have not only the architect of some of our largest and best buildings, but an excellent executive who has himself been often mentioned as a possibility for Mayor.

"In William D. Hewitt, the designer of the Bourse, the Bellevue-Stratford, and other important buildings, we have a sterling character fit for any public service.

"In Horace Wells Sellers, as Chairman of the Committee which restored Congress Hall to the satisfaction of the city and the country, we have a man of unselfish accomplishment, thoroughly versed in local and national history.

**DRAWING  
MATERIALS**

**CHARLES H. ROBBINS, JR.**  
1209 Arch Street,  
BELL PHONE, WALNUT 1086  
Philadelphia  
KEYSTONE PHONE, RACE 614

**BLUE  
PRINTS**



"John Hall Rankin, whose firm has designed public buildings in various parts of the country, has for years served on our Comprehensive Plans Committee, and was recently the one Architect on the Charter Revision Committee.

"John I. Bright has given years of his time to a comprehensive study of Metropolitan Philadelphia, its traffic and port facilities, as has also Milton B. Medary, who has, in addition, acted as Chairman of the Chapter's Committee on Housing. Until the recent return of Paul P. Cret, another fine example of Philadelphia's architectural genius, Mr. Medary acted in his place on the Art Jury.

"Albert Kelsey, to the first to visualize the Parkway, has also been a constant worker for this City's advancement.

"Edgar V. Seeler, the architect of the Curtis, the Penn Mutual and other buildings, is a conscientious worker anywhere and is a member of the Zoning Commission.

"Charles A. iZegler, who has helped to make Philadelphia's suburbs famous, served long and well on the Congress Hall Committee.

"Horace Trumbauer, too, is responsible for many of our best buildings and maintains a lively interest in our Parkway, Art Gallery and civic embellishment.

"In Clarence C. Zantzinger, we have resident with us a Vice-President of the national organization—the American Institute of Architects—as well as a public-spirited citizen like his other partner, Charles L. Borie, Jr.

"And John P. B. Sinkler, as President of the Philadelphia Chapter, was re-elected because of his unselfish service in the cause of his city.

"These and many more architects who might be mentioned have been constant contributors to the city's welfare in matters of city planning, park and street improvements, better housing, living and sanitary conditions, fire prevention, building law improvements, structural and industrial safety, and all those other phases of the practice of a modern architect, whose training and experience so well qualify him for civic service.

"The selection of Mr. John McArthur Harris, the one architect on the present Committee of One Hundred, is a most appropriate choice, and the seven fine women, a fortuitous step in the right direction.

"Why, the writer again asks, do not Philadelphians take advantage of the service which the architects can render as advisors and active workers for the good of their city, whether on committees for choosing the Mayor and Councils, or for any other worth-while purpose?"

## HOUSING THE HOUSELESS

Starting Right, Planning Well, and Exercising Intelligent and Careful Supervision of all Work Will Do Much To Reduce Costs

BY CHARLES E. WHITE, JR.

Cost of building is higher than it ever was before and yet in many communities there has been more building in June than has been recorded in any previous year. Contractors who haven't done a stitch of work in two years report they are working night and day—working nights figuring jobs and working days building them. The hum of the building industry is continuous and the same hammering and sawing that prevailed in summer days before the war is apparent now.

Somebody is paying the price for building and somebody is getting the money, but who?

Material men claim they are not making a more-than-usual profit; the different trades say they are not getting it; contractors certainly are not participating in undue profits, if we are to judge by the low percentage they are figuring in their bids.

Who gets the money? Somebody gets it, for the owner is certainly paying more for his building than ever before. Probably it is the mechanic who benefits most by the higher cost of building. His wages are much higher in all lines, both in the construction end as well as in the line of production of building materials.

Here is what is happening in most sections of the country. The experiences in one town are pretty much the same in every other. An owner decides to build a home (for it is in housing that there is the most activity just now, as every contractor knows). He has his plans and specifications made and gives them out for bids. Though warned by his architect that prices are high, he has, in his zeal, caused plans to be drawn for a bigger house than he is entitled to for present market prices.

"Make the living room fourteen by twenty-eight," he has told his architect, "with four good-sized bedrooms and a couple of bathrooms on the second floor."

"You can't do it for seven thousand," advises the architect.

"Oh, yes you can," insists the owner, "McAdam is building a seven-thousand-dollar house, and if he can do it, I can" (he guesses).

So plans are drawn for a house with cement foundations, iron columns for supporting the first floor, two big living rooms with a brick fireplace and a good-sized dining room and butler's pantry.

Plumbing is of the best, and electric outlets are scattered liberally throughout the rooms. The roof is shingled with composition shingles and the outside walls are plastered with cement-plaster, rough cast.

To bring the house up to the grade desired by the owner, the architect specifies plate glass in all prominent windows, enameled paint throughout the interior, cement steps at the front and rear entrances, and there are several tile floors, to say nothing of built-in cabinets and bookcases.

What happens when the bid comes in?

Of course the inevitable happens. Bids run all the way from eighty-five hundred to ten thousand dollars, and the owner goes up in the air.

Then there is dickering with the lowest bidder. Every contractor hates to lose a job, so they figure and figure and allow themselves to be squeezed a little here and there, clip their profit a little bit more and finally get down to the owner's figures.

Now comes the tug of war. No builder can possibly make a profit on the job except by the utmost of efficiency. There isn't five dollars leeway one way or the other and if he wants to make even a small profit he must watch the job keenly, and lay out the work for his men so that every particle of waste in either labor or material will be stripped away.

"Many builders will get stung in 1919," prophesied an architect to the writer a few days ago. "In their eagerness to get work they have not only figured low, but at the last minute when the owner wavered between going ahead or quitting, they made a further reduction, and must trust to luck that they will get out of it with a profit."

The owner is up against this proposition: He is confronted with an increased cost of building, from twenty-five to fifty per cent. more than four years ago, but his income has not increased in the same proportion. So, naturally, he dickers with the builders and beats them down as much as possible.

It is the contractor's foreman who can save the day for him. If he has a good foreman who has brains enough to cut out waste, and energy enough to see that all work is done expeditiously and eco-

(Continued on page 494)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING;  
CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Store (alts.),** Nineteenth and Ingersoll streets, Philadelphia. Architect, Edward L. Rothchild, 1011 Chestnut street, Philadelphia. Owner, I. A. Dionne, on premises. General interior alterations. Plans in progress.

**Office Building,** 405-07 Market street and 12 North Fourth street, Philadelphia. Architect, William Copeland Furber, 418 Walnut street, Philadelphia. Owners, Central Trust & Savings Co., Fourth and Market streets. Stone, granite, steel, brick and terra cotta. Preliminary plans in progress.

**Wagon Factory,** Southeast Corner Second and Norris streets, Philadelphia. Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, Keystone Wagon Works, 1949 North Second street, Philadelphia. Brick, slow burning construction, 3 stories, 75x109 feet, slag roof, plank floors, stone foundations, steam heat, electric light, plumbing, (1) electric elevator. Architect will take bids in two weeks.

**Stores and Apartments (5),** Southeast Corner Sixtieth and Chestnut streets, Philadelphia. Architects, Clark & Dudnick, Drexel Building, Philadelphia. Owner, Morris Silver, care of architects. Brick, 3 stories, 16x84 feet, stone foundations, slag roof, hardwood floors, hot water heating, electric lighting, tile work. Plans will be completed in ten days.

**Synagogue (alts. and add.),** Sixty-ninth and Paschall avenue, Philadelphia. Architects, Clark & Dudnick, Drexel Building, Philadelphia. Owners, Congregation Brith Solom, on premises. General interior alterations. Architect ready for bids.

**Store and Garage (add.),** Sixty-fifth and Upland streets, Philadelphia. Architects, Clark & Dudnick, Drexel Building, Philadelphia. Owner, F. Levin, on premises. Brick, 1 story add., 18x34 feet, slag roof, cement and wood floors. Owner is taking bids.

**Factory,** 2428-48 North Eighth street, Philadelphia. Architect, William F. Koelle & Co., Twenty-sixth and Oxford streets, Philadelphia. Owners, Breyers Ice Cream Co., 2428-48 North Eighth street, Philadelphia. Brick, steel and concrete, 7 stories, 49x186 feet, stone foundations, concrete roof, cement floors, hollow tile, elevators, rolled steel sash, fire doors, rolled steel doors, ornamental iron work, hardware, sheet metal work, painting, glazing, plumbing, lumber and mill work (heating and lighting reserved). Owners taking bids due August 18th. William R. Dougherty, 1610 Sansom street; H. E. Baton, 1713 Sansom street; William Steele & Sons Co., Sixteenth and Parkway; Warren-Moore Co., Colonial Trust Building; William F. Koelle & Co., Twenty-sixth and Oxford streets; A. R. Raff Cont. Co., 1635 Thompson street, and Turner Const. Co., 1713 Sansom street, are figuring.

**Residence (alts.),** 1010 North Fortieth street. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner,

Samuel Lehrman, 1104 North Fortieth street, Philadelphia. General alterations. Plans in progress.

**Dwellings (2),** Ditman street, South of Unruh street, Philadelphia, \$6,000. Architect, private plans. Owner, Louis Laib, 6638 Torresdale avenue, Philadelphia. Brick, 2 stories, 16x38 feet, slag roof, hot air heat. Owner will build.

**Dwellings (9),** Broad street, North of Sixty-ninth avenue, Philadelphia, \$82,000. Architect, private plans. Owner, Foster & Feichman, 1418 Sixty-ninth avenue, Philadelphia. Brick, 2 stories, 16x28 feet 8 inches, 12x20 feet, slag roof, hot water heat. Owner will build.

**Bank Building (alts. and add.),** Northwest Corner Columbia and Ridge avenues, Philadelphia. Architect, Carl P. Berger, 1410 South Penn Square, Philadelphia. Owner, Northwestern Trust Co., on premises. Stone, granite, steel, brick and terra cotta, second story add., 50x85 feet, new add., 2 stories and basement, 60x57 feet, tile and cork tile floors, steam heating, electric lighting and fixtures, mill work, marble work, dumb waiters, lumber, weather strips, hardware, stairs, refrigerating machine. Architect and P. Hai-bach Cont. Co., Twenty-sixth and Thompson streets, are taking sub-bids on all lines.

**Cafeteria (alts.),** 34 South Fifteenth street, Philadelphia. Architect, private plans. Owners, Knickerbocker Cafeteria, on premises. General interior alterations, carpentry, plastering, tile and marble work. Owners taking bids. Lam Building Co., 1001 Wood street, is figuring.

**Dwelling,** 5401 North Eleventh street, \$6,250. Architect, private plans. Owner, William J. Baltz, 709 Butler street, Philadelphia. Brick, 2 stories, 16½x46 feet, slag roof, hot water heat. Owner will build.

**Residence and Garage,** Saul street, between Harrison and Wakefield streets, Frankford. Architect, George C. Baum, 1511 Arch street, Philadelphia. Owner, Frank M. Daniel, 4434 Paul street, Frankford. Stone or brick, 3 stories, 38x48 feet, and 1 story, 18x22 feet, tile roof, oak, pine and cement floors, hot water heat, electric lighting. Architect has received bids.

**Superstructure,** Engine House No. 4, Lardner's Point Pumping Station. Architect, private plans. Owners, Department of Public Works, Bureau of Water, 216 City Hall. Brick, terra cotta and steel, 1 story, 63x78 feet, slag roof, pine and concrete floors, hollow metal sash. Owners taking bids due August 18th. H. E. Baton, 1713 Sansom street, figuring.

**Boat and General Storage,** Navy Yard, Philadelphia, Spec. 4012. Architect, private plans. Owners, United States Government, Bureau of Yards and Docks, Washington, D. C. Hollow tile and steel, 502x267 feet, built-up and slag roof, concrete floor, wood pile foundations, hot water heat, electric

light, rolled steel sash, iron work, hollow tile, roof ventilators, waterproofing, iron work. Owners have received bids.

**Residence and Garage (alt. and add.),** Valley road and Mountain avenue, Oak Lane. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owner, Leo H. Heimerdinger, 315 North Twelfth street, Philadelphia. Stone, 2½ stories, cut stone work, metal work, carpentry, mill work, painting, plastering, composition floors, tile and marble work (plumbing, heating and electric lighting reserved). Architect has received bids.

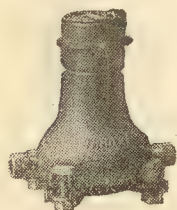
**Residence (alts. and add.),** 1630 Spruce street, Philadelphia. Architect, H. Childs Hodgins, 130 South Fifteenth street, Philadelphia. Owner, Dr. A. Cohen, 1630 Spruce street, Philadelphia. Brick, 3 stories, 14x18 feet, slag roof, oak floors, stone foundations, hot water heat, electric light, tile work, iron work. Architect has received bids.

**Residence,** Coulter street, between Thirty-first and Queen Lane Manor, Philadelphia. Architects, Hawley & Hawley, Queen Lane Manor, Philadelphia. Owner, Frank H. Burpee, 1814 Venango street. Brick and rough cast, 2½ stories, 25x63 feet, shingle roof, oak floors, stone foundations, hot air heat, electric light, tile work, iron work, mill work, hardware, plumbing. Architects have received bids.

**Bank Building (new front), Sores (2) and Offices (8) (alts. and add.),** Seventh and Morris streets, Philadelphia. Engineers and architects, Golove & Lewis, Real Estate Trust Building, Philadelphia. Owner, Board of Directors, The Public Bank, on premises. Brick, steel and terra cotta, 2 stories, mezzanine floor and new front, electric lighting, tile and marble work, metal lath, steam heating, banking fixtures, carpentry, vault, mill work, plumbing, plastering. Engineers and architects have received bids.

**Residence and Garage,** Green street and Lincoln Drive, Germantown. Architects, Baiely & Bassett, 421 Chestnut street, Philadelphia. Owner, Robert Shoemaker, Jr., Germantown. Hollow tile and stucco, 2½ stories, 22x43 feet, wing 16x18 feet, garage, 1 story, 20x22 feet, slate roof, oak and cement floors, hollow tile, stone foundations, tile and marble work, iron work, cut stone (heating, plumbing and electric lighting reserved). Architects have received bids.

**Residence,** 1529 Belfield street, Philadelphia. Architect, Stanley K. Neubauer, 547 Drexel Building, Philadelphia. Owner, Morris Meyerhoff, 3216 Market street, Philadelphia. Brick, 2 stories, 18x56 feet, slag roof, parquetry and N. C. pine floors, stone foundations, electric light, tile work, iron work (heating reserved), mill work. Architect taking bids due August 18th. Albert Zellfelder, 151 South Broad street; Henry P. Schneider, 3713 Old York road; John Schuster, 3552 North Fifteenth street, and Lam Building Co.,



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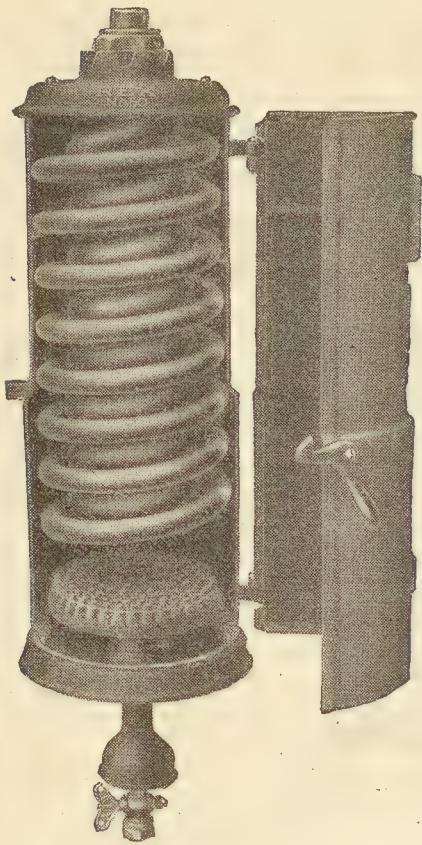
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**Residence (alts. and add.),** 274 South Twentieth street, Philadelphia. Architect, private plans. Owner, Daniel J. Keating, 274 South Twentieth street, Philadelphia. Rear add., second and third story, brick, slag roof, plumbing, electric lighting. Owner taking bids. Lam Building Co., 1001 Wood street, is figuring.

**Theatre, Apartment House, Dance Hall and Stores,** Broad and Allegheny avenue. Architects, Hoffman Henon, Inc., Finance Building, Philadelphia (Note). Owners, Joseph C. Cohen & Co., 1740 West Erie avenue, Philadelphia. Stone, steel, brick and terra cotta, theatre, 146x265 feet. Plans in progress. Other buildings at subsequent dates.

**Sunday School (alts.),** Pratt street, West of Richmond street, \$5,000. Architect, private plans. Owners, First Presbyterian Church, 2814 Pratt street, Philadelphia. Alterations to gallery. Owners will build.

**Department Store,** 6115 Woodland avenue, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, I. Tannenbaum, 6127 Woodland avenue, Philadelphia. Brick, 2 stories and basement, 20x90 feet, slag roof, hardwood floors, maple floors, plate and leaded glass, hot water heating, electric lighting, copper work, hollow metal skylights, flush bulks, marble work, cement work, steel work, demolition of present dwelling. Owner will be ready for bids in a few days.

**Residence (alts.) to Drug Store,** 2401 South Sixty-second street, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, J. Schlichtman, Sixty-second and Gray's avenue, Philadelphia. New front, flush bulks, plate glass, electric lighting, hot water heating, tile and marble work, plumbing, store fixtures, composition floor, metal ceiling, ornamental iron work. Owner is ready for bids.

**Store and Apartments,** Sixty-fifth avenue and Stenton avenue. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, J. Henry Parker, on premises. Brick, 2 stories, irregular size, slag roof, pine floors, hot water heat, electric lighting. Owner ready for sub-bids.

**Stores and Residences (11),** South side of Elmwood avenue, between Seventieth and Seventy-first. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Daniel Hogan, Sixty-first and Columbia avenue. Brick, 2 stories, 16x60 feet, slag roof, pine floors, stone foundations, hot water heat, electric lighting, tile work, flush bulks. Owner ready for sub-bids.

**Mill Building, Power House and Dye House,** Atlantic and "I" streets, Philadelphia. Architect, Albert C. Wood, Stock Exchange Building, Philadelphia. Owners, Notaseme Hosiery Co., Oxford and Mascher streets, Philadelphia. Reinforced concrete, brick and steel, 4 and 1 stories, 250x55 feet, 250x55 feet, connecting building 51x50 feet and 250x48 feet, built-up roof, maple and cement floors, concrete foundations, steam heat, electric lighting, rolled steel sash, elevators, roof ventilators. Engineer taking preliminary bid due August 14th from Cramp & Co., Denckla Building; Turner Construction Co., 1713 Sansom street, and F.

W. Mark Cont. Co., Commercial Trust Building, Philadelphia.

**Store (alts. and add.),** Silver street and Germantown avenue. Architect, William H. Wooters, 816 West Allegheny avenue, Philadelphia. Owner, Adolph Weiss, 4343 Main street, Philadelphia. Brick, rear add., 25x30 feet, slag roof, brownstone trim, pine floors, metal ceilings (heating and lighting extensions). Owner taking bids due as soon as possible. H. P. Werner, 4243 Germantown avenue, figuring.

**Residence (alt.),** 4845 Pulaski avenue, Philadelphia. Architects, Hoffman & Henon, Inc., Finance Building, Philadelphia. Owner, name withheld. Brick, 19x5 feet add., stone foundations, hot air heating, electric lighting, oak floors, mill work, plastering, hardware, gas fitting, sheet metal work, painting and glazing. Architects taking bids due August 14th. Smith-Hardican Co., 1606 Cherry street; Pierce Henon Co., Bulletin Building; F. B. Davis, 240 North Sixteenth street, and Charles Johnson, 5701 Boyer street, are figuring.

**Factory,** Fifty-first and Leidy avenue, Philadelphia. Architect, private plans. Owners, Collins & Aikmann, 4675 Nixon street, Manayunk. Reinforced concrete, 3 stories, 60x160 feet, reinforced concrete roof, concrete floor, concrete foundations, steam heat, electric light, terrazzo work, rolled steel sash, fire doors, iron work, elevators, waterproofing, dampproofing. William Steele & Sons Co., Sixteenth and Parkway, taking sub-bids.

**Bakery Store,** Fifty-third and Greenway avenue, Philadelphia, \$40,000. Architect, Wm. Klemm, First National Bank Building, Trenton, N. J. Owner, John Keidel, on premises. Brick, 2 and 1 story, 48x95 feet, slag roof, stone foundation, steam heat, electric light, hollow metal sash and skylights, roof ventilators. Plans in progress.

**Church,** Broad and Granger streets, Fern Rock, Philadelphia. Architects, Charles W. Bolton & Sons, Witherspoon Building, Philadelphia. Owners, Fern Rock Reformed Church, Broad and Granger streets. Stone and stucco, 1 story, 40x60 feet, tin roof, yellow pine floors (heating, electric lighting and plumbing reserved), cement and brick work, carpentry, plastering, painting. Architect taking bids, due August 13th. T. C. Trafford, 1613 Sansom street; Henry P. Schneider, 3713 Old York Road; Potts Bros. & Cooperson, 129 N. Eleventh street, and George Boyd, 5012 Schuyler street, are figuring.

**Store Building (alts.),** 716 Market street, Philadelphia. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Estate of John Dobson, 809 Chestnut street, Philadelphia. General interior alterations, new front, passenger elevator, steam heat, electric light, tile and marble work, new stairs, floors. Owners taking sub-bids.

**Residence (alts. and add.),** 2414 West Lehigh avenue, Philadelphia. Architect, Henry G. Schaefer, 4830 Marvine street, Philadelphia. Owner, Lewis P. Albrecht, on premises. Brick, 2 stories, 15x13 feet addition, slag roof, pine floors, stone foundation, marble work, iron work (plumbing, heating and electric work reserved). Architect taking bids, due August 14th. Hogg Const. Co., Denckla



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**Construction Buildings (3)**, Frankford Arsenal, Philadelphia. Architects, private plans. Owners, U. S. Government, care of Frankford Arsenal, Philadelphia. Brick, concrete and steel. Plans in progress.

**Moving Picture Theatre**, south side of Elmwood avenue, between Seventieth and Seventy-first streets. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Daniel E. Hogan, Sixty-first and Columbia avenue, Philadelphia. Brick, 42x150 feet, 500 seating capacity, tile and slag roof, wood and cement floors, hot water heat, electric lighting, stone foundations, tile and marble work, metal lath, roof ventilators. Owner ready for sub-bids.

**Residence (alts. and add.)**, 3034 North Twenty-second street, Philadelphia. Architect, Edw. L. Rothschild, 1011 Chestnut street, Philadelphia. Owner, Dr. Gemmaro Sparano, 3034 North Twenty-second street, Philadelphia. Brick, 3 stories, 16x22 feet addition, slag roof, pine floors, new partitions, hot water heat, electric light, plumbing. Owner taking sub-bids.

**Bank Building**, northwest corner of Fourth and Lombard streets, Philadelphia. Architect, J. Horace Frank, Real Estate Trust Building, Philadelphia. Owner, M. L. Blitzenstein, northeast corner of Fourth and Lombard sts.

Indiana limestone and stone columns, 1 story and mezzanine floor, 27x45 feet, slag roof reinforced concrete floors, stone foundations, hot water heat, electric light, marble and terrazzo work, mill sash and frames, bank fixtures, metal lath, reinforced concrete vault. Architect is taking sub-bids.

**Apartment House**, North Broad street, Philadelphia. Architect, Frederick T. Uezzell, 717 Walnut street, Philadelphia. Owner's name withheld. Stone, steel and brick. Plans in progress. Too early for details.

**Dwellings (6)**, west side of Ervinger Place, north of Manheim street, \$45,000. Architect, private plans. Owner, George M. Randle, 1212 Stephen Girard Building, Philadelphia. Brick, 3 stories, 16x43 feet, slag roof, electric lighting, tile and marble work, oak floors. Owner will build.

**Store House**, southwest corner of Milnor and Bleigh streets, \$5,000. Architect, private plans. Owners, the L. Martin Co., Tacony, Pa. Brick, 1 story, 50x120 feet, slag roof, cement floor. Owner will build.

**Dwelling**, south side of Weymouth, south of Cheltenham avenue, \$3,500. Architect, private plans. Owner, Albert G. Bruner, Jr., 1912 North Twenty-fourth street, Philadelphia. Frame, 2 stories, 18x12 feet and 25x13 feet, slag roof, hot air heat. Owner will build.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**School (alts.)**, Broad and Jefferson streets. Architects, Magaziner & Eberhard, 603 Chestnut street. Owner, Rodelph Shalom Cong., Broad and Mt. Vernon streets. Brick, 3 stories, mill work, plastering, electric light, carpentry. Contract awarded to Hogg Const. Co., Denckla Building, Philadelphia.

**Tunnel**, 1525-27 Chestnut street, Philadelphia. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, A. Pomerantz & Co., 1525 Chestnut street. Brick work, steel and concrete, cement floors, metal lath, fire doors, plastering, painting, sheet metal, hardware, tunnel, 8 feet wide. Contract awarded to J. H. Hinkle, Rising Sun Lane and Hutchinson street.

**Store and Dwelling**, 724-26 South street, Philadelphia, \$7,000. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, E. Parris, on premises. Brick and stone, 3 stories, 40x62 feet, slag roof, pine, parquet and oak floors, stone foundations, hot water heat, electric light, tile and marble work, metal lath, hollow metal skylights, fire doors, metal ceilings, iron work. Contract awarded to B. Bornstein, 1510 North Franklin street, Philadelphia.

**Residence (alts. and add.)**, 313 Earham Terrace, Germantown. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Harry Felix, on premises. General renovation and additions. Contract awarded to H. Trexler, 212 East Hortter street, Germantown.

**Saw Mill and Boiler House**, Venango and Amber streets, Philadelphia. Architects, Balingier & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, A. Schoenhut Co., Adams and Sepviva streets, Philadelphia. Brick and concrete, 2 stories, 55x153 feet, slag roof, cement floors, stone foundations, rolled steel sash and skylights, fire doors, iron work

(heat, lighting, sprinklers, elevators and equipment, separate bids). Contract awarded to P. Haibach Cont. Co., Twenty-sixth and Thompson streets.

**Service Hotel (alts.)**, Broad and Fairmount avenue, \$4,000. Architect, private plans. Owner, Salvation Army, on premises. General alterations. Contract awarded to F. L. Hoover & Sons, 1023 Cherry street, Philadelphia.

**Meeting Room and Store Room (add. and alt.)**, 3533 Germantown avenue, \$4,200. Architect, private plans. Owner, H. Reinhart, on premises. Brick, second story add., 20x60 feet. Contract awarded to H. P. Werner, 3245 Germantown avenue, Philadelphia.

**Factory**, Weikel and Tioga streets, Philadelphia, \$5,000. Architect, private plans. Owner, Liquid Carbonic Co., Chicago, Ill. Coke stacks, steel. Contract awarded to F. A. Havens Co., 845 North Nineteenth street, Philadelphia.

**Dwelling (add.)** Southwest Corner Pulaski and Winona avenues, Philadelphia, \$2,500. Architect, private plans. Owner, S. S. Powell, on premises. Brick, side add., 10x14 feet, 50x14 feet. Contract awarded to M. S. Oberholtzer, 5524 Pulaski avenue.

**Store and Dwelling (alts.)**, 2906 North Fifth street, Philadelphia. Architects, Greisler, Abramson & Co., Drexel Building. Owner, N. Gerby, on premises. Brick, rear add., 1 story, 16x28 feet, slag roof, pine floors, hot water heat, electric light, tile and marble work, flush bulks. Contract awarded to Harry Slass, 1809 North Seventh street, Philadelphia.

**Store Building (alts. and add.)**, Fifty-third and Market streets, Philadelphia. Architect, H. B. Weldon, Fuller Building, Philadelphia. Owner, L. F. Calby, on premises. Brick, 3 stories, 17x21 feet, slag roof, yellow pine floors, metal lath, tile and marble work, electric light, stone foundations (heat reserved). Con-

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tract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

**Pavilion Boat House**, Dudley Farms, Fox Chase, Philadelphia. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, Clarence Illingworth, on premises. Concrete and frame, walks and dam work. Contract awarded to Louis Kientz and L. & N. K. Morse, Fox Chase, Philadelphia.

**Residence (alts.)**, to Apartments, 113 South Thirty-seventh street, \$15,000. Architect, Charles W. Bolton & Son, Witherspoon Building, Philadelphia. Owner's name withheld. Changing residence into apartments. Brick, 3 stories, hot water heat, electric lighting, tile work, oak floors, tile and marble work, painting, plumbing, changing partitions, etc. Contract awarded to Robt. E. Lamb Co., 843 Nineteenth street, Philadelphia.

**Residences (porches)**, 1202-1258 S. Fiftieth street, \$7,250. Owner, W. D. Stewart, 538 S. Forty-eighth street, Philadelphia. New porches. Contract awarded to R. J. Seltzer, 400 Chestnut street, Philadelphia.

**Dwelling (alts.)**, southwest corner Cherokee and Willow Grove avenue, \$5,000. Architect, private plans. Owner, Samuel T. Houston, on premises. General alterations. Contract awarded to J. P. Thompson, 930 Real Estate Trust Building.

**Garage**, east side of Watts street, south of Venango street, \$5,000. Architect, private plans. Owner, Charles Campbell, 3532 Germantown avenue. Brick, 1 story, 18x95 feet, slag roof, cement floor, electric lighting. Contract awarded to J. Y. Loux, 3731 Old York Road.

**Store Building (alts.)**, 151 Dock street, Philadelphia, \$5,000. Architect, private plans. Owner, John B. Cancellmo, 127 Dock street, Philadelphia. General alterations to storage building. Contract awarded to Henry R. Dahl, 231 South Eighth street, Philadelphia.

**Garages**, Watts street, south of Venango street, \$3,000. Architect, private plans. Owner, Charles H. Campbell, 3532 Germantown avenue. Brick, 1 story, 16x86 feet, slag roof, cement floor, electric light. Contract awarded to J. Y. Loux, 3731 York Road.

**Factory (add.)**, Nixon street, north of Fountain street, \$25,000. Architect, private plans. Owners, Philadelphia Paper Manufacturing Co., on premises. Brick, 1 story, 56x260

feet, slag roof, cement floor, electric light. Contract awarded to Brown Const. Co., 4600 Main street, Manayunk.

**Convent Building (alts. and add.)**, 303-5 N. Sixty-fifth street, \$3,500. Architect, private plans. Owners, Missionary Sisters, on premises. Brick, 2 stories, 10x30 feet, general alterations. Contract awarded to John McShain, 1610 North street, Philadelphia.

**Ice House**, Twenty-fifth and Morris streets, Philadelphia. Architects, Wm. F. Koelle & Co., Twenty-sixth and Oxford streets, Philadelphia. Owners, Crescent Ice and Coal Co., on premises. Brick, 54x100 feet, 60 feet high, slag roof, cement floors, ice gig, waterproof paint (electric lighting reserved), cork and mill shaving insulation. Contract awarded to Wm. F. Koelle & Co., Twenty-sixth and Oxford streets, Philadelphia.

**Residence and Garage**, Seventh and Cheltenham avenue, Philadelphia. Architect, Alex. M. Adams, 1012 Walnut street, Philadelphia. Owner, Wm. Schoenhut, 2008 Memphis street. Stone, 2½ stories, 33x39 feet, wing 13x18 feet. Garage, 1 story, 20x20 feet, slate roof, oak, pine and cement floors, hot water heat, electric lighting, tile and marble work. Contract awarded to C. E. Lloyd, Sixty-sixth avenue and Eighth street, Oak Lane.

**Residence**, Germantown, Philadelphia. Architects, Duhring & Ziegler, Bailey Building, Philadelphia. Owner, William E. Chapman, Kitchens Lane, Germantown. Stone, 2½ stories, 31x62 feet, shingle roof, oak floors, stone foundations, hot water heat, electric light, tile work, metal lath, iron work. Contract awarded to A. L. Fretz & Son, Heed Building, Philadelphia.

**Factory**, Queen Lane and Greene street, Philadelphia. Architect, John Molitor, 4959 Rubicam street. Owners, Wirt Co., Armat and Lena streets, Germantown. Brick and frame, 2 stories, 61x157 feet, slag roof, concrete and maple floors, stone foundations (heating and lighting reserved), iron work. Contract awarded to H. E. Batton, 1713 Sansom street, Philadelphia.

**Residence (int. alts.)**, 1831 Pine street, Philadelphia. Architects, Bissell & Sinkler, Otis Building, Philadelphia. Owner, Mrs. Cox, 1831 Pine street. Brick, 3 stories, carpentry, painting, hardware, sheet metal work.

Contract awarded to Frank G. Stewart, 1619 Sansom street, Philadelphia.

**Service Building**, Broad street, above Carpenter street, Philadelphia. Architect, private plans. Owners, Atlantic Refining Co., 3144 Passyunk avenue, Philadelphia. Brick, terra cotta, concrete and tile, electric lighting. Contract awarded to Metzger & Fisher, Otis Building, Philadelphia.

**Store Building (alts.)**, Twentieth and Montgomery avenue, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, American Stores Co., York avenue and Noble street. Brick and steel, 2 stories, 115x215 feet, slag roof, cement and maple floors, hollow tile, tile work, rolled steel sash, fire doors and kalamein doors, iron work. Contract awarded to Geo. F. Pawling Co., 1432 South Penn Square, Philadelphia.

**Building, No. 2**, Keystone and Cottman sts., Philadelphia. Architect, private plans. Owners, L. H. Gilmer Co., Tacony, Pa. Brick, steel and plaster, 2 stories, 56x183 feet, slag roof, cement, concrete, maple floors, stone foundations, rolled steel sash, rolled steel shutters, iron work (heating and lighting reserved). Contract awarded to John H. Homan Const. Co., 34 South Seventeenth street, Philadelphia.

**Chapel of Our Lady of Peace**, southeast corner Corinthian and Girard avenues. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Franciscan Monastery of St. Clare, on premises. Stone, brick and steel, 2 stories, 31x100 feet, slag roof, pine floors, stone foundations, tile and marble work, metal lath, iron work (heating reserved). Contract awarded to Wm. R. Dougherty, 1610 Sansom street, Philadelphia.

**Bank (alts.)**, 427 Chestnut street, Philadelphia, \$10,000. Owners, Philadelphia National Bank, on premises. General interior alterations. Contract awarded to Wm. Steele & Sons Co., 1600 Arch street, Philadelphia.

**Tank Support**, southeast corner of Summerdale and Philadelphia and Reading Railroad Co., \$6,000. Architect, private plans. Owners, Leas McVitty, Inc., on premises. Contract awarded to Chicago Bridge and Iron Works, Chicago, Ill.

**Dwelling (alts.)**, 1313 Spruce street, Philadelphia, \$3,500. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, George Wood, on premises. Brick, 2 stories,

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10x12 feet, general alterations. Contract awarded to Jacob Myers Sons & Co., Wither-  
spoon Building, Philadelphia.

**Weave Shed (extension)**, Twelfth and Jack-  
son streets, Philadelphia, \$20,000. Engineer,  
Charles A. Blatchley, Drexel Building, Phila-  
delphia. Owners, Wm. F. Read & Sons Co.,  
on premises. Brick and steel, 1 story, 47x130  
feet, slag roof, concrete floors, wire window  
guards, concrete foundations, glazing, paint-  
ing and hardware. Contract awarded to Wm.  
F. Neuberry, Otis Building, Philadelphia.

**Factory**, Sixteenth and Reed streets, Phila-  
delphia. Architects, Frank E. Hahn & Co.,  
1112 Chestnut street, Philadelphia. Owners,  
Jacob Miller & Sons Company, Sixteenth  
and Reed streets, Philadelphia. Reinforced  
concrete, 5 stories, 98x118 feet, slag  
roof, maple and composition floors, stone  
foundations, rolled steel sash, steel rolling  
doors, safety treads, waterproofing, iron stairs.  
Contract awarded to Wark & Co., 1737 Fil-

bert street, Philadelphia.

**Display Window (alts.)**, 1222 Market street,  
Philadelphia, \$3,000. Architect, Horace W.  
Castor, Stephen Girard Building, Philadel-  
phia. Owners, Harper Shoe Co., 1228 Market  
street, Philadelphia. Marble and tile work,  
carpentry, plastering, metal lath, hollow metal  
doors, hardware, glazing, painting, iron work,  
plumbing (alterations to heating, electric  
wiring and fixtures reserved). Contract  
awarded to H. E. Baton, 1713 Sansom street,  
Philadelphia.

**Store Building**, 2006-08 Market street, Phila-  
delphia. Architects, Wm. Steele & Sons Co.,  
Sixteenth and Parkway, Philadelphia. Own-  
er's name withheld. Brick, 3 stories, 25x160  
feet, slag roof, pine and cement floors, stone  
foundations, steam heating, electric light-  
ing, iron work. Contract awarded to Wm.  
Steele & Sons Co., Sixteenth and Parkway,  
Philadelphia.

**Operation of Residences**, Wynnewood Road  
Merion, Pa., \$15,000 to \$20,000. Architect,  
Walter H. Thomas, 130 South Fifteenth  
street, Philadelphia. Owner's name withheld.  
Stone and stone and stucco, slate roof. Plans  
in progress.

**Residence and Garage**, Merion, Pa. Archi-  
tects, Seeburger & Rabenold, Weightman  
Building, Philadelphia. Owner, Mrs. Samuel  
McCreary, Merion, Pa. Stone, 2½ stories,  
33x85 feet, slate roof, oak floors, stone founda-  
tions, vapor heat, electric light, tile and mar-  
ble work. Plans about completed. Architect  
will take bids in a few days.

**Infirmity Building "S" and outside Corri-  
dor**, Spring City, Pa. Architect, Philip H. John-  
son, Presser Building, Philadelphia. Owners,  
State Institution of Feeble Minded, Spring  
City, Pa. Owners taking bids, due August  
19th. Pringle Borthwick, 8018 Germantown  
avenue; Thos. Reilly, 1616 Thompson street;  
Wm. H. Wiand, Pottstown, Pa., additional  
bidders.

**Residence**, Chester, Pa. Architects, Brown  
& Whiteside, Wilmington, Del. Owner, Dr. J.  
P. Craig, 417 East Broad street, Chester, Pa.  
Hollow tile and stucco, 2½ stories, 25x32 feet,  
wing 10x20 feet, slate roof. Architects have  
received bids.

**Residence**, Melrose Park, Pa. Architect,  
H. W. Hartman, 130 East Fifteenth street,  
New York City. Owner, Walter Dannenbaum,  
Frankford, care of Natural Ammonia Co.  
Owner has received bids.

**Residence and Garage**, Merion Pa. Archi-  
tect, John L. Coneys, Drexel Building, Phila-  
delphia. Owner's name withheld. Stone, 2½  
stories, 35x80 feet, electric lighting, tile work,  
hot water heating, tile roof, oak floors. Plans  
completed. Architect will be ready for sub-  
bids in a few days.

**Residences (2)**, Lancaster, Pa. Architect,  
Wm. C. Prichett, 416 Walnut street, Philadel-  
phia. Owner's name withheld. Stone, 2½  
stories, slate roof, oak floors, hot water heat,  
electric light, tile and marble work. Plans  
in progress.

**Residence and Garage**, Merion, Pa. Archi-  
tect, Frank Seeburger, 1524 Chestnut street,  
Philadelphia. Owner, Thomas J. Hare, Merion,  
Pa. Stone, 2½ stories, 29x23 feet, wing 20x  
38 feet. Garage, 1 story, 31x51 feet, slate  
roof, oak and cement floors, electric lighting,  
tile work (heating and plumbing reserved),  
iron work. Architect taking bids, due August

## PENNSYLVANIA

## Construction News

**Residence**, Ogontz, Pa. Architects, Tilden  
& Register, Franklin Bank Building, Phila-  
delphia. Owner, George G. Pierre, Jr., Ogontz,  
Pa. Stone and stucco, 2½ stories, 62x41 feet  
and 2 wings 26x38 feet, slate roof, oak floors,  
indirect and hot water heat, electric light,  
tile and marble work. Architects taking sub-  
bids, due as soon as possible.

**Bank Building**, East King street, Steelton,  
Pa., \$100,000. Architect, Herman M. Miller,  
Crozer Building, Philadelphia. Owners, Peo-  
ple's National Bank, care of W. H. Nell,  
Steelton, Pa. Stone. Preliminary plans in  
progress. Too early for details.

**Church**, Chester, Pa. Architect, Herman M.  
Miller, Crozer Building, Philadelphia. Own-  
ers, Lutheran Church of the Nativity, care of  
Rev. J. J. Brubeck, Chester, Pa. Stone, In-  
diana liestone trim, 52x180 feet, slate roof.  
Preliminary plans in progress.

**Residence**, Tyrone, Pa. Architects, Maga-  
ziner & Eberhard, 603 Chestnut street, Phila-  
delphia. Owner, Richard Beaston, Tyrone,  
Pa. Stone, 2½ stories. Plans in progress.  
Too early for details.

**Residence and Garage (alts.)**, Wynecote, Pa.

Architects, Magaziner & Eberhard, 603 Chest-  
nut street, Philadelphia. Owner, John C. Mar-  
tin, Independence Square, Philadelphia. Gen-  
eral alterations. Plans in progress.

**Power House**, Carlisle, Pa. Architects,  
Lockwood Greene Co., 101 Park avenue, New  
York City. Owner, C. H. Masland & Son, Am-  
ber and Westmoreland streets. Concrete,  
brick and steel, 1 story, 30x94 feet, slag roof,  
cement floors, concrete foundations, rolled  
steel sash, iron work (electric light reserved).  
Architect will take revised bids.

**Store Building**, 740 Penn street, Reading,  
Pa. Architect, Fred Muhlenberg, Falders  
Building, Philadelphia. Owner, H. A. Israel,  
Reading, Pa. Brick and terra cotta, 6 stories,  
40x270 feet, slag roof, maple floors, steam  
heating, electric lighting, plumbing, 1 freight  
and 1 passenger elevator. Preliminary plans  
in progress.

**Residence**, Glenside, Pa. Architect, private  
plans. Owner, Wm. Theapleton, 5113 North  
Eleventh street, Philadelphia. Frame, 2½  
stories, 26x40 feet, shingle roof, oak floors,  
stone foundations, hot water heating, electric  
lighting, tile work. Owner has received bids.



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15th. E. J. Hedden, Finance Building; Milton W. Young, Overbrook, Pa.; Chas. C. Page, Merion, Pa.; J. E. Kearney, 34 South Seventeenth street, are figuring.

**Residence**, Bywood, Pa. Architect, Amos W. Barnes, 1507 Arch street, Philadelphia. Owner, John Long, Jr., care of architect. Stone and stucco, 2½ stories, 40x42 feet, wing 13x18 feet, slate roof, oak and pine floors, hollow tile, stone foundations, tile and marble work, iron work (heat, lighting and plumbing reserved), carpentry, mill work, brick work, cut stone work. Architect taking bids, due August 14th. Smith-Hardican Co., 1606 Cherry street, is figuring.

**Residence**, Lansdowne, Pa. Architect, Andrew C. Brozner, 717 Walnut street, Philadelphia. Owner, Edw. T. Deckert, Lansdowne, Pa. Hollow tile and stucco, 2 stories, 25x33 feet, shingle roof, pine floors, hot water heat, electric lighting. Architect will be ready for bids in a week.

**Residence and Garage**, Rose Valley, Pa. Architect, Howell Lewis Shay, North American Building, Philadelphia. Owner, M. B. Saul, Land Title Building. Stone, 2½ stories, slate roof, hot water heating, electric lighting, oak floors, tile and marble work. Plans in progress.

**Residence**, Swedeland, Pa. Architect, Harry Gordon McMurtrie, 1012 Walnut street, Philadelphia. Owner, L. Markland, Swedeland, Pa. Stone and stucco, 2½ stories, slate roof, hot water heat, electric lighting. Plans in progress.

**School Building**, West Side, Bethlehem, Pa., Eighth and Ninth streets and Union street. Architect, Verus T. Ritter, 507 North American Building, Philadelphia. Owners, School Board of the City of Bethlehem, Pa. Brick, stone and stucco, 2 stories, 176x185 feet, stone foundations, composition roof, maple floors, furnace blast heating, electric light, tile and terrazzo work, metal lath, rolled steel skylights, iron work. Owners taking bids, due August 19th. Wills-Ludwick Co., 1708 Sansom street; Cramp & Co., Denckla Building; Roydhouse-Arey Co., 112 North Broad street, are figuring.

**Road Work**, various locations, Pennsylvania. Owners, State of Pennsylvania, care of Lewis Sadler, State Highway Commissioner, Harrisburg, Pa. Lowest bids submitted by:

Beaver County, Pulaski and Daugherty Townships, 6,788 feet one course reinforced concrete from New Brighton Borough, S. B. Markley, Rochester, Pa., \$65,037.

Cambria County, Croyle Township, 6,634 feet reinforced concrete and hillside vitrified brick, Croyle Township Supervisors, Wilmer, R. D. No. 2, \$127,217.

Clearfield County, Lawrence and Pike Townships, 17,977 feet reinforced concrete, Dowler & Anderson, Clearfield, Pa., \$195,584.

Clearfield County, Brady Township, 8,118 feet reinforced concrete and hillside vitrified brick, George Minns, Jr., Dubois, \$68,179.

Clearfield County, Sandy Township, 13,027 feet reinforced concrete and hillside vitrified brick, Dale Engineering Co., Inc., Utica, N. Y., \$136,990.

Erie County, Northeast Township, 18,940 feet bituminous or concrete surface course, Griff Const. Co., Erie, Pa., \$137,611.

Fayette County, Dunbar Township, 5,950 feet reinforced concrete and hillside vitrified brick, George S. White Co., Pittsburgh, Pa., \$65,403.

Indiana County, Indiana Borough, 8,188

feet reinforced concrete, M. Bennett & Sons, Indiana, Pa., \$73,958.

Lackawanna County, Elmhurst Borough, 7,358 feet bituminous surface on a concrete foundation, H. B. Sproul Const. Co., Inc., Scranton, Pa., \$56,507.

Lycoming County, Muncy Creek and Wolk Townships, Muncy and Hugessville Boroughs, 24,226 feet bituminous and concrete surface course, Winston & Co., Kingston, N. Y., \$198,041.

Lycoming County, Hiatt and Porter Townships, Jersey Shore Borough, 14,284 feet bituminous and reinforced concrete surface course, W. J. Gephart, Pittsburgh, Pa., \$126,271.

Northampton County, Plainfield Township, 29,182 feet reinforced concrete, E. P. Arbogast, Stroudsburg, Pa., \$217,812.

Dauphin and Perry Counties, Buffalo and North Buffalo Boroughs, Watts and Reed Townships, 41,753 feet bituminous and reinforced concrete surface, Winston & Co., Kingston, N. Y., \$439,676.

Schuylkill County, New Castle, Ryan, Blythe and West Mahoning Townships, 22,435 feet reinforced concrete, Edward J. Corcoran, Plains, Pa., \$325,120.

Snyder and Juniata Counties, Ssusquehanna and Chapman Townships, 25,737 feet bituminous and reinforced concrete surface course, R. C. Fiss, Shamokin Dam, Pa., \$267,972.

Venango County, Sugar Creek Township, 14,000 feet reinforced concrete, C. F. Hamilton, Franklin, Pa., \$131,697.

Westmoreland County, Derry Township, 32,047 feet reinforced concrete and hillside vitrified brick, McGrady Bros. Co., Braddock, Pa., \$389,580.

**Power House**, Chester, Pa. Architects, Balingier & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Chester Hospital, Chester, Pa. Brick, 2 stories, slate roof, electric lighting, cement work. Plans in progress.

**Church**, Montgomery, Pa. Architects, Chas. W. Bolton & Son, Witherspoon Building, Philadelphia. Owners, Reformed Church, Montgomery, Pa. Brick, 1 story. Plans in progress. Too early for details.

**Residences (40)**, Lancaster avenue and Roberts Road, Bryn Mawr, Pa. Architect, private plans. Owner, Frank J. Floyd, Lancaster and Merion avenues, Bryn Mawr, Pa. Brick, 2 stories, 16x45 feet, slag roof, hardwood floors, stone foundations, pipeless heaters, combination light, tile work. Owner is taking bids. Chas. C. Pace, Merion, Pa., and J. D. Lingle, Wayne, Pa., are figuring.

**Residence and Garage**, Lower Merion, Pa. Architects, Verus T. Ritter & Lewis H. Shay, North American Building, Philadelphia. Owner, George Parnell Orr, Lower Merion, Pa. Hollow tile and stucco, 2½ stories, 28x70 feet, and 1 story, 18x22 feet, shingle roof, hot water heating, electric lighting, tile and marble work, plumbing. Architects taking bids, due August 18th at noon. J. Sims Wilson Co., 1125 Brown street; Wills-Ludwick Co., 1708 Sansom street; Stewart Bros., 2526 North Orkney street; Stacy Reeves & Son, 2011 Market street, and Charles C. Pace, Merion, Pa., are figuring.

## Pennsylvania

### Contracts Awarded

**Extension of Storage Shed**, Clifton Heights, Pa. Architect, private plans. Owners, Clifton Yarn Mills, Clifton Heights, Pa. Frame, 1

Portland Cement, Sand or Gravel by carload. Consult DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



story, 32x55 feet, slag roof, maple floors, stone foundations. Contract awarded to Barclay White & Co., 1713 Sansom street, Philadelphia.

**Silk Mill**, Allentown, Pa., \$35,000. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owners, Iron Warp Silk Mill, R. M. Engle, manager, Ninth and Greenleaf streets. Reinforced concrete, 2 stories, 68x125 feet, slag roof, maple floors, vacuum heating, electric lighting, standard plumbing, metal sash, corrugated skylights. Architect has received bids.

**Theatre Building**, Allentown, Pa. Architects, Hoffman Henon, Inc., Finance Building, Philadelphia. Owners, Wilmer & Vincent Theatre Co., 33 West Forty-second street, New York City. Brick, 3 stories, 120x150 feet, slag roof, pine floors, metal lath, stone foundations, hot water heating, electric lighting, tile and marble and terrazzo work. Contract awarded to Ochs Const. Co., Allentown, Pa.

**Howarth Building (alts.) to Bank Building**, Chester, Pa. Architects, Lachman & Murphy, Drexel Building, Philadelphia. Owners, Merchants' Trust Co., Chester, Pa. General renovation, plate glass, bronze work, reinforced concrete vault, electric lighting, tile and marble work, bank fixtures, etc. Contract awarded to R. H. Seroggins, Crozier Building, Chester, Pa.

**Service Building and Apartments**, Lansdowne, Pa. Architects, Lachman & Murphy, Drexel Building, Philadelphia. Owners, Gallagher Bros., Chester, Pa. Brick and steel, 2 stories, 60x61 feet, slag roof, pine and mosaic floors, stone foundation, hot water heat, electric light, terrazzo work, rolled steel skylights, metal lath. Contract awarded to Flounders Bros., Media, Pa.

**Residence (add.)**, Elkins Park, Pa. Architects, Karcher & Smith, 34 South Seventeenth street, Philadelphia. Owner, Hector W. Fielden, Elkins Park, Pa. Hollow tile and stucco, 2 stories, 15x40 feet, pine and oak floors, tile roof. Contract awarded to Frank Carmen, Jenkintown, Pa.

**Recreation Building**, Chestnut Hill, Pa. Architect, Robert Rodes McGoodwin, 1422 Walnut street, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Brick, 1 story, 40x250 feet, copper and tin roof, maple floors, stone foundations, electric light, steam heat, tile work, metal lath, iron work. Contract awarded to Pringle Borthwick, 8018 Germantown avenue.

**Residence**, Swarthmore and Felton avenues, Ridley Park, Pa. Architect, private plans. Owner, C. A. Turner, Ridley Park, Pa. Stone, hollow tile and stucco, 2½ stories, 25x44 feet, wing 14x22 feet, shingle roof, oak floors, stone foundation, hot water heat, electric lighting, tile and marble work. Contract awarded to Pomeroy Const. Co., 1609 Ranstead street, Philadelphia.

**Residence (alts.)**, Lansdowne, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner's name withheld. Brick and stucco, 2½-story addition, 14x22 feet, shingle roof, interior alterations and decorating, new windows, stairway, fixtures, etc. Contract awarded to J. Sims Wilson Co., 1125 Brown street, Philadelphia.

**Newspaper Building (alts.)**, Norristown, Pa., \$5,000. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, Times Publishing Co., Norristown, Pa. Masonry, brick and cut stone work, tin roof, yellow pine and oak floors, steam heat, electric lighting, tile and marble work. Contract awarded to Frank Heavner, Norristown, Pa.

## NEW JERSEY Construction News

**School**, Cinnaminson, N. J. Architect, J. Fletcher Street, 129 South Fifth street, Philadelphia. Owners, Board of Education, Cinnaminson, N. J. Brick, 2 stories, 120x70 feet, slate roof (8 rooms and auditorium), steam heating, electric lighting. Plans in progress. Architect will be ready for bids in three weeks.

**Sewerage System and Disposal Plant**, Paulsboro, N. J. Architects, Remington & Vosbury, 601 Market street, Camden, N. J. Owners, Borough of Paulsboro, care of Daniel D. Pote, clerk, Black Building, Paulsboro, N. J. Terra cotta pipe sewers and connections, 10 4-10 miles, 107 manholes, 11 flush tanks and pumping station and disposal plant. Owners taking bids, due August 18th at 8 P. M. Deposit \$10.00.

**Residence**, Glassboro, N. J. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, C. W. Schwenzfeier, Villa Nova Road, Glassboro, N. J. Frame, 2½ stories, 31x45 feet, concrete foundations, slate roof, pine floors, hot water heating, electric lighting, tile work. Architect taking bids, due August 20th. W. A. Lacy, Richwood, N. J.; Frank L. Supplee, Glassboro, N. J.; John Allen, Woodbury, N. J.; Chas. Thurlow, Mantua, N. J., are figuring.

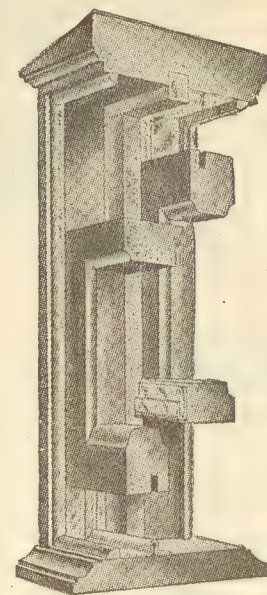
**Dirigible Hangar**, Spec. 4001, Lakehurst, N. J. Architect, private plans. Owners, U. S.

Government, Bureau of Yards and Docks, Washington, D. C. Steel and asbestos, corrugated siding, 2 stories, 354x804 feet, built-up gypsum roof, concrete and wood block floors, hollow tile, metal lath, elevators, roof ventilators, concrete foundations, steam heat, electric lighting, rolled steel sash, skylights and doors, metal stairs, etc. Lowest bidder, Irwin & Leighton, 126 North Twelfth street, Philadelphia, \$2,747,000.

**Residence**, Haddonfield, N. J. Architect, Wm. C. Pritchett, 416 Walnut street, Philadelphia. Owner's name withheld. Frame and stucco, 2½ stories, shingle roof, hot water heating, electric lighting, hardwood floors. Plans in progress.

**Jail and Warden's House**, Toms River, N. J. Architect, T. Stephen, Temple Building, Camden, N. J. Owners, Ocean County Board of Freeholders, Toms River, N. J. Stone, stucco and hollow tile, 2 and 2½ stories, 28x40 feet and 35x36 feet, slag roof, hardwood floors, electric light, steel cells, reinforced ceiling and floors in jail, roof ventilators, metal window guards, hollow metal doors, iron stairs. Architect taking bids, due August 26th. Le Roy J. Hutchinson, Pine Beach, N. J., and American Const. Co., Toms River, N. J., are figuring.

**Theatre**, Woodbury, N. J. Architects, Hoffman Henon, Inc., Finance Building, Philadel-



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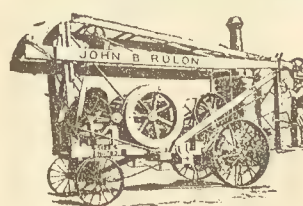
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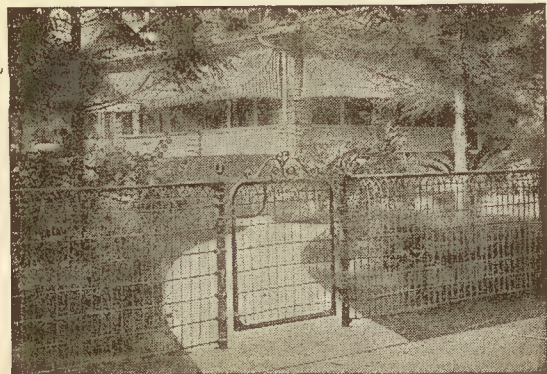
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phia. Owner's name withheld. Plans in progress. Too early for details.

**Bungalows (25)**, Ocean City, N. J., \$3,000 to \$4,000. Architect, H. E. Wendell, 427 Asbury avenue, Ocean City, N. J. Owner, J. M. Rowland, Ocean City, N. J. Frame and stucco, 1 story, 24x42 feet, shingle roof, concrete foundations, gas and electric lighting, painting. Owner will build and is taking sub-bids.

**Apartment Building**, Atlantic avenue, Ocean City, N. J., \$20,000. Architect, H. E. Wendell, 427 Asbury avenue, Ocean City, N. J. Owner's name withheld. Brick, 2 stories, 28x126 feet, 42 rooms, slag roof, electric lighting, gas lighting, plumbing, hot water heat. Plans in progress. Owner will take bids.

**Apartment Buildings (2)**, Ocean City, N. J., \$6,000 each. Architect, H. E. Wendell, 427 Asbury avenue, Ocean City, N. J. Owner's name withheld. Frame and brick, 2½ stories, 24x46 feet, shingle roof, 18 rooms. Plans in progress. Owner will take sub-bids.

**Bungalow**, Riverton, N. J. Architect, H. E. Wendell, 427 Asbury avenue, Ocean City, N. J. Owner's name withheld. Brick, frame and stucco, 1 story, 25x54 feet, shingle roof, hot water heating. Plans in progress.

**Residences (30)**, Wellwood Park, Merchantville, N. J., \$3,500 to \$7,000. Architect, H. E. Wendell, 427 Asbury avenue, Ocean City, N. J. Owners, Home Bungalow and Cottage Corp., and Title Building, Philadelphia. Brick, stucco and frame, various styles and sizes, gas and electric lighting, shingle and slate roofs, pipeless heaters. Builder, E. M. Kent, Merchantville, N. J., is taking sub-bids on first lot. Plans in progress for remainder.

**Hotel**, Ocean City, N. J., \$500,000. Owners, Ocean City Hotel Co., care of Building Committee, Joseph M. Rowland, Joseph G. Champion and Harry Headley, all of Ocean City, N. J. Steel, concrete and brick, 200 rooms and 200 baths. Competitive plans being received from H. E. Wendell, Ocean City, N. J., and V. B. Smith, Atlantic City, N. J.

**Garage**, Ocean City, N. J., \$10,000. Architect, H. E. Wendell, 427 Asbury avenue, Ocean City, N. J. Owner's name withheld. Brick and concrete, 72x100 feet, slag roof. Plans in progress.

**Church (alts. and add.)**, Perth Amboy, N. J. Architects, Fowler & Seaman, Broad St. Bank Building, Trenton, N. J. Owner, St. Peter's Church, Perth Amboy, N. J. Brick and cut stone, 1 story, 38x98 feet, add. 19x22 feet, slate roof, wood floors, steam heat, electric lighting, open timber roof, caen stone interior, stained glass windows, heating system alterations, oak pulpit. Architect will take bids in a few days.

**Community Garage**, Trenton, N. J. Architect, Fowler & Seaman, Broad St. Bank Building, Trenton, N. J. Owner, E. F. Allfather, care of architect. Brick, cement block and hollow tile, 1 story, 54x64 feet, slag roof, cement floors, concrete foundations, electric light. Architect taking bids due Aug. 18th. C. J. Smith, J. T. Ferriott, J. Dragan, Jackson ros., H. Reed, S. Willey, C. H. Randall, C. Y. Barlow and T. M. Englehart, of Trenton, N. J., are figuring.

**Residence and Garage**, Greenwood avenue, Trenton, N. J. Architect, William Slack, St. Regis Theatre Building, Trenton, N. J. Owner, Leo Salamandra, Chestnut avenue, Trenton, N. J. Brick, 2½ stories, 30x40 feet, and kitchen add. stone foundation, hot water heat, electric light, tile work, hardwood floors, slate roof. Architect taking bids due Aug. 14th. Burton & Burton, W. R. Ivins, J. H. Clayton, E. C. Smith and Russo and Hill, of Trenton, N. J., are figuring.

**Hotel**, West State and Willow streets, Trenton, N. J., \$1,200,000. Architects, Esenwein, Johnson, Buffalo, N. Y. Associate architects, J. O. Hunt and W. A. Kleman, Trenton, N. J. Owners, Hotel Realty Co., care of L. L. Woodward Co., Trenton, N. J. Brick, concrete and

steel, 12 stories, 100x214 feet, steam heating, composition roof, concrete foundations, electric lighting, tile, marble and terrazzo work, hollow metal sash and skylights, fire and kalamein doors, fire escapes, iron stairs, (6) elevators, roof ventilators, metal window guards, metal weather strips, metal ceilings, waterproofing, dampproofing, wire work, ornamental iron work. Architect ready for bids due September 3rd. Deposit, \$50.

**School**, Maple Shade, N. J. Architect, William Copeland Furber, 418 Walnut street, Philadelphia. Owner, Board of Education, Chester Township, N. J. Brick, 2 stories and basement, stone foundations, 62x115 feet, slag roof, maple and reinforced concrete floors, blower system steam heat, electric lighting, mill work, metal lath, slate work, reinforced concrete stairs. Owners taking bids due Aug. 18th. Geo. W. Shaner, Palmyra, N. J.; Geo. Bachmann, 30 North Nineteenth street, Camden, N. J.; Standard Const. Co., 1713 Sansom street; Bowden Const. Co., 1713 Sansom street; Wills-Ludwick Co., 1708 Sansom street, and J. S. Rogers Co., Drexel Building, Philadelphia, are figuring.

## New Jersey Contracts Awarded

**Factory**, Camden, N. J. Architect, Jacob Orie Clarke, Franklin Building, Philadelphia. Owners, MacAndrews & Forbes, Jefferson avenue and Third street, Camden, N. J. Brick, concrete and steel, 1 story, 70x180 feet, slag roof, spruce or oak floors, stone foundations, rolled steel sash, iron work, hardware, painting, glazing and sheet metal work. Contract awarded to Barclay White & Co., Sansom st., Philadelphia.

**Bungalows (Garages attached)**, Stenton Place, Ocean City, N. J. Architect, H. E. Wendell, 427 Asbury avenue, Ocean City, N. J., approximately \$4,000 each. Owners, Miller & Chester, care of J. M. Chester, Ocean City, N. J. Frame and stucco, 1 story, 24x42 feet, 8 rooms, shingle roof, concrete foundations, combination lighting, painting. Contracts for 8 awarded to Jos. G. Champion, Ocean City, N. J. Contracts for 6 awarded to English & Steelam, Ocean City, N. J. Contracts for 4 awarded to H. Pontiere, Ocean City, N. J. Contracts for 4 awarded to C. Biddle, Gloucester, N. J. Operation of 30 to 50. Others will be awarded later.

**Dwellings (4)**, Cook avenue, Trenton, N. J., \$14,000. Architect, private plans. Owners, Greenwood Realty Co., Trenton, N. J. Brick, 2½ stories, slate roof, pine floors, steam heat, electric lighting. Contract awarded to James Birks, Trenton, N. J.

**Residences (4)**, Greenwood avenue, Trenton, N. J., \$12,000. Architect, private plans. Owner, Samuel Hilton, Trenton, N. J. Brick and frame, 2 stories, slate roof, concrete foundations, steam heat, electric lighting, pine floors. Contract awarded to A. J. Reardon, Trenton, N. J.

**Factory**, Stuyvesant avenue, Trenton, N. J., \$10,000. Architect, private plans. Owner, Charles W. Carlls Son, on premises. Brick and steel, 1 story, slag roof, pine floors, electric light. Contract awarded to James H. Morris Co., Broad St. Bank Building, Trenton, N. J.

**Church (alts.)**, Cass and Adeline streets, Trenton, N. J., \$9,000. Architect, private

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plans. Owners, Church of the Holy Cross, Trenton, N. J. General interior alterations. Contract awarded to Demson & Hardy, Trenton, N. J.

## Delaware Construction News

**Church**, Twenty-second and Boulevard, Wilmington, Del., \$30,000. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, McCabe Memorial Church, care of Rev. E. C. Williams, 703 W. Twentieth street, Wilmington, Del. Stone, 1 story and basement, 53x65 feet, stone foundations, slate roof, hardwood floors, electric light, tile work. Plans in progress.

**Garage**, Twenty-eighth and Market streets, Wilmington, Del. Architect, E. L. Rice, 815 Market street, Wilmington, Del. Owner, Roy L. Keane, 625 West Fourth street, Wilmington, Del. Brick, 1 story, 46x132 feet, stone foundations, slag roof, concrete and pine floors, steam heat, electric light, hollow metal skylights, roof ventilators. Architect taking bids.

**Bungalow**, Twenty-seventh and Boulevard, Wilmington, Del., \$25,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Thomas Mullin, Sixth and Market streets, Wilmington, Del. Brick, 2 stories, 30x45 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Architect will take bids in one week.

**House (add. and alts.), to Apartment**, 1505 Penn avenue, Wilmington, Del. Architect, E. L. Rice, 815 Market street, Wilmington, Del. Owner, Mrs. Loebers, on premises. Brick, 2 stories, 14x16 feet, 6x15 feet, tin roof, hardwood and pine floors. S. E. Tarbutton, Wilmington, Del., low bidder.

**Garage (add.)**, Eleventh and Broome streets, Wilmington, Del. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, H. Fletcher Brown, on premises. Brick, 1-story addition, slag roof, cement floor. Architect taking bids, due as soon as possible. Milton W. Young, Overbrook, Pa.; Chas. Johnson & Son, and W. D. Haddock & Co., both of Wilmington, Del., are figuring.

## Delaware Contracts Awarded

**Church**, Sixth and Washington streets, Wilmington, Del. Architect, W. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owners, Baptist Church, care of architect. Brick, 1 story and basement, 34x55 feet, slate roof, hardwood floors, pipeless heater, electric light. Contract awarded to Mr. Spires, Wilmington, Del.

**Storage House**, 232-34 Maryland avenue, Wilmington, Del., \$4,700. Architect, private plans. Owner, Stanley Sobosinski, Beech and Franklin streets, Wilmington, Del. Brick, 2 stories, 31x100 feet, slag roof, concrete floors. Contract awarded to Martin Tenczyk, 431 South Broome street, Wilmington, Del.

**School**, Tower Road, Wilmington, Del., \$337,280. Architects, Brown & Whiteside, Du Pont Building, Wilmington, Del. Owners, Tower Hill School Association, Wilmington, Del. Brick and stone, 2 stories and basement, 227 feet 4 inchesx260 feet 3 inches, concrete foundation, slate roof, hardwood floors, electric

light, tile work, hollow metal skylights, roof ventilators. Contract awarded to James Stewart & Co., Seventeenth and Tower Road, Wilmington, Del.

**Dwelling**, Concord avenue, Wilmington, Del., \$8,000. Architect, private plans. Owners, A. C. & J. R. Fresch, 2504 Harrison street, Wilmington, Del. Brick, 2½ stories, 25x30 feet, slate roof, hardwood floors, electric light, tile work. Owners will build.

**Store**, 300 West Twenty-third street, Wilmington, Del., \$9,900. Architect, private plans. Owner, Harry Rutter, Wilmington, Del. Brick, 2 stories, 30x60 feet, slate roof, pine floors, electric light, tile work. Contract awarded to C. H. Tindal & Son, 604 Tatnall street, Wilmington, Del.

**Garage**, Genyer avenue, Wilmington, Del., \$28,000. Architect, private plans. Owner, W. W. & J. Jackson, Wilmington, Del. Brick, 2 stories, 86x90 feet, cement floors, electric light. Contract awarded to J. F. Owens, 2503 Market street, Wilmington, Del.

**Residence**, Grant avenue, Wilmington, Del. Architect, E. C. May, Du Pont Building, Wilmington, Del. Owner, H. S. Schutt, Seventeenth street, Wilmington, Del. Stone and stucco, 2½ stories, 44x28 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to Haddock & Co., Wilmington, Del.

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## Miscellaneous Construction News

**Store (alts.)**, 703-05 South Broadway, Baltimore, Md. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, Henry Waldorf, on premises. General alterations, new front, etc. Architect is taking sub-bids.

**Stores (alts. and add.)**, 523-25 South Broadway, Baltimore, Md. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, Louis Cohen, on premises. General interior and exterior alterations and addition. Architect is taking sub-bids.

**Residence**, Bayside, Long Island, N. Y. Architect, H. E. Wendell, 427 Asbury avenue, Ocean City, N. J. Owner's name withheld. Frame and brick, slate roof, hot water heating, electric lighting, tile baths. Plans in progress. Architect will take bids.

**Residence**, Wilmington, Del., \$3,000. Architect, H. E. Wendell, 427 Asbury avenue, Ocean City, N. J. Owner, Frank Scobolati, Ocean City, N. J. Brick, 2 stories, tin roof, combination lighting. Owner will take sub-bids.

**Gun Emplacements (4), Sand Butt (1), Armor Plate Butts (3), etc.**, Aberdeen Proving Grounds, Md. Engineer, private plans. Owners, U. S. Government, care of Construction Officer, on premises. 3,000 feet railroad, 6,000 square yards concrete roads, traverses, pavements, drains, etc. Owners have received bids.

**Church**, Charlie Hope, Va. Architect, Charles W. Bolton & Sons, Witherspoon Building, Philadelphia. Owner, Reformed Church of Charlie

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Hope, Charlie Hope, Va. Frame, 1 story, shingle-roof. Plans in progress.

**Residence** (alt. and add.), Hudson, Ohio. Architect, Louis S. Adams, 1530 Walnut street, Philadelphia. Owner, Phila. Rubber Works Co., care of J. Kearsley Mitchell, president, Land Title Building, Philadelphia. General alterations and porch add., composition, oak and pine floors, plumbing, hot water heat, electric light, tile work, cabinet work, changing partitions. Plans completed. Architect ready for bids.

## Miscellaneous Contracts Awarded

**Oliver Chilled Plow Works**, Richmond, Va. Architect, Bernard H. Prack, Keystone Building, Pittsburgh, Pa. Owners, Oliver Chilled Plow Co., Richmond, Va. Concrete and steel, 3 stories, 90x125 feet, slag roof, concrete and composition floors, hollow tile, metal lath, concrete foundations, steam heat, electric lighting, rolled steel sash, fire doors. Contract awarded to Walkup Co., Richmond, Va.

**Utica State Hospital**, Marcy, N. Y. Architect, Lewis F. Pilcher, State Architect, Albany, N. Y. Owners, State Hospital Commissioners, Albany, N. Y. Brick and steel, 3 stories, 39x295 feet, 2 wings, 34x59 feet and 1 wing, 69x75 feet, and 3 stories, 40x320 feet, wing 36x83 feet, 40x76 feet, 36x83 feet, slate roof, pine and fireproof floors, metal lath, dampproofing, iron stairs, iron work, tile and marble work, concrete foundations (heat, lighting and plumbing reserved). Contract awarded to Warren-Moore Co., Colonial Trust Building, Philadelphia.

**Factory**, Thompson, Nelson avenue, Mount and Manly streets, Long Island City, N. Y., \$1,600,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, American Chicle Co., 19 West Forty-fourth street, New York City. Reinforced concrete and steel, 5 and 6 stories, 200x600 feet, composition roof, concrete floors, steam heating, electric lighting, tile work, rolled steel sash, fire doors, ornamental iron work, elevators. Contract awarded to Turner Const. Co., 242 Madison avenue, New York City.

**Residence**, Warwick, Md. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. Brick, stone and frame, 2½ stories, 40x28 feet, stone foundations, shingle roof, hardwood floors, hot water heat, electric light. Contract awarded to A. M. Strickland & Son, Elkton, Md.

## Proposals

### INVITATIONS FOR PROPOSALS.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., July 29, 1919. Sealed Proposals will be opened in this office at 3 P. M., August 19, 1919, for water supply connections at the United States Marine Hospital at New York, N. Y. (Stapleton), in accordance with specifications and drawings, copies of which may be had at this office or at the office of the Supervising Chief Engineer, Frank A. Lang, 731 Custom House, New York, N. Y., in the dis-

cretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., July 28, 1919. Sealed Proposals will be opened in this office at 3 P. M., September 10, 1919, for furnishing the labor required in the construction complete, with materials that will be furnished by the Government, of the United States Post Office at Douglas, Ga. Drawings and specifications may be obtained after August 13, 1919, from the Custodian of the site at Douglas, Ga., or at this office, in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

## Housing the Houseless.

(Continued from page 484.)

nomically he will get away with the work and make a good profit besides. But if his foreman is not onto his job, if he doesn't handle the man skillfully, or if he cuts up material to waste, dollars will slip away from his boss every day the job goes on and when he gets through he will find, most likely, that he has done all the work for the owner for nothing and made him a present of a few dollars beside.

In building a frame house the contractor should start with the lumber bill as the first place to save a few dollars by extra efficiency. Several busy contractors have made a saving of about fifty dollars on each small house by purchasing lumber in car load lots, delivered close to the building site, where the haul is short. At the same time they have succeeded in getting a better grade of lumber. One contractor I know of not only saved about a hundred dollars in this way, but he received from the owner a bonus besides for furnishing better lumber than the grade specified.

Contractors skillful enough to do it can usually save money by taking off their own lumber bill, instead of leaving it to the lumber dealer. They carefully figure every stick on the job, getting each as nearly the right length as possible, to avoid waste.

Did you ever see a pile of "scrap" lumber left over after a house was built? This is all waste, and the size of the pile determines the skill or lack of skill of the builder. When you see a house framed, however, and only enough scraps left over to build a good fire in the fireplace, it is going some. That builder is a crackerjack. He uses his head and will make a profit sure, if there is any profit in the job.

In spite of high prices the tendency in house building is to maintain the quality. Owners having seen the value of

well-built homes are loath to give up all the comforts they crave in the way of good plumbing and heating, carefully made mill work and a durable job of painting. So the builder is the man who is looked to when the job runs too high. He is expected to save the day by his extraordinary skill in keeping the price as low as possible without lowering the quality.

Hollow tile continues to be a popular material for homes, and builders are getting away with this enduring material at an economical price when architects have brains enough to design their hollow-tile houses with simple walls. Hollow tile can be laid in any fanciful shape, but there is no economy in doing so. For cheapness the sheets of hollow tile should be plain and the less bays and projections on a hollow tile building the more economical it is. The same also applies to hollow concrete blocks.

Usually these houses are plastered on the outside with cement-plaster and this appeals to the owner because a plaster house requires paint only on the trim; so he save enough every time the house is painted to offset the increased cost of plaster.

Brick veneer on hollow tile should be encouraged by builders because it makes a much better house than solid brick and its cost is, to say the least, no more than solid brick. As a matter of fact, in a well managed job, a hollow-tile brick-veneered wall may run less than solid brick in cost.

To save on labor run the face brick up a few courses ahead of the tile backing, and use wall-ties to unite facing and backing. Leave the ties sticking out; as each course of tile comes up to the right height the ties can be bent to catch the course at the right level.

When running a gang of masons, put your best and speediest men on the face work, because, of course, face work goes much slower than the tile backing. The latter fills up the wall quite rapidly owing to the size of the blocks. There is some psychology in keeping the facing well ahead of the backing; the effect of an unbacked wall on the tile layers spurs them on to work faster, so you get up a sort of competition between the front and back of the wall.

Many contractors employ the same men to back up a wall that they use to lay the face brick. This works all right when the men take hold well, but they should lay the back-up tile much faster than they lay face brick, and it is up to your foreman to see that they do.

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for the windows of a brick house those made of hollow tile, reinforced with concrete and steel rods are probably the most convenient to use. A quick and easy way to make the lintels is to stand a pile of tile on the ground end to end, pier fashion; place reinforcing rods, in what will eventually be the under-cells (when the lintel is in place on the wall), and then fill all the cells with concrete. Usually two rods are used except when the increased span requires more.

After the lintels are set perfectly hard, they are lifted in place on the wall like a slab of stone. This is just rough work but the lintels are excellent and cheap to build; probably cheaper than reinforced concrete lintels because no forms are required.

Often owners who want to save money without hurting the job can be talked into using brick sills in their brick houses, instead of cut-stone sills. Not only is a saving of material made, but often time is conserved when a job is in a hurry and there is no time to wait for cut stone.

In this case it pays to have your laborers pick out the good, straight brick from the pile for sills, and have them delivered on the scaffold right where the sill-builders can pick them up quickly and lay them right in place. It has also been found advantageous to break in one or two bricklayers on sills and let them lay all the sills on the job. There is no particular trick about it, but a man who has had experience in one line of work can usually do it better and faster than any other mechanic.

Considering brick work again, and facework in particular, nothing will lose money for a contractor faster than getting slow men on the corners (leads). No bricklayer in the middle of the wall is going to push the corner men and if the latter slow down the middle men will just naturally go a little slower also. To offset the extra care needed to get corners plumb and level and set the gauge properly for the balance of the wall requires mighty speedy and accurate bricklayers at these vulnerable points. As they have more puttering to do and yet must keep their leads well above the middle of the wall, haste is essential. Accuracy counts tremendously. Laborers should be required to keep the corners liberally supplied with material and your very best men should be given these positions.

When the boss goes on the job and finds several mechanics standing about waiting for others to complete a task or get out of the way, he is sure some-

thing is wrong with the machine. Men don't have to be shoved at top speed all the time to get a good day's work out of them, but they certainly should not be permitted to stand around and wait for anything. No matter what building operation is going on a mechanic standing idle is a mechanic too many on that particular job; he should be transferred to some other part of the work where he will have plenty of room to keep busy.

Lots of money is lost by having too many men on a job. There should be just enough to do the job speedily. Any excess over this is waste. If two men can carry a plank you should not permit four men, and if one man can carry it don't use two.

There are many chances for leaks in house building. Houses are small and the work is more puttering than in commercial buildings, flat buildings or stores. But you must look out and not let your men putter over trivial work. Even though honestly trying to do the job in your interests to best advantage, men often lose time for their employer simply because they don't use their heads.

If you go on a job and find your foreman standing around watching the men work, he isn't the man for the job. A foreman, when he isn't measuring or planning ahead, should be right at work with his men. There is no more important man on the job, and no man who has more to do, or who should keep more busy.—*National Builder*.

People who want to buy things do not catch the seller, chloroform him and cram the orders into his pocket.

Advertising is the proper education of the public as to where the thing can be found, and therefore it is a necessity.

We are parts and particles of each other, but a little of the kindly glue of human brotherhood is needed to fasten us together. The policeman who keeps the crossing clear, and at the same time informs us as to the location of the post office and the First National Bank, no doubt is, in one sense, an economic waste. On the other hand, he is an economic necessity. He is a necessary middleman.

He relieves the congestion of traffic and granting the hypothesis that he does not misdirect us as to the location of the post office, he speeds us on our way.

The man with an order to place doesn't hunt you up in the city directory these days. He hasn't the time. If he can't find you in your trade magazine he can and does find somebody else, and that somebody else books the order.

## DUCK SHOOTING and COMMON SENSE

When you buy space you buy it with the expectation of getting a reasonable return on your investment. Sure you do. Now where do you stand the best chance of getting that return—in the daily newspaper, whose circulation is confined largely to people with no interest in your product, or in the trade paper, every copy of which goes to a reader directly interested and likely at any minute to need your goods?

If your hobby is large circulation, you will spend your money in the daily—but before you take this step suppose you pause long enough to figure just what percentage of the immense circulation, for which you will pay a fancy rate, is going to go where there is so much as an off-chance of it doing you any real good. FROM THE ANGLE OF THE MAN WHO HAS BUILDING MATERIAL TO SELL, FULLY NINETY PER CENT. OF THE SWOLLEN CIRCULATION OF THE DAILY NEWSPAPER REPRESENTS WASTED AMMUNITION. It is going to readers who are not interested in building material, and are not likely even in a remote sense ever to build or have building done.

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In the daily you stand an off-chance in a thousand of accidentally hitting the eye of some fellow with an interest in your line. In the trade papers, such as the Guide, you bang into a colony of readers who are interested in building above all other human activities.

The moral is—when you go duck shooting do your shooting where you know the ducks to be!

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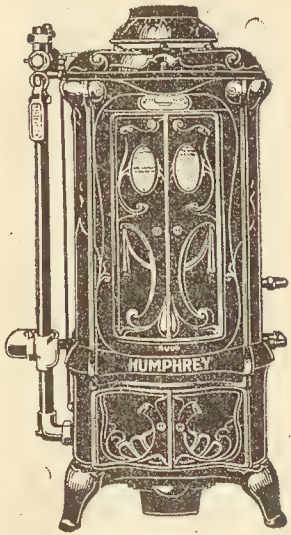
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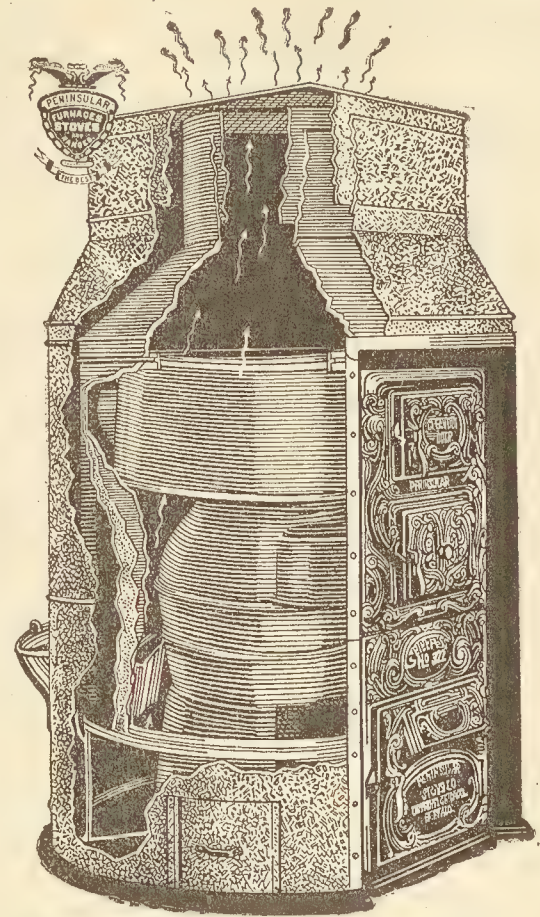


At one-tenth cent per gallon you get hot water in unlimited quantities. Installation of our water heater means the utmost in convenience and economy to the owner.

That means the utmost in reputation and prestige for the architect or builder who installs Humphrey Heaters.

### GARFIELD W. DAVIS

18 S. 7th STREET, PHILADELPHIA



### OUR PIPELESS FURNACE

possesses every feature of the ordinary furnace plus seven exclusive features which mean more coal saved, less work and far more convenience for the user. Write for our catalogue today.

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The Kind That Lasts

**Carter Concrete** PAVEMENTS, FLOORS, CONSTRUCTION—BUILT BY SPECIALISTS SINCE 1888—BUILT TO PREVENT CRACKING, CRUMBLING and DECAY—BUILT TO LAST.

ORIGINAL COST OF **Carter Concrete** LOW—UPKEEP COST NEGLIGIBLE.

SPECIALISTS IN CONCRETE ROADWAYS

*One of our Engineers will help you in Concrete Problems and gladly give you an Estimate.*

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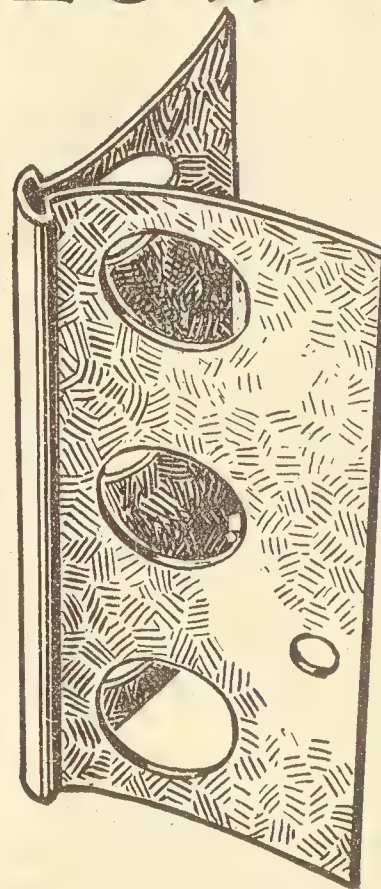
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The cost of  
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## CORNER BEADS

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Samples and Prices  
on request



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1345 Arch Street, Phila.

Bell Phone, Locust 3924

Keystone, Race 4434



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Tapestry, Face, Common Paving)

O. W. Ketcham.....Builders' Exchange, Phila.  
John S. E. Pardee & Co.....Heed Bldg., Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.  
Samuel H. French & Co.....4th and York sts., Phila.  
F. C. Lotz's Sons, American and Dauphin sts.,

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.  
Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

F. C. Lotz's Sons, American and Dauphin sts.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.  
Petronite Mfg. Co.....531 N. 9th st., Phila.  
Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.  
Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Contractors' Equipment.

Service Equipment Co.....Bourse Bldg., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

General Fireproofing Co. 512 Bulletin Bldg., Phila.  
Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.

McCalla Co., The Harold... 531 N. 4th st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truscon Steel Co....Commonwealth Bldg., Phila.

## Floor Plates.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.  
Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co. 1332 Arch st., Phila.

## Gas Water Heaters.

Apeldorn & Beatty Co.... 155 N. 9th st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.  
Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co., 927 N. 9th st.  
Richardson and Boynton Co. 1332 Arch st., Phila.

## Hollow Tile.

O. W. Ketcham.....Builders' Exchange, Phila.

## Insurance.

Harris J. Latta.....Pennsylvania Bldg., Phila.  
Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.  
Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Iron and Steel Bars and Plates.

Alan Wood Iron & Steel Co. Widener Bldg., Phila.  
McCalla Co., The Harold... 531 N. 4th st., Phila.  
Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.  
Morris Wheeler & Co. 30th and Locust sts., Phila.

## Levels.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Light Iron Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lumber.

Jas. M. Irwin & Co.....973 Beach st., Phila.  
Janney Lumber Co. .... 1147 Beach st., Phila.  
Wm. Lloyd Co..... 29th and Ridge ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.  
Italian Marble Mosaic Co... 433 Spruce st., Phila.  
Roman-Cianci Co., Inc... 3428 Warren st., Phila.

## Metal Lath.

Audubon Wire Cloth Co., Inc.... Audubon, N. J.  
General Fireproofing Co. 512 Bulletin Bldg., Phila.  
McCalla Co., The Harold... 531 N. 4th st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truscon Steel Co....Commonwealth Bldg., Phila.

## Metal Lath Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Metal Tiles and Shingles.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Meters.

Philadelphia Meter Co.,  
Real Estate Trust Bldg., Phila.

## Mill Supplies.

The Fairbanks Co.....7th and Arch sts., Phila.

## Paints and Varnishes.

The Barrett Company, New York and Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

## Paving Bricks.

O. W. Ketcham.....Builders' Exchange, Phila.  
John S. E. Pardee & Co.....Heed Bldg., Phila.

## Pipe Fittings and Valves.

The Fairbanks Co.....7th and Arch sts., Phila.

## Plumbing Fixtures.

Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co., 927 N. 9th st.,  
Joseph Vogel Co.....Wilmington, Del.

## Preservatives (Wood and Concrete).

The Barrett Co.....New York City and Phila.

## Ranges.

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Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co. 1332 Arch st., Phila.

## Refrigerators.

## Reinforcing Bars.

Morris Wheeler & Co. 30th and Locust sts., Phila.  
Truscon Steel Co....Commonwealth Bldg., Phila.

## Roofing.

The Barrett Co.....New York City and Phila.

## Roofing Tile.

O. W. Ketcham.....Builders' Exchange, Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Roofing Tin.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Roofing Slate.

William Moore Co.....1506 Sansom st., Phila.

## Safety Guards.

Audubon Wire Cloth Co., Inc.... Audubon, N. J.  
Kensington Metal Co.... 1612 N. 2nd st., Phila.

## Sand.

Sidney Silica Sand Co... 611 Widener Bldg., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

## Screens.

Thos. J. Malia.....141 Wentz st., Phila.

## Sewer Pipe.

Wm. H. Clausen.....27th and Diamond sts., Phila.

## Steam Specialties.

Apeldorn & Beatty Co.....155 N. 9th st., Phila.

## Slate.

William Moore Co.....1506 Sansom st., Phila.

## Soundings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Structural Slate.

William Moore Co.....1506 Sansom st., Phila.

## Structural Steel.

McCalla Co., The Harold... 531 N. 4th st., Phila.  
Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.  
Morris Wheeler & Co. 30th and Locust sts., Phila.

## Surety Bonds.

Harris J. Latta.....Pennsylvania Bldg., Phila.  
Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.

Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Tile and Terrazzo Work.

Belfi Bros. & Co.....1923 Market st., Phila.

French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

Italian Marble Mosaic Co... 433 Spruce st., Phila.  
Petronite Mfg. Co. .... 531 N. 9th st., Phila.

Roman Mosaic & Tile Co... 435 Green st., Phila.  
William Moore Co.....1506 Sansom st., Phila.

## Tiling.

William Moore Co.....1506 Sansom st., Phila.

## Transits.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Ventilators.

Merchant & Evans Co., 2035 Washington ave.

## Water Heaters.

Garfield S. Davis.....34 S. 17th st., Phila.

## Water Paint.

Wm. B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Waterproofing.

The Barrett Co.....New York City and Phila.

## Water Supply.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Weather Strip (Metal).

American Metal Weather Strip,  
2118 Diamond st., Phila.

Thos. J. Malia.....141 Wentz st., Phila.

## Wheelbarrows.

The Fairbanks Co.....7th and Arch sts., Phila.

## Wire Work.

Audubon Wire Cloth Co., Inc.... Audubon, N. J.  
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1919



# Insurance Company of NORTH AMERICA

PHILADELPHIA

## ASSETS

|                                      |                 |
|--------------------------------------|-----------------|
| Bonds and Stocks.....                | \$24,280,745.19 |
| Cash in Banks.....                   | 2,395,335.33    |
| Premiums in course of transmission.. | 3,203,681.96    |
| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

## LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

Total Liabilities ..... \$30,801,413.40

Surplus to Policyholders..... \$ 12,922,516.93  
Losses paid since organization 203,147,689.78

### The Oldest American Stock Insurance Company

Fire Insurance  
Tornado  
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Explosion  
Inland Transit  
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Are you familiar with the economy features of these materials? If not let us supply you with details and quote you on your requirements.

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512 BULLETIN BUILDING

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Prompt Deliveries from our Philadelphia Warehouse

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To be assured of prompt deliveries of the best grades of

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on YOUR heating or cooking appliance is OUR guarantee that HONEST VALUE is beneath the name plate.

Since 1878 right here in Philadelphia, we have specialized in supplying dependable and up-to-date heating and cooking appliances.

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Large and complete stocks in our warehouse insure speedy service.

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Warm Air  
Heaters



Steam and  
Water Boilers



Coal and  
Combination  
Ranges



Gas Ranges



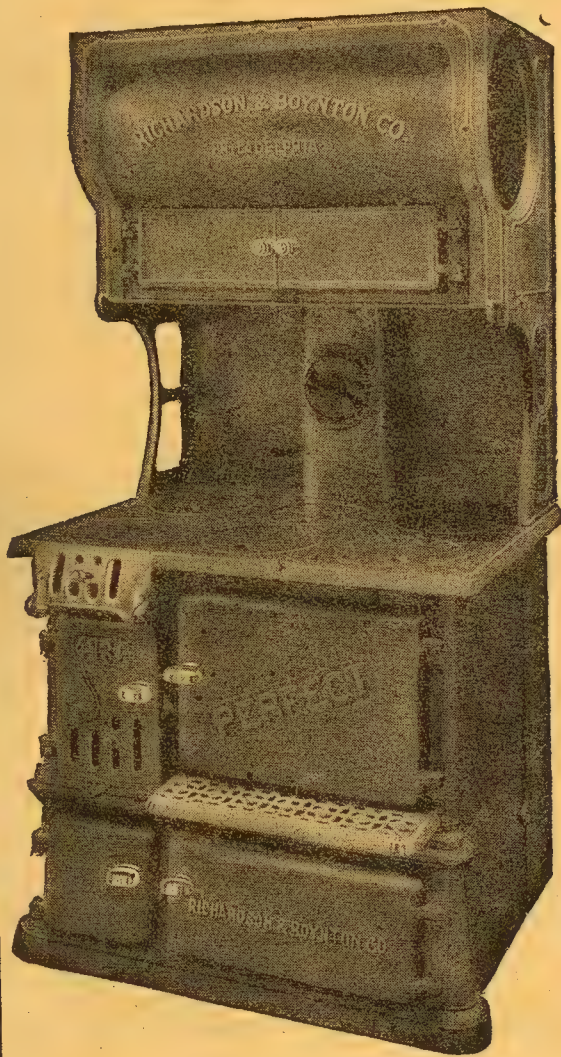
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 34  
Augus 20, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

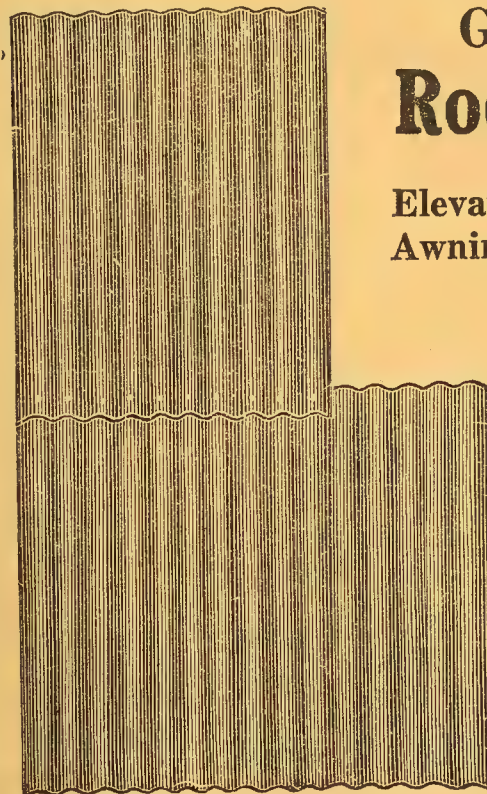
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Order is Received**

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**RICHARDSON Products**

Public Showroom:  
**1332 Arch St., Philadelphia**



## Galvanized Corrugated Roofing and Siding

FOR

Elevator Shafts, Outhouses, Sheds,  
Awnings, and many other Structures.

Unsurpassed for Moderate Cost, Effective  
Service and Protection from Fire and Storm

## Roofers Supplies

Conductor Pipes and Elbows,  
Eaves Trough, Mitres, Outlets,  
Finials, Spoutheads, Nails,  
Wire, Hoops, Bars, Angles,  
Cornice Brakes, Etc.

"Merchant's Metal Tiles and Shingles"  
A Stylish and Durable form of Roofing

ASK DEPARTMENT 20  
FOR ESTIMATE

**MERCHANT & EVANS CO.**

NEW YORK PHILADELPHIA WHEELING  
BALTIMORE ATLANTA CHICAGO  
CLEVELAND ST. LOUIS  
KANSAS CITY



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**LEHIGH PORTLAND  
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NEW YORK, N.Y. KANSAS CITY, MO. OMAHA, NEB.  
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liveries from our large Phila-  
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Mesh Lath, High Rib and Rib Lath,  
Corner Bead and Curb Bars.

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Formerly TRUSSED CONCRETE STEEL COMPANY

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MANUFACTURERS OF  
ART MARBLE MOSAICS  
TERRAZZO, CERAMICS, & C.  
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TILES MANTLES  
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Branch Office: Allentown, Pa.  
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| Stone | Bar Sand  | Jersey Gravel  | Pebbles       |
| Slag  | Slag Grit | Pebble Grit    | Stone Grit    |

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American and Dauphin Streets  
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Philadelphia



Why Waste Valuable Time Levelling up Your Work?

Insure the accuracy of your lines, grades, levels and angles by using a  
"Sterling" Convertible Builders' Level

Our latest Model No. 55 possesses time-saving features worthy of your investigation. In these days when time is money, it will pay big dividends on its cost.

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Transits  
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And the right kind of Service. Get our Prices before  
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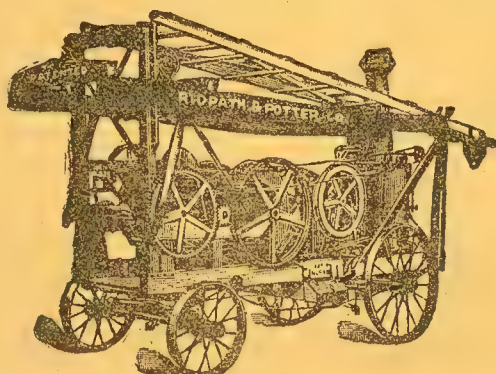
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Welded      Formed

## Iron and Steel

of every description

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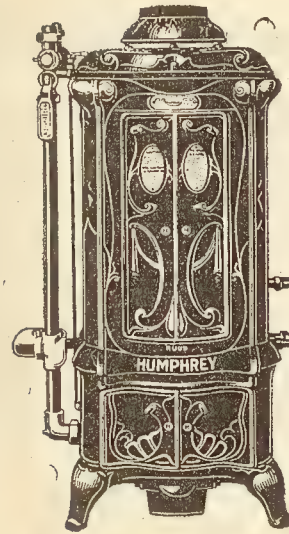
#### WAREHOUSES:

444-48 Fairmount Avenue,  
438-40 Brown Street,

1911-13 N. Second Street,  
531-33 N. Fourth Street.

## HUMPHREY

AUTOMATIC GAS WATER HEATER



At one-tenth cent per gallon you get hot water in unlimited quantities. Installation of our water heater means the utmost in convenience and economy to the owner.

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Immediate Deliveries  
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A complete range of colors. Manufactured of vitrifying shale and fire clay. Our prices defy competition.

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All Shale Bricks in carload lots, delivered on job at competitive prices. We are shipping 200,000 bricks daily to 28 building operations.

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Standard specification pavers at lowest market price.

Sole Representative of Mack & Pennsylvania Clay Works

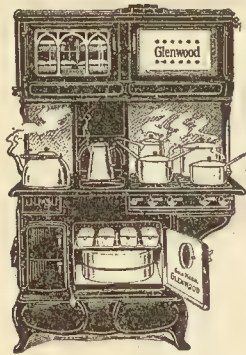
JOHN S. E. PARDEE & CO.

514-32-33-34 Heed Bldg.

Philadelphia

PHONES—Locust 7525  
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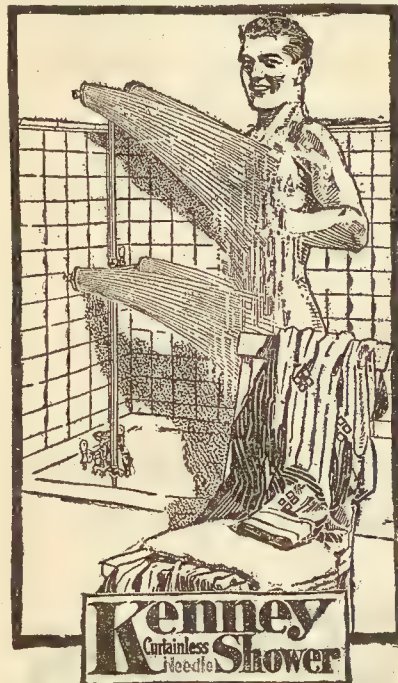


## Henry M. Miller

### GOLD MEDAL GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges  
Seamless Porcelain Lined Refrigerators

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Will make your daily bath quick, sanitary and invigorating. Stop bathing in the tub—getting out of water filled with impurities. Use the Kenney Shower and the last drop will be as clean as the first.

NO CURTAIN—NO SPLASH

The water hugs the body. Will not splash outside of tub. No curtain to keep clean. Fits any bath tub. Anyone can attach it.

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\$7.50 \$15.00

See Running Water Display

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Display Rooms

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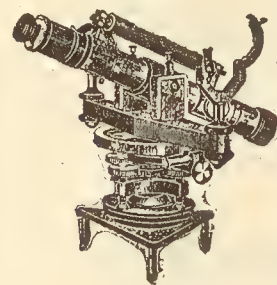
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*Because* the Woodoleum Manufacturing Company is the pioneer in this line of floor covering.

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# BUILDERS' GUIDE

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Engineering and the Building Trades

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## BUILDERS' GUIDE

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## As The Editor Sees It



**F**ORCEFUL and timely are the remarks addressed to us by one of our subscribers, Mr. Frederick E. Mayer of The D'Ascenzo Studios. Mr. Mayer's views on the high cost of living caused by land speculation are commendable and he has very clearly directed attention to a condition in this country which has been lightly touched by the press. As land values are considered carefully before sites are chosen for buildings, we appropriately and cheerfully reproduce Mr. Mayer's letter:  
August 9, 1919.

Editor Builders Guide,  
Perry Building,  
Philadelphia, Pa.

Gentlemen:—

I have just read an article in the BUILDER'S GUIDE, in which you quote resolutions adopted by the Board of Directors of the National Association of Manufacturers, bearing upon the question of "oppressive and economically unjustified living conditions."

We are all anxious to find an immediate, effective and just solution of this grave problem, and much time is being devoted to the public discussion of the question, but nowhere does the writer find reference to the very obvious relation of land speculation to the high cost of living.

Neither in the reports of Congressional activity, nor in the resolutions of business and financial associations, nor in the editorial discussion of the Press, do we find reference to this phase of the prob-

lem. "Profiteers" in commodities are damned from Maine to California, but not one word do we hear of the "profiteer in land, the source from which all commodities must be derived.

In Philadelphia we have witnessed the remarkable spectacle of patriotic citizens being driven from pillar to post, because of the mad scramble for speculative profits in real estate. May I be permitted to state here the self-evident proposition that if all idle building sites and unimproved properties were taxed up to their full rental value, the scramble for more speculative profits would end at once, because it would be unprofitable to hold such realty out of use.

A certain degree of *deflation* would be apparent before many days had elapsed, and the housing problem would soon be in a fair way of adjusting itself to the satisfaction of all but the land speculator.

The architect is ready to design houses, the builder is ready to build, and has the money to back up his enterprise, but the speculator refuses to quit except on his own selfish and prohibitive terms.

It is but a step further to demonstrate that if idle coal lands, timber lands, ore deposits and other natural resources are held out of use, it becomes possible for the profiteer to screw up prices to the limit of endurance.

The writer has always enjoyed your thoughtful articles, and is in thorough accord with your concluding sentence, which reads as follows:

"With labor high, the only way to reduce manufacturing costs is by the further development of machinery and increased efficiency in manufacturing methods."

I would add, however, that in order to retain to all of us the benefits accruing from increased efficiency, it will be necessary to stop land speculation by imposing a tax upon ground rent.

If we do not divert into the public treasury the land values created by all of us, the land monopolist will absorb any benefits that may come through increased efficiency, and conditions are bound to remain unsatisfactory.

Trusting you will find space in your columns for the enclosed, I am

Very truly yours,

FREDERICK E. MAYER.

\* \* \*

Sir Edwin Lutyens, the distinguished British architect, was interviewed recently by the *Cape Town Times*, on subjects which are always vitally interesting to the profession throughout the world. In regard to registration, Sir Edwin is quoted in *The Architect and Engineer* as saying:

"Registration for architects in Cape Town would assuredly toll their knell. They are in no way mobilized," he said, "and are professionally little more than Irish peasants. The Victorian Age and the Ruskin Glossary have destroyed practically all tradition.

"The position of the engineers who are true to their craft and within their

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craft eschew sentiment, is, as compared with architects, head and shoulders above them in the practical esteem of public opinion.

"Registration can but, at its best, standardize what in reality is worst in our great art. How many living architects are there today who can couple the Doric order *qua* design? Look around your town and see for yourself. I am tired of the excuse: 'You must remember we are in a new country'—just as tired as one gets in an old one of its inversion.

"In a new country you have a new field. You may not have craftsmen, but fine architecture does not depend upon craftsmanship—indispensable to its greatest achievements—but in herself is beyond them all.

"Look at your Dutch Reformed Church in Adderley street, and do not omit to observe the model of the roof construction, and yet Cape Colony was a bit newer even then; or again, in another branch, the pediment and true architectural intention of Groote Constantia.

"When you have educated your patrons by first being educated yourself, it is they that should insist on registration.

"A present-day architect is little more than a tailor—he has to fit his patron, and they refused to register tailors. Norman Shaw's criticism of the R. I. B. A. was that it was an institute of architects and not of architecture. What would be our position as artists when every builder, decorator, plumber, and undertaker is, as he will have to be, registered as a member of the great art of architecture?

"Great architecture is God-given. Do not let us dam any stream that feeds the flow of its possibilities. Don't let hymns and such-like phraseologies ambush your path to honor."

In answer to the second question, Sir Edwin replied that "the only chance for styles was that all architects should work together to one end and purpose. That does not mean that we can make no progress or change, but change must come collectively with a fine collegiate endeavor. Engineers beat us as a whole in efficiency and practice. We come in with an apology for 'art,' which profession is knocked out with the first breath of adornment, whereby we capitulate our sincerity. Americans says, 'Our houses are Queen Anne in front and Mary Ann behind!' A taunt so bitterly true that one despairs. You cannot say that of engineers; they are Mary Ann throughout—honorable, but regrettable. The Frenchman says of the Englishman's work that the buildings reminds him of those warning notices displayed

in public places with regard to gentlemen's dress—this in reference to our national carelessness when we come to plumbing in the area of fine design. We cannot reject the great laws, derived from patient observation, and the works of masters. The suave and rigid beauty of the great Greek, falling to culmination in the Pantheon in Rome, and again in Chatres in France. The beauties of Chatres and of the Pantheon—or the Parthenon—lie not in the type, but in the matter expressed. They illustrate the sincerity of thoroughness in consistent achievement, not mere joy rides in approximating prettinesses: spaces embellished with a fine articulation and without hesitation or stammer.

"In regard to competitions," said Sir Edwin, "men in full practice are generally those who, rightly or wrongly, have earned a certain modicum of public confidence. These are they who will not compete. A young men sometimes gets his chance through this fluke of a competition, and he as often lives to regret

it. The waste of money and endeavor—the hidden client—why not straightway appoint the assessor? The acceptance of competition and its favor depend on the fact that the patrons acting in committee will not take the responsibility of selecting one man to deal with—as each individual member, as a gentleman, would in private life. In America the Institute describes it in their first axiom as unsatisfactory.

"The competition method exists because the older men—secure in their profession—are not generous enough in acclaiming the merit of their younger brothers. Aggrandisement and wealth are held in greater veneration than the future of the art they profess. The whole world is eccentric and requires conversion. Registration won't do this, I assure you. It is not fundamental enough; it is of the same seed as that which produces Bolshevism in labor. Competition among architects is a child born of distrust out of failure. Avoid it if you would have great architecture."

## MAKING HOTELS AND HOSPITALS QUIET PLACES

The patent office at Washington recently issued a patent to Mr. Hiram Percy Maxim, inventor of the Maxim silencer, on a noiseless hotel and hospital. The silencing method appears to be new and different from that used in the well-known silencer for guns. A "silencer" is utilized, however, and it is located upon the roof of the building to be made noiseless. The inventor claims it will cool silenced air in the summer, heat it in winter and free it from impurities.

The idea seems to be to modify from a noise standpoint the air entering the rooms of a building, just as the air entering rooms in the winter time is modified from a temperature standpoint, so as to make things comfortably warm. In the new patent hotel and hospital windows would be used for providing light and outlook only, while ventilation would be obtained from intakes much the same as windows, only being located in the blank partition walls.

In explaining the silencer, Mr. Maxim said that it consists of a number of annular compartments which provide a series of circular, endless passages, so that any sound waves entering become multiplied to an extent which brings them above the frequency of audible sound. In addition there is a non-reflective substance intended to quench all small noise vibrations which may be transmitted through the body of the silencing chambers. This construction is about the size

of a hogshead, and is put in place on the roof of the building which is to be made noiseless. The silencer will be made of sheet iron.

An improvement claimed for the new arrangement is that whereas windows opening upon most streets cannot avoid admitting dirt, dust and smoke and all manner of impurities along with the air, in the new construction, air admitted through the silencer located upon the roof and fitted with dirt collecting and cleansing devices, would be both pure and noiseless. The patent includes a method of cooling the silencer air in summer as well as heating it in winter. The cool and quiet hotel room in August in the cities, heretofore a dream of the future, may be an accomplished fact in a year or two if this latest Maxim invention works out in practice.

The new silencer cannot be made use of in existing buildings without serious modifications, because the ventilator ducts in the walls would be difficult to install. The chief use is expected to be in new hotels, hospitals and apartments where the desire is to supply every luxury that modern facilities can furnish. In hospitals in the large cities, where street noises are the source of added suffering and where they cannot be avoided, the new invention is thought to offer great improvement.—*The Architect and Engineer.*



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Residence and Garage (2)**, Lincoln Drive and Cliveden streets, Germantown. Architect, Mahlon H. Dickonson, 1705 Chestnut street, Philadelphia. Owner, Samuel Stern, Commonwealth Building, Philadelphia. Hollow tile and stucco, 2½ stories. Plans in progress.

**Residence and Garage**, Lincoln Drive and Cliveden streets, Germantown. Architect, Mahlon H. Dickinson, 1705 Chestnut street, Philadelphia. Owner, Samuel Stern, Commonwealth Building. Brick, 2½ stories, 26x42 feet, and 1 story, 18x20 feet, slate roof, oak floors, cement work, hot water heat, electric light, tile and marble work, stone foundations. Owner and architect taking sub-bids.

**Factory**, Fox and Toronto streets, Philadelphia. Architect, Horace Trumbauer, Land Title Building. Owner, Ridpath & Potter, Bourse Building, Philadelphia. Concrete and brick, 2 stories, 36x75 feet, slag roof, cement and maple floors, electric lighting, stone foundation, hollow metal sash, roof ventilators, iron work (heating reserved). Architect has received bids.

**Cafeteria (alts.)**, 30 South Fifteenth street, Philadelphia. Owner, Knickerbocker Cafeteria, on premises. Architect, J. Haggenbachum, 32 South Fifteenth street. Interior alterations. Architect has received bids.

**Building (alts.)**, 130 South Eighteenth street, Philadelphia. Architect, private plans. Owner, Paul Langner, 130 South Eighteenth street. Brick, 3 stories, brick and cement work, rolled steel skylights, plastering, painting, plumbing, roof repairs, oak floors, steam heat, electric light, tile work. Owner has received bids.

**Mill Building, Dye House, Boiler House and Office**, Philadelphia. Architect, Mahlon H. Dickinson, 1705 Chestnut street. Owner, name withheld. Reinforced concrete, 2 stories, 50x320 feet, slag roof, cement floors, steam heat, electric lighting, (2) elevators, rolled steel sash, sprinklers. Architect ready for bids in ten days.

**Residence and Garage**, Quincy and Carpenter streets. Architects, Druckenmiller & Williams, 1527 Chestnut street, Philadelphia. Owner, C. H. Thompson, Jr., Germantown. Stone, 2½ stories, 40x40 feet, 1 story, 12x22 feet, shingle roof, oak floors, hollow tile, stone foundations, vapor heat, electric lighting, tile and marble work, iron work, mill work, painting, plastering, plumbing. Architect has received bids.

**Dwellings (2)**, North side of Sentner, West of "G" street, \$4,050. Owner, Charles F. Reichert, 417 North Wellens avenue, Philadelphia. Frame, 1 story, 16x20 feet and 16x22 feet. Owner will build.

**Dwellings (5)**, South side of Hutchinson, North of Ruscomb street, \$21,000. Architect, private plans. Owners, W. Fishers Sons, Hutchinson and Ruscomb streets. Brick, 2 stories, 17x35 feet, slag roof, hot water heating. Owner will build.

**Dwellings (27)**, 4801-55 North Hutchinson street, \$122,200. Architect, private plans. Owner, Harry Gill, Jr., 2515 Germantown avenue. Brick, 2 stories, 15x42 feet and 15x32 feet, 11x10 feet, slag roof, hot water heating, electric lighting, tile and marble work, oak floors. Owner will build.

**Residence**, Southwest Corner Magnolia and Locust avenue, \$10,000. Architect, private plans. Owner, M. J. Wilson, Armat and Lena streets, Germantown. Stone, 3 stories, 17x30 feet, 17x13 feet, slate roof, hot water heating, electric lighting, tile and marble work. Owner will build.

**Residences (16)**, 1610-1640 Old Front street road, \$64,000. Architect, private plans. Owner, Eugene Raymond, 1416 South Penn Square, Philadelphia. Brick, 2 stories, 16x15 feet and 20x15½ feet, slate roof, hot water heating, electric lighting, oak floors, pine floors. Owner will build.

**Mill Building, Power House and Dye House**, Atlantic and "I" streets. Architect, Albert C. Wood, Stock Exchange Building, Philadelphia. Owners, Notaseme Hosiery Co., Oxford street and Mascher street. Reinforced concrete, brick and steel, 4 and 1 stories, built-up roof, maple and cement floors, concrete foundations, steam heat, electric lighting, rolled steel sash, elevators, roof ventilators. Engineer taking preliminary bids.

**Column Foundations (47) and Station Platforms and Shelters** at York, Dauphin streets and Girard avenue. Conts. Nos. 504 and 532. Architect, private plans. Owner, City of Philadelphia, Department of City Transit, 1211 Chestnut street. Reinforced-concrete, steel, steel sash, slag roof, copper drain gutters, etc. Owners taking bids due August 26th at noon. Deposit \$10.00.

**Residences (10)**, West side of Northeast Boulevard, North of Summerdale avenue, \$75,000. Architect, private plans. Owner, Harry R. Moyer, 2035 East Allegheny avenue, Philadelphia. Brick, 2 stories, 16½x34 feet, 20x14 feet, slag roof, hot water heat, electric light, oak floors. Owner will build.

**Residences (68)**, both side of Beaumont and Litchfield streets, between Sixty-second and Sixty-third streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Charles E. Biddle, 1105 Real Estate Trust Building, Philadelphia. Brick, 2 stories, 16x32 feet, slag roof, pine floors, hot water heat, combination lighting. Owner ready for sub-bids.

**Residence (alts. and add.)**, 6715 Emlen street, Philadelphia. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Henry T. Paiste, 6715 Emlen avenue. Stucco, 2½ stories, mill work, carpentry, tile work, parquet floors, plumbing, alts. to heating and electric work. Architect taking bids due as soon as possible. H. E. Baton, 1713 Sansom street; Tourison & Tourison, 1011 Chestnut street, and L. W. Kitselman,

125 East Upsal street, Germantown, are figuring.

**Garage and Service Station**, 2005-07 South Broad street, Philadelphia. Architect, Joseph F. Bradley, 40 North Thirty-eighth street, Philadelphia. Owner, Chevrolet Service Station, care of architect. Brick and concrete, 1 story, 40x150 feet, slag roof, cement and maple floors, hot water heat, electric light, tile work, hollow metal skylights. Architect taking bids due August 22nd. Pomeroy Const. Co., 1609 Ranstead street; M. Kirshner, 421 Snyder avenue; Frank G. Stewart, 1619 Sansom street; Edward Fay & Son, 2 South Mole street, are figuring.

**Machine Shop (alts.)**, Navy Yard, Philadelphia, Spec. 3915. Architect, private plans. Owner, United States Government, Department of Public Works, Navy Yard, Philadelphia. Owners taking bids. Lam Building Co., 1001 Wood street, and Thomas Reilly, 1616 Thompson street, are figuring.

**Residences and Garages (14)**, Sixtieth and Hazelhurst streets, \$83,200. Architect, private plans. Owner, Thomas J. McGarvey, 214 South Fifty-eighth street, Philadelphia. Brick, 2 stories, 20x32 feet, 10x14 feet and 14x18 feet, 20x13½ feet, slag roof, hot water heating, electric lighting. Owner will build.

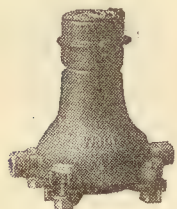
**Residences and Garages (5)**, Creighton, West of Viola street, \$5,500. Architect, private plans. Owner, N. Litman, 2030 South Fifth street, Philadelphia. Brick, 2 stories, 16x31½ feet, 13x19½ feet, slag roof, hot water heat, electric lighting, oak floors. Owner is building.

**Residence and Garage**, Northwest Corner Creighton and Viola streets, \$6,500. Owner, N. Litman, 2030 South Fifth street, Philadelphia. Brick, 2 stories, 16x51½ feet, slag roof, hot water heat, electric lighting, oak floors. Owner will build.

**Bartram Park (improvements)**, Fortieth Ward, Philadelphia. Engineer, private plans. Owners, City of Philadelphia, Room 113, City Hall, Philadelphia. New walks, resurfacing and reconstructing old walks, repairing brick gutters, cinder driging, etc. Owners taking bids due August 21st, at noon.

**Market House (repairs)**, South Second street, between Lombard and South, and North Second, between Poplar and Brown streets, Philadelphia. Engineer, private plans. Owners, City of Philadelphia, Bureau of Public Works, 113, City Hall. General repairs. Owners taking bids due August 21st noon.

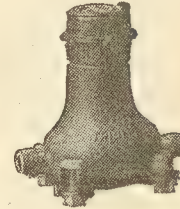
**Building**, Broad and Huntingdon streets, Philadelphia. Architect, M. V. Galloway, 1615 Walnut street, Philadelphia. Consulting architect, Charles E. Oelschlager, 1615 Walnut street. Owners, Goodyear Tire & Rubber Co., Broad and Huntingdon streets. Brick, steel and concrete, 4 stories, 136x143 feet, slag roof, concrete floors, stone foundations, steam heat, electric light, rolled steel sash, fire doors, elevators, iron work. Architects taking bids due



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August 27th. Cramp & Co., Denekla Building, and F. A. Havens Co., 845 North Nineteenth street, are figuring.

**Storage Building**, Wolf, Ritner, Water and Swanson streets. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owner, Pottash Bros., 612 North American street, Philadelphia. Brick, 20 feet high, 400x300 feet, asphalt roof and floors, hollow tile partitions, reinforced concrete foundations, steam heat and hot water heat, electric light, rolled steel sash, rolling steel and kinnear doors, hollow metal skylights. Architect will take bids in a week.

**Office Building**, Wolf and Swanson streets, Philadelphia. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owner, Pottash Bros., 612 North American street. Brick and stone, 2 stories, 25x48 feet, slag roof, maple floors, hot water heat, electric light, plumbing, hollow metal doors, cabinet work. Architect will take bids in one week.

**Garage**, Fifty-second and Pentridge streets, Philadelphia. Architect, E. Allen Wilson, 1218 Chestnut street, Philadelphia. Owner, S. Schaeffer, 5424 Chester avenue, Philadelphia. Brick, 1 story, 95x120 feet, Carey roof, cement floors, plumbing, electric lighting. Architects taking bids due August 25th. H. E. Sweger, 4435 North Uber street; J. D. Fisher, 5424 Thompson street, and Monaghan & Losse, Inc., 3016 Chestnut street; Raith Cons. Co., Third and Master streets, are figuring.

**Apartment House (alts. and add.)**, 3317-19 North Broad street. Architect, Frederick T. Uezzell, 717 Walnut street, Philadelphia. Owner, Paul Weitzel, on premises. Brick, 4 stories, 18x32 feet, slag roof. Architect taking bids due August 23rd. Thomas C. Trafford, 1613 Sansom street; H. H. Brocklehurst, 512 West Norris street; F. A. Havens Co., 845 North Nineteenth street, and E. E. Hollenback, Inc., 1804 Brandywine street, are figuring.

**Hospital (add.)**, Broad and Ritner streets, Philadelphia. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owners, Methodist Episcopal Hospital, on premises. Brick, 5 stories, 96x123 feet, composition and slate roof, terrazzo floors, metal lath, stone foundations, tile, marble and terrazzo work, hollow metal doors, waterproofing, dampproofing, iron stairs and work (heating, plumbing, electric lighting and elevators reserved). Architects taking bids. Irwin & Leighton, 126 North Twelfth street; Cramp & Co., Denekla Building; F. A. Havens & Co., 845 North Nineteenth street, and William R. Dougherty, 1610 Sansom street, are figuring.

**Residence (alts. and add.)**, Nineteenth and Tasker streets, Philadelphia. Architect, Harry Raech, 2138 South Woodstock street, Philadelphia. Owners, Campo Bros., Nineteenth and Tasker streets, Philadelphia. Brick, third story add., 16x50 feet, slag roof, pine floors, mill work, brick work and carpentry. Architect taking bid from Coneen Const. Co., 1737 Filbert street.

**Bridge**, Germantown avenue over Wissahickon Creek, Philadelphia. Architect, private plans. Owner, City of Philadelphia, Bureau of Highways, City Hall, Philadelphia. Reinforced concrete and steel, 30 feet wide, 213 feet long. Owners have received bids.

**Building (alt. and add.)**, 3441 Old York road, Philadelphia. Architect, Albert N. Dobbins, 1154 Wagner avenue, Philadelphia. Owner, Wilburn Zimmerman, 3441 Old York road, Philadelphia. Brick, 2 stories, 25x32 feet, slag roof, oak and pine floors, stone foundations, electric light, tile work, iron work (heat reserved). Architect taking bids due August 25th. Thomas C. Trafford, 1613 Sansom street, figuring.

**Dwelling**, Northwest Corner Woodbine and Bryn Mawr avenue, \$35,000. Architect, private plans. Owner, T. F. Reilly, Fiftieth and City Line, Philadelphia. Stone, 3 stories, 28x51 feet, 16½x32 feet, hot water heat, slate roof, electric lighting, oak floors, tile work. Owner will build.

**Elevator Shaft**, 308 Market street, Philadelphia, \$3,500. Architect, private plans. Owner, John L. Steele, Sixteenth and Arch streets. Elevator shaft in store and warehouse. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

**Garage (add.)**, Southwest Corner Third and Ontario streets, \$6,000. Architect, private plans. Owners, Liggett Myers Tobacco Co., on premises. Brick, 1 story, 40x56 feet, slag roof, cement floor, electric light. Contract awarded to the Austin Co., Bulletin Building, Philadelphia.

**Store and Dwelling**, 712 South Fourth street, Philadelphia, \$6,500. Architect, private plans. Owner, Reuben Ferberberg, 718 South Fourth street, Philadelphia. Brick, 3 stories, 17x34 feet, 14x13 feet, slag roof, pine floors. Contract awarded to N. Rozensky, 520 Dickinson street.

**Apartments (alts.) to Store**, 3329-31-33 Baltimore avenue. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owner, Henry Gelb, 442 South Sixtieth street, Philadelphia. Copper bar bulks, plate glass, marble work, alterations to hot water heating. Owner will take bids in a few days.

**Residence (alts.) to Store and Residence**, 6529 Woodland avenue. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owner, Henry Gelb, 442 South Sixtieth street, Philadelphia. New flush bulks, cabinet work, cornice, copper bulks, hot water heat, electric light, tile and marble work. Owners taking bids in a few days.

**Store and Residence**, northeast corner of Connae and Manayunk avenue, Philadelphia. Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, Nathan R. Potts, on premises. Brick, 2½ stories, 16x55 feet, stone foundations, tin roof, pine floors, cement work, hot water heat, electric lighting. Architect will take bids in one week.

**Dwelling**, 4900 North Eighth street, Philadelphia, \$8,000. Architect, private plans. Owners, W. Eischers Sons, Hutchinson and Ruscomb streets, Philadelphia. Brick, 2 stories, 17 feet 10 inchesx39 feet, 26x15 feet, hot water heating. Owner will build.

**Dwellings (14)**, 6 Levick and Tabor streets and 8 Hillerman and "G" streets, Philadelphia, \$49,000. Architect, private plans. Owners, Gersenstein & Lightenstein, 1931 North Fifth street, Philadelphia. Brick, 2 stories,



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14 feet 4 inchesx42 feet, hot water heat. Owners will build.

**Home Building (int. alts.),** 6003 Larchwood avenue. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owners, Hebrew Home Association, on premises. Concrete piers, structural iron work, hardwood floors (heating, lighting and plumbing reserv-

ed). Owners will be ready for bids in a few days.

**Dwellings (4),** 931-39 Herbert street, Philadelphia, \$24,000. Architect, private plans. Owner, J. D. Fotheringham, 1000 Arrott street, Philadelphia. Brick, 2 stories, 16 feet 4 inchesx43 feet, hot water heat. Owner will build.

## Contracts Awarded

**Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.**

**Home (alt. and add.),** Forty-ninth and Wyandling avenue. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owner, St. John's R. C. Home, on premises. Brick, stone and steel, tin roof, hemlock and composition floors, etc. Contract awarded to Thomas J. & Jos. R. Whelan, 214 South Forty-ninth street.

**Dwelling, Wakeling,** East of Oakland street, \$6,000. Architect, private plans. Owner, Edward W. Taylor, 1231 Wakeling street. Frame, 1½ stories, 30x40 feet, shingle roof, electric lighting. Contract awarded to C. West & Co., Oxford and Wakeling streets.

**Residence (alts.) to Apartments,** 2004 Spring Garden streets, \$8,000. Architect, private plans. Owner, James W. Finley, on premises. Contract awarded to A. P. Fraim, 319 Market street, Philadelphia.

**Store (add.),** 1031 Market street, Philadelphia, \$15,000. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Frank & Seder, on premises. Brick and steel, 4 stories, 20x46 feet, slag roof, pine floors, metal lath, stone foundations, vacuum heat, electric light, metal fire doors. Contract awarded to H. H. Burrell, 206 South Quince street, Philadelphia.

**Shop (alts.),** Hamilton, between Fifteenth and Sixteenth streets, \$7,000. Architect, private plans. Owners, Baldwin Locomotive Works, Broad and Spring Garden streets. Alterations. Contract awarded to Keystone Gypsum Flg. Corp., North American Building.

**Store (alts.),** 1306 Arch street, Philadelphia. Architects, Fieldstein & Schaef, Penfield Building, Philadelphia. Owner, B. B. Todd, on premises. Brick, 3 stories, hollow metal skylights, brick work, carpentry, plastering, maple and tile floors, steel sash. Contract awarded to Raith Const. Co., 304 Master street, Philadelphia.

**Rendering Building,** Richmond below Ontario streets, Philadelphia. Architects, Tunis & Genter, Real Estate Trust Building, Philadelphia. Owner, William H. Smith, 4252 Houghton street. Brick, 3 stories, slag roof, cement floors, stone foundations, electric lighting, waterproofing, ornamental iron work. Contract awarded to Ajax Const. Co., 201 North Broad street, Philadelphia.

**Store Building (alts.),** Northeast Corner Eighth and Chestnut streets, \$38,000. Architects, Greisler-Abramson Co., Drexel Building. Owner, I. Press, on premises. Brick, 4 stories, new walls, sheet metal, mill work, painting, iron work. Contract awarded to Ketcham & McQuade, 1029 Brown street, Philadelphia.

**Garage,** 1410-16 Mellon street, Philadelphia. Architect, private plans. Owner, Louis J. Kolb, West School Lane, Germantown. Brick, 1 story, 64x65 feet, slag roof, cement floor, stone foundations, steam heat, electric light, rolled steel sash and ventilators.

**Garage,** 1409-13 Mellon street, Philadelphia. Same construction, 1 story, 48x69 feet, etc.

Contract for both awarded to Potts Bro. & Coopers, 129 North Eleventh street.

**Bulkhead,** South of Penrose Ferry Bridge, Schuylkill River. Owner, City of Philadelphia, Department of Wharves, Docks and Ferries, Bourse Building. Construction with appurtenant work of bulkhead, 1165 feet long. Contract awarded to McLean Const. Co., Baltimore, Md.

**Store (alts.),** 1225 Market street, Philadelphia, \$4,000. Architect, private plans. Owner, C. & F. Horn, 1225 Market street, Philadelphia. Flush bulk, etc. Contract awarded to Basch & Co., 1426 South Front street, Philadelphia.

**Residence (add.),** 117 West Washington Lane, \$3,500. Owner, J. C. Gabel, on premises. Brick, 2 stories, 10x16 feet, slag roof, electric lighting. Contract awarded to E. A. Sheffner, 6361 Jefferson street, Germantown.

**Garage,** Northeast Corner Fifty-second and Dauphin streets, \$3,000. Architect, private plans. Owner, E. H. Reuss, 5058 Wynnefield avenue. Brick, 1 story, 35x25 feet, slag roof, cement floor, electric light. Contract awarded to J. F. Wolf, 148 North Vodge street.

**Office Building and Factory,** Twenty-third and Westmoreland streets, \$65,000. Architect, private plans. Owners, Sharpless Specialty Co., West Chester, Pa. Brick, steel and concrete, 2 and 1 stories, 75x120 feet, slag roof, concrete and yellow pine floors, stone foundations, steam heat, electric light, rolled steel sash, metal lath, roof ventilators, iron work. Contract awarded to Barclay White & Co., 1713 Sansom street, Philadelphia.

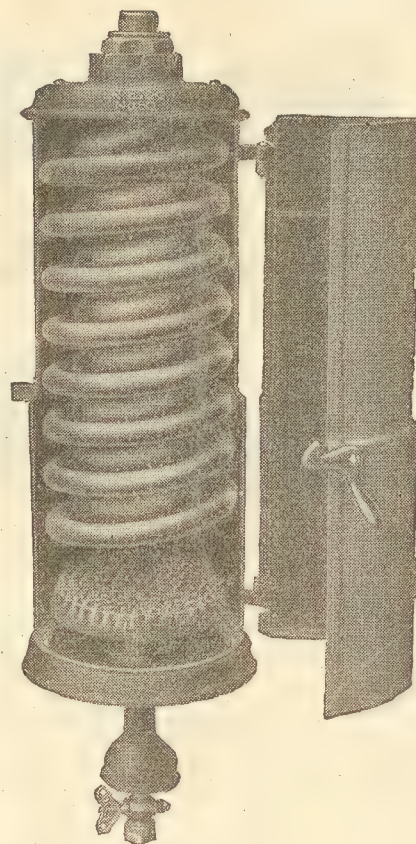
**Manufacturing Building,** Ontario and Brabant streets, Philadelphia, \$14,000. Architect, Peter Kuhn, 3058 North Eighth street, Philadelphia. Owner, Haffleigh Rending Co., Richmond and Ontario streets. Brick and concrete, 2 stories, 60x98 feet, concrete foundations, slag roof, steam heat, terra cotta, electric lighting. Contract awarded to Harry Brookhurst, 512 West Norris street.

**Factory,** Stokley and Westmoreland streets, \$22,000. Architect, private plans. Owner, Philadelphia Drying Machine Co., 3351 Stokley street, Philadelphia. Brick, 1 story, 108x64½ feet, slag roof, steam heat, electric light, maple floors. Contract awarded to William Steele & Sons Co., Sixteenth and Parkway.

**Building (alts.),** 3040 Market street, \$15,000. Architect, private plans. Owners, Quaker City Flour Mills Co., on premises. Brick, grain elevator and shaft, 22x25 feet. Contract awarded to Deverell, Spencer & Co., Baltimore, Md.

**Factory and Storage add.,** Delaware avenue, foot of Bigler street, \$40,000. Architect, private plans. Owner, General Mfg. Co., Snyder and Swanson streets, Philadelphia. Brick, 3 stories, 53x73 feet, and 1 story, 87x125 feet, slag roof, cement floors, electric lighting.

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Contract awarded to H. P. Friend, Norristown, Pa.

**Residence**, Northeast Corner Fifty-second and Dauphin streets, \$22,000. Architect, private plans. Owner, E. H. Reuss, Jr., 5058 Wynnefield avenue. Stone, 3 stories, 40½x53½ feet, slate roof, oak floors, electric light, tile and marble work. Contract awarded to J. F. Wolff, 148 North Vodges street, Philadelphia.

**Residence (alts. and add.)**, 732 North Sixty-third street. Architect, C. A. Ziegler, Bailey Building, Philadelphia. Owner, Daniel Murphy, 732 North Sixty-third street, Philadelphia. Stone, 2½ stories, shingle roof, hot water heat, electric lighting, tile work, patching floors, painting, cement and stone work. Contract awarded to A. L. Fretz & Son, Heed Building, Philadelphia.

**Building (alts.)**, Wheatsheaf and Coral streets, Philadelphia. Architect, private plans. Owner, Robert E. Foerderer & Co., Wheatsheaf and Coral streets. Carpentry, mill work, slag roof, rolled steel sash and skylights, roof ventilators. Contract awarded to George Kessler Cont. Co., Drexel Building.

**Warehouse (alts.)**, Ninth and Sedgley avenue, Philadelphia. Architect, private plans. Owners, Surpass Leather Co., on premises. Brick, 3 stories, mill work, electric light, sheet metal work, plumbing. Contract awarded to George Kessler Cont. Co., Drexel Building.

**Building (gen. repairs)**, 611-13 Callowhill street, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Confectioners' Specialty Co., on premises. Brick, 4 stories, general repairs to interior. Contract awarded to J. H. Feeser, 1011 Liberty street, Philadelphia.

**Residence (add.) and Garage**, 6446 Sherwood road, Philadelphia. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building. Owner, William T. Galey, Jr., on premises. Brick and plaster, 2 stories, 15x18 feet, and 1½ stories, 21x26 feet, tile roof, oak and cement floors, steam heat, electric light, stone foundations, tile and marble work, plumbing, gasoline storage system. Contract awarded to Milton W. Young, Overbrook, Pa.

**Bungalow**, West side of Bingham, South of Cottman street, \$3,650. Architect, private plans. Owner, William Eberhardt, 219 East Elinor street, Philadelphia. Frame, 1 story,

34x24 feet, shingle roof. Contract awarded to Harold Stout, 117 Franklin avenue, Cheltenham, Pa.

**Building (alts.)**, Water and Dickinson streets, Philadelphia. Architect, private plans. Owner, Koering Machine Co., Water and Dickinson streets, Philadelphia. Brick, 2 stories, mill work, carpentry, plastering, sheet metal work. Contract awarded to George Kessler Cont. Co., Drexel Building, Philadelphia.

**Bridges (2)**, Boulevard over Pennsylvania Railroad and Boulevard over Longford avenue, Philadelphia, \$187,634.65. Engineers, Bureau of Survey, Department of Public Works, Philadelphia. Owners, City of Philadelphia, Bureau of Survey, City Hall, Philadelphia. Concrete and steel. Contract awarded to Charles P. Bower, Tulip and Somerset streets.

**Small Arms Storehouse (alt. and add.)**, Frankford Arsenal. Architect, private plans. Owner, United States Government, Ordnance Department, Frankford Arsenal. Brick and steel, 2 stories, slate and slag roof, cement floors, hollow tile, elevator, concrete foundations, tile work, kalamein doors. Contract awarded to Monaghan & Losse, Inc., 3016 Chestnut street.

**Theatre (alts.)**, 6159 Woodland avenue, Philadelphia. Architects, Hoffman & Henon, Inc., Finance Building, Philadelphia. Owners, Orient Theatre Co., 6159 Woodland avenue, Philadelphia. Hollow tile, concrete and cement work, carpentry, plastering, mill work, brass railings, electric work, plumbing, painting. Contract awarded to Smith-Hardican Co., 1606 Cherry street.

**Ice Cream Factory**, 853-65 North Fourth street, Philadelphia. Architect, Van Rensaleer H. Green, 154 Nassau street, New York City. Owners, Colonial Ice Cream Co., care of Edward Trainer, president, 820 South Second. Concrete and steel, 3 stories (2 additional stories to be built later), 100x118 feet, 143 feet deep, reinforced concrete and floors, electric lighting, rolled steel sash, (1) elevator, insulation work. Contract awarded to F. A. Havens Co., 845 North Nineteenth street, Philadelphia.

**Store Building (alt. and add.)**, 1230 Market street, Philadelphia. Architect, David B. Bassett, Perry Building, Philadelphia. Owner, George Miller, 1306 Chestnut street, Philadelphia. Alterations to first floor and mezza-

nine, composition floors, iron work, carpentry, brick work, metal doors, electric work, hardware, painting, glazing, steel work, plastering. Contract awarded to Kramer Woodworking Co., Fourth and Lehigh avenue.

**Store and Dwelling (alts. and add.)**, Southwest Corner Seventh and Girard avenue, \$4,500. Architect, private plans. Owner, A. Schwartz, on premises. Interior alterations, new front, flush bulk, tile work. Contract awarded to A. Seidman, 1312 North Sixth street, Philadelphia.

**Factory Building (alts. and add.)**, 521 South Fourth street, Philadelphia, \$50,000. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, Rosenblum & Jaffe Bros., on premises. Brick, terra cotta and steel, 4 stories, 53x99 feet, slag roof, stone foundations, steam heat, electric light, tile and marble work, rolled steel sash, iron work, parquet floors, metal lath, elevators. Contract awarded to P. Savar, 718 Snyder avenue, Philadelphia.

**Store and Bakery (add.)**, 5620 Germantown avenue, \$17,000. Architect, private plans. Owners, Chelton Confection Co., on premises. Brick, 1 story, 27x80 feet, slag roof, steam heat, electric light, yellow pine floors. Contract awarded to Fred A. Havens Co., 845 North Nineteenth street.

**Factory**, Twentieth and Indiana avenue, Philadelphia. Architect, private plans. Owner, M. L. Bayard Co., on premises. Brick, 1 story, 48x60 feet, slag roof, cement floors, slow burning construction, plumbing, rolling steel shutters, rolled steel sash. Contract awarded to H. John Homan Co., 34 South Seventeenth street, Philadelphia.

**Residence (alts. and add.)**, 432 Pine street, Philadelphia, \$5,500. Architect, private plans. Owner, J. Kaskian, on premises. Brick, 1 story, 12x14 feet, slag roof, pine floors, electric light. Contract awarded to Harry Miller, 427 Catharine street.

**Residence**, Tyson street, West of Marsden street, \$3,500. Architect, private plans. Owner, Joseph M. Smith, 3503 Longshore street. Brick, 2 stories, 28x30 feet, shingle roof, hot water heating. Owner will build.

**Hotel (alts.)**, Southwest Corner Fifteenth and Chestnut streets, \$3,000. Architect, private plans. Owners, Bonwit Teller Co., Thirteenth and Chestnut streets, Philadelphia.

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General interior alterations. Contract awarded to J. H. Feeser, 1011 Liberty street, Philadelphia.

**Laundry and Stable**, Third and Allegheny avenue, Philadelphia, \$12,000. Architect, private plans. Owner, W. B. Wilson, 2735 North Sixth street, Philadelphia. Brick, 1 story, 50x100 feet and 50x16 feet, slag roof, concrete floors, stable fittings, hollow metal skylights, plumbing (heating and lighting reserved). Contract awarded to Wm. F. Koelle & Co., Twenty-sixth and Oxford streets, Philadelphia.

**Synagogue (alts. and add.)**, Sixty-ninth and Paschall avenue. Architects, Clark & Dudnick, Drexel Building, Philadelphia. Owners, Congregation of Brith Solom, on premises. General interior alterations. Contract awarded to Howard Hall, Seventy-second and Paschall avenue, Philadelphia.

**Residence (add.)**, southwest corner of Seventieth avenue and Twelfth street, \$3,300. Architect, private plans. Owner, Walter Dreuding, on premises. Hollow tile, 3 stories, 15x18 feet. Contract awarded to W. John Stevens, Inc., Wyncote, Pa.

**Manufacturing Building**, Thirty-fifth and Moore streets, Philadelphia, \$28,000. Architect, private plans. Owners, Powers, Weightman & Rosengarten, Ninth and Parrish streets. Brick, 3 stories, 96x33 feet. Contract awarded to R. C. Ballinger Co., 218 North Thirteenth street, Philadelphia.

**Store Building (alts. and add.)**, 1230 Market street, Philadelphia. Architect, David B. Bassett, Perry Building, Philadelphia. Owner, A. H. Geuting Co., on premises. New front and brick addition, 3 stories and basement, 20x56 feet, slag roof, cement and oak floors, metal lath, stone foundations, steam heat, electric light, kalamein doors, 1 freight elevator, dumb waiter. Contract awarded to J. S. Rogers Co., Drexel Building, Philadelphia.

**Bank**, northwest corner Columbia and Ridge avenues, Philadelphia, \$75,000. Architect, Carl P. Berger, 1410 South Penn Square, Philadelphia. Owners, Northwestern Trust Co., on premises. Brick, two-story addition, 56x36 feet. Contract awarded to P. Haibach Cont. Co., Twenty-sixth and Thompson streets, Philadelphia.

**Greenhouse**, Byberry Road and Philadelphia and Reading R. R., \$7,000. Architect, private plans. Owners, Memorial Park and Mausoleum Co., 32 South Broad street, Philadelphia.

Frame and concrete, 1 story, 30x20 feet, 28 feet 4 inchesx75 feet 8 inches. Contract awarded to H. Christiansen, 32 South Broad street, Philadelphia.

**Shop**, 224-226 North Camac street, Philadelphia, \$8,000. Architect, private plans.

Owner, B. Alexander, Hale Building, Philadelphia. Brick, 1 story, 30x94 feet. Contract awarded to D. Henwood, 1509 Wood street, Philadelphia.

## PENNSYLVANIA

## Construction News

**Factory (add.)**, Harrisburg, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, name withheld. Brick, 2 stories, 38x100 feet, composition roof, wood floors, electric light. Plans in progress.

**High and Grade School (2 annexes) (alts. and add.)**, Conneautville, Pa., \$30,000. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner, Conneautville School District, care of C. A. Sterling, Conneautville, Pa. Brick, 2 stories, 60x60 feet and 60x60 feet, composition roof, cement and wood floors, concrete foundations, steam heat, electric light, hollow metal sash, roof ventilators. Owners taking bids.

**Store and Service Station**, 228 North Fifth street, Reading, Pa. Architect, C. J. Young, 520 Washington street, Reading, Pa. Owner, G. H. Becker, 611 North Third street, Reading, Pa. Brick and concrete, 2 stories, 28x60 feet, slag roof, concrete floors, roof ventilators, concrete foundations, steam heat, electric light, hollow metal skylights, roof ventilators. Plans in progress. Architect will take bids in a week.

**Garage**, Cherry and Wood streets, Reading, Pa. Architect, C. J. Young, 520 Washington street, Reading, Pa. Owner, W. I. Hoch, 1146 Franklin street, Reading, Pa. Brick and concrete, 3 stories, 40x130 feet, composition roof, concrete floors, concrete foundations, steam heat, electric light, gasoline storage system. Plans in progress. Owner will take bids.

**Apartments (9) (alts. and add.)**, Carlisle, Pa. Architects, Markley & Stair, Spooner Building, Harrisburg, Pa. Owner, R. Todd, South Fifth street, Carlisle, Pa. Brick, 3 stories, 30x40 feet, slate roof, hardwood floors, steam heat, electric light, new plumbing and general interior alterations. Plans in progress.

Owner will take sub-bids in ten days.

**Office Building (alts.)**, Telegraph Building, Harrisburg, Pa. Owner, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, E. J. Stackpole, Telegraph Building, Harrisburg, Pa. General interior alterations, hardwood floors. Plans in progress.

**Garage**, 624 North street, Harrisburg, Pa. Architect, C. J. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Eureka Coal Co., care of M. A. Bailly, 624 North street, Harrisburg. Brick and steel, 1 story, 60x70 feet, composition roof, concrete floors, electric lighting. Plans in progress. Architect will take bids in one week.

**Church (alt. and add.)**, Fourth and Edwards streets, Chester, Pa. Architect, Conrad F. Neff, Otis Building, Philadelphia. Owner, St. Daniel's Methodist Episcopal Church, on premises. Brick and cut stone, 2 stories, 13x52 feet, slate roof, pine floors, metal ceilings, dampproofing, iron work (heating and light reserved), stone foundations, mill work, hardware, painting, glazing, sheet metal work. Architect taking bids due August 20th. Thomas C. Trafford, 1613 Sansom street; Herbert G. Campion, Otis Building, and E. E. Hollenback, Inc., 1804 Brandywine street, are figuring.

**Academy (alts. and add.)**, Villa Nova, Pa. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Villa Nova College, Villa Nova, Pa. Stone and reinforced concrete, 3 stories, 55x82 feet, hardwood and tile floors, electric light, steel lockers, alts. to gymnasium, auditorium and swimming pool. Architect taking bids due August 25th. Jacob Myers & Sons, Witherspoon Building; Wm. R. Dougherty, 1610 Sansom street; John McShain, 1610 North street, Philadelphia, are figuring.


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**Residence, Merion, Pa.** Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, M. C. McCreary, Merion, Pa. Stone and plaster, 2½ stories, 53x85 feet, slate roof, oak floors, metal lath, electric light, tile work, stone foundations (heating and plumbing reserved), iron work. Architects taking bids due August 21st. Wills-Ludwick Co., 1708 Sansom street; Milton W. Young, Overbrook, Pa.; J. E. Kearney, 34 South Seventeenth street; E. J. Hedden, Finance Building, and Charles C. Pace, Merion, Pa., are figuring.

**National Bank, Strausstown, Pa.** Architect, C. J. Young, 520 Washington street, Reading, Pa. Owner, Dr. Ch. A. Herbine, Strausstown, Pa. Stone, 1 story, 24x48 feet, slag roof, maple and cement floors, stone foundations, hot water heat, electric light, hollow metal skylights, metal window guards (bank fixtures separate bids). Architect has received bids.

**Theatre Building, Fourth and Market streets, Chester, Pa.** Architects, Hoffman & Henon, Inc., Finance Building, Philadelphia. Owner, Edward Margolin, Washington Hotel, Chester, Pa. Brick, terra cotta, steel and concrete, 1 story and balcony, composition roof, composition and pine floors, concrete foundations, steam heat, electric light, marble and terrazzo work, metal lath, hollow metal skylights, kalamein doors, waterproofing, iron work. Architects taking bids due August 21st. John R. Wiggins Co., Otis Building; Ketcham & McQuade, 1029 Brown street; P. M. Sax, Franklin Bank Building; F. G. Stewart, 1619 Sansom street; Pierce Henon Co., Bulletin Building, Philadelphia, and Chester Const. Co., and R. H. Seruggney & Son, both of Chester, Pa., are figuring.

**School, No. 3, Bethlehem, Pa., \$250,000.** Architect, Verus T. Ritter, North American Building, Philadelphia. Owner, Board of Education, Bethlehem, Pa. Brick and stone, 3 stories, 150x270 feet, composition roof, metal lath, roof ventilators, stone foundations, steam heat, electric light, tile, marble and terrazzo work, hollow metal skylights, roof ventilators, iron stairs. Plans in progress. Architect will take bids September 1st.

**Silk Mill (add.), Shamokin, Pa.** Architect, W. H. Lee, 32 South Seventeenth street, Philadelphia. Owner, W. A. Mullen, Shamokin, Pa. Brick and concrete (slow burning construction), 41x52 feet, slag roof, maple floors, rolled steel sash. Architect will take bids in two weeks.

**Rack Room (extension), Marcus Hook, Pa., Building No. 18.** Architect, private plans. Owner, Congoleum Co., Marcus Hook, Pa. Brick, 3 stories, 88x48 feet, and 24x29 feet, slag roof, concrete floors, concrete foundations (heat extension), electric lighting, elevators, rolled steel sash, fire doors, iron stairs and work. Owners have received bids.

**Store and Apartments (alt. and add.), 211 South Third street, Reading, Pa.** Architect, C. J. Young, 520 Washington street, Reading, Pa. Owner, I. A. Deisher, 413 Penn street, Reading, Pa. Brick, 1 story, 21x60 feet, slag roof, pine floors, stone foundations, hot water heat, electric light, rolled steel skylights. Plans in progress. Owner will take new bids.

**Garage, Mt. Penn, Reading, Pa.** Architect, C. J. Young, 520 Washington street, Reading, Pa. Owner, Sweitzer Bros., Mt. Penn, Reading, Pa. Stucco, 1 story, 16x20 feet, slate roof, concrete floors, bishopric

lath, concrete foundations, electric light. Owner is building.

**Dye House (3 sections), Past street, Reading, Pa.** Architect, G. L. Gerhard, 619 Penn street, Reading, Pa. Owner, Reading Dyeing Co., Burns street, Reading, Pa. Brick, 1 story, 100x150 feet, slag roof, concrete foundations, concrete floors. Plans in progress. Architect will take bids in a few days.

**Residence, Wayne, Pa.** Architect, George S. Idell, 1705 Chestnut street, Philadelphia. Owner, Richard C. Newbold, Wayne, Pa. Frame, 2½ stories, shingle roof, pine floors (hot air heat reserved), electric lighting, stone foundations. Plans in progress.

**School (alt. and add.), Willow Grove, Pa.** Architect, Harry Parker, 129 South Fifth street, Philadelphia. Owner, Upper Moreland Township, Willow Grove, Pa. Stone, 2 stories, slag roof, steam heating, electric lighting. Owners have received bids.

**Apartment House (alt. and add.), Haverford, Pa.** Architects, McIlvain & Roberts, Otis Building, Philadelphia. Owner, Isaac C. Sutton, Otis Building, Philadelphia. Plaster and brick, 3 stories, 20x78 feet, tin roof, oak floors, stone foundations, vapor heating, electric light, tile work, iron work. Architects taking bids due August 21st. Herbert G. Campion, Otis Building; Gray Brothers, Rosemont, Pa.; Rodger T. Burns, Haverford, Pa., and W. D. and H. T. Smedley, Narberth, Pa., are figuring.

**Residence, Lansdowne, Pa.** Architect, L. Valentine Scherr, 5534 North Lawrence street, Philadelphia. Owner, name withheld. Stucco, 2½ stories, 30x42 feet, shingle roof, oak floors, stone foundations, hot water heat, electric light, tile work, iron work. Architect taking bids due August 20th. Standard Const. Co., 1713 Sansom street, is figuring.

**Residence, Brookline, Delaware County, Pa.** Architects, Custer & Gill, 304 Market street, Camden, N. J. Owner, name withheld. Hollow tile, 1 story, 25x40 feet, asbestos shingle roof, hardwood floors, hot water heating, electric lighting, tile work. Eugene Baird, Oakmont, Pa., is taking sub-bids.

**Ward Building, "N," Waymart P. O., Wayne County, Pa.** Architect, Charles L. Hillman, 400 Chestnut street, Philadelphia. Owner, State Hospital for Criminal Insane, Board of Trustees, care of H. G. Ashmead, secretary, Waymart P. O., Wayne County, Pa. Brick, steel and terra cotta, 2½ stories, 41x160 feet, slate roof, tile and wood floors, plumbing, steam heat, electric lighting, mill work, tile and marble work. Owners taking bids due September 6th at noon. Plans may be obtained from office of architect. Deposit, \$25.

**Residence (alt. and add.), Ortana, Adams County, Pa., \$7,000.** Architect, R. A. Stair, Jr., Guardian Trust Building, York, Pa. Owner, Mrs. Spencer Large, on premises. Stone, 3 stories, 18x22 feet, shingle roof, pine floors, general interior alterations, new plumbing. Plans in progress. Owner will take sub-bids in two weeks.

**Garage and Storage Room, West York, Pa.** Architect, E. Leber, Hay Building, York, Pa. Owner, Pfaltzgraff Pottery Co., West York, Pa. Brick, 1 and 2 stories, 50x100 feet, slag roof, cement floors, electric lighting. Plans in progress. Architect will take bids in ten days.

**Residences (5), East Orange street, Lancaster, Pa.** Architect, F. J. Everett, Woolworth Building, Lancaster, Pa. Owner, Hydro-Carbon Chemical Co., care of J. Brimmen, East Orange street, Lancaster, Pa. Brick, 2½ stories, 20x30 feet, slate roof, pine floors, stone

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foundations, hot air heat, electric light. Plans in progress. Architect will take bids in ten days.

**Laundry,** St. Joseph's Hospital, Lancaster, Pa. Architect, E. C. Urban, Woolworth Building, Lancaster, Pa. Owner, St. Joseph's Hospital, Lancaster, Pa. Brick, 1 story, 39x78 feet, slate and slag roof, cement floors, electric light, laundry equipment. Architect will take bids in one week.

**Residence,** Hershey, Pa. Architect, E. C. Urban, Woolworth Building, Lancaster, Pa. Owner, Bowman Suabety, Hershey, Pa. Stone and stucco, 3 stories, 28x45 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Owner will take bids.

**Residence (alt. and add.),** East King street, Lancaster, Pa. Architect, E. C. Urban, Woolworth Building, Lancaster, Pa. Owner, Mrs. D. M. B. Royer, East King street, Lancaster, Pa. Hollow tile, 3 stories, 30x40 feet, tile roof, hardwood floors, electric lighting, heating extension, tile and marble work, general interior alterations. Plans in progress. Architect will take bids in a few days.

**Residence,** Lancaster Township, Pa. Architect, F. J. Everett, Woolworth Building, Lancaster, Pa. Owner, S. Reynolds, East King street, Lancaster, Pa. Hollow tile and stucco, 2 stories, 30x30 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

**Community Garage,** Lancaster, Pa. Architect, F. J. Everett, Woolworth Building, Lancaster, Pa. Owner, name withheld. Brick, slag

roof. Sketches being drawn.

**Office Building,** Lancaster, Pa. Architect, F. J. Everett, Woolworth Building, Lancaster, Pa. Owner, Monitor Bi-Loop Co., Harrisburg pike, Lancaster, Pa. Brick, 2 stories. Sketches being drawn.

**Community House, Swimming Pool and Gymnasium,** Marietta, Pa. Architect, F. J. Everett, Woolworth Building, Lancaster, Pa. Owner, Marietta Community House, care of H. Hieslan, Lancaster, Pa. Brick, 1 story and basement, 60x80 feet, slate roof, cement floors, stone foundations, hot water heat, electric lighting. Plans in progress. Bids will be taken by architect in ten days.

**Apartment (alts.) and Garage,** Orange and Cherry streets, Lancaster, Pa. Architect, F. J. Everett, Woolworth Building, Lancaster, Pa. Owner, W. G. Cresswell, Norman street, Lancaster, Pa. Brick, 1 story, 29x100 feet, slag roof, cement floors, stone foundations, hot water heat, electric lighting, general interior work. Architect has received bids.

**Bridge (Soldiers' and Sailors' Memorial Bridge),** Capitol Park Extension and State street, Harrisburg, Pa. Engineers, J. E. Greiner & Co., Fidelity Building, Baltimore, Md. Architect, Arnold W. Brunner, 101 Park avenue, New York City. Owner, State of Pennsylvania, Board of Commissioners of Public Grounds and Buildings, L. W. Mitchell, secretary; T. W. Templeton, superintendent; Capitol Building, Harrisburg, Pa. Owners taking bids due September 23d at 10 A. M. Deposit, \$100. Proposal guaranty, \$25,000.

## PENNSYLVANIA

### Contracts Awarded

**Residence,** Strafford, Pa. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owners, Charles Winter Bailey, Strafford, Pa. Stone, 2½ stories, 35x60 feet, slate roof, oak floors, electric light. Contract awarded to Milton W. Young, Overbrook, Philadelphia.

**Greenhouse,** Chestnut Hill, Pa. Architects, Mellor, Meigs & Howe, 201 South Juniper street, Philadelphia. Owner, Francis S. McIlhenny, Chestnut Hill, Philadelphia. Brick and glass, 1 story, 22½x30 feet and 28x18 feet, shingle roof, cement floor, stone foundations, steam heat. Contract awarded to R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia.

**Residence and Garage,** Wynnefield, Pa. Architect, Mahlon H. Dickinson, 1705 Chestnut street, Philadelphia. Owner, A. D. Wiler, Forty-sixth and Spruce streets. Hollow tile and plaster, 2½ stories, 25x42 feet, slate roof, 1 story, 12x22 feet, hot water or vapor heat, electric light, tile and marble work, oak floors. Contract awarded to Mackle-McClelland Co., Drexel Building.

**Log Cabin,** Cynwyd, Pa. Architect, R. B. Okie, Crozer Building, Philadelphia. Owner, Commander A. B. Cook, Cynwyd, Pa. Log, 1 story, 25x30 feet, shingle roof, stone foundations, hot water heat, electric lighting. Contract awarded to Charles Gilpin, Harrison Building, Philadelphia.

**Stores and Apartment (alt. and add.),** 918 Penn street, Reading, Pa. Architect, H. Maurer, Mt. Penn, Reading, Pa. Owner, Constantine Mantes, 547 Penn street, Reading, Pa. Brick, 3 stories, 44x100 feet, steam heat, electric light, stone foundations, tile work, hollow

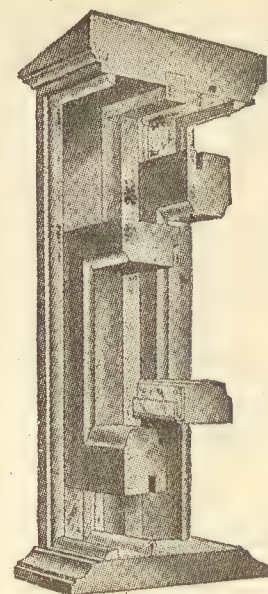
floors, ornamental iron work, roof ventilators, wire work. Contract awarded to D. H. Hunter, Reading, Pa.

**School Building,** West Fairview, Pa., \$30,000. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, West Fairview School Board, care of Fred Seidel, secretary, West Fairview, Pa. Brick, 2 stories (8 rooms), slag roof, pine floors, concrete foundations, hot air heat, electric lighting, roof ventilators. Contract awarded to C. W. Strayer, Harrisburg, Pa.

**Residence (alt. and add.),** 911 Washington street, Reading, Pa. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, David Schem, Eighth and Buttonwood streets, Reading, Pa. Hot water heat, hardwood floors, fixtures, plumbing, leaded glass. Contract awarded to William E. Spatz, Reading, Pa.

**Factory (add.),** Third and Grape streets, Reading, Pa. Architect, Calvin J. Young, 520 Washington street, Reading, Pa. Owner, E. G. Warner Sons & Co., Third and Grape streets, Reading, Pa. Brick and concrete, 2 stories, 17x36 feet, concrete roof and floors, concrete foundations, electric lighting (extension to steam heat). Contract awarded to George Kline, Reading, Pa.

**Office and Receiving Building,** Cameron street, Harrisburg, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Morehead Knitting Co., care of R. M. Morehead, on premises. Reinforced concrete, 2 stories, 60x125 feet, slag roof, maple floors, electric lighting. Contract awarded to George T. Titzel, Reading, Pa.



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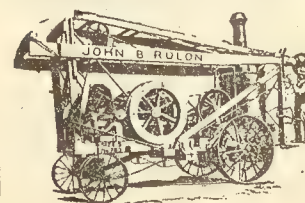
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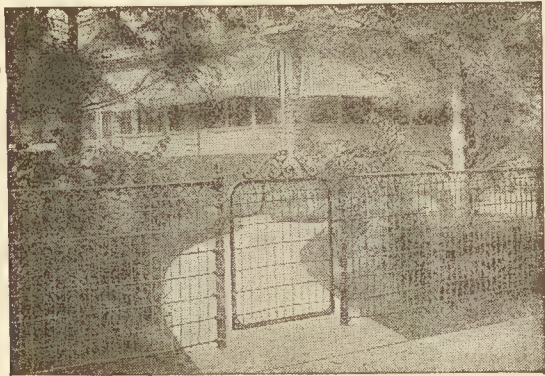
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**Factory**, Newbold, N. J. Architect, R. C. Clark, Chicago, Ill. Owner, Armour Co., Chicago, Ill. Reinforced concrete and brick, 6 stories, 200x200 feet, slag roof, concrete and maple floors, rolled steel sash and skylights, fire doors, waterproofing and dampproofing, iron work, concrete foundations (heating and lighting reserved). Architect taking bids due August 22nd. A. R. Raff Const. Co., 1635 Thompson street, Philadelphia, is figuring.

**Residence**, South Orange, N. J. Architect, C. A. Ziegler, Bailey Building, Philadelphia. Owner, name withheld. Stone, 2½ stories, 32x100 feet, shingle roof, stone foundations, hot water heating. Plans in progress. Architect will take bids in a month.

**Hotel**, Trenton, N. J. Architects, Eisenwein Johnson, Buffalo, N. Y., and Kleman & Hunt, Trenton, N. J. Owners, Hotel Realty Co., care of L. L. Woodward, Trenton, N. J. Brick, steel and concrete, 9 stories, 105x194 feet, slag roof, oak, concrete, tile and terrazzo floors, concrete foundations, steam heat, electric light, tile, marble and terrazzo work, hollow tile, metal lath, elevators, safety treads, metal window guards, waterproofing, dampproofing, ornamental iron work. Architects taking bids due September 3d. Standard Const. Co., 1713 Sansom street, is figuring.

**Sewerage System and Disposal Plant**, Paulsboro, N. J. Architects, Remington & Vosbury, 601 Market street, Camden, N. J. Owner, Borough of Paulsboro, care of Daniel D. Pote, Clerk, Black Building, Paulsboro, N. J. Terra cotta pipe sewers and connections, manholes, flush tanks, pumping station and disposal plant. Owners have received bids.

**Residence**, Haddonfield, N. J. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owner, name withheld. Hollow tile, 2 stories, 22x28 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Frank Sander, Collingswood, N. J., is taking sub-bids.

**Factory (extension)**, Camden, N. J. Architects, Stearns & Woodnut, Stephen Girard Building, Philadelphia. Owners, Warren Webster Co., Camden, N. J. Brick, terra cotta and concrete, 2 stories, 56x136 feet, slag roof, maple floors (plumbing, heating and electric lighting reserved), stone foundations, rolled steel sash, fire doors, iron work, roof ventilators. Architects taking bids, due August 23rd. J. M. Yardley, 1716 Sansom street; Wm. R. Dougherty, 1610 Sansom street; J. Sims Wilson Co., 1125 Brown street, Philadelphia, and George Bachman, 19 North Thirtieth street; Wm. Wrixford, West and Mickle street, and James W. Draper, all of Camden, N. J., are figuring.

**Community House (alts. and add.)**, 605 Cooper street, Camden, N. J. Architects, Berry & Cumiskey, Real Estate Trust Building, Philadelphia. Owners, National Community House, on premises. Brick and cut stone, 1 story, 20x26 feet, slate roof, pine floors, metal lath, electric lighting, concrete foundation (heating and plumbing reserved), iron work. Architects taking bids, due August 20th. Melody & Keating, 1322 Race street, Philadelphia; Wm. Wrixford, West and Mickle

streets; Geo. Bachmann, 19 North Thirtieth street, and James W. Draper, all of Camden, N. J., are figuring.

**House (Twin)**, Winchester and Princeton avenue, Atlantic City, N. J. Architect, W. B. Riebenack, Guardian Trust Building, Atlantic City, N. J. Owners, Freund Bros., Maryland avenue and Boardwalk, Atlantic City, N. J. Frame, 2 stories and basement, 50x62 feet, slag roof, pine floors, pipeless heat, electric light, tile work. Plans in progress.

**House and Garage**, South Hartford avenue, Atlantic City, N. J. Architect, V. B. Smith, Guardian Trust Building, Atlantic City, N. J. Owner, J. W. Holtz, care of architect. Brick and frame, 2½ and 1 stories, 28x42 feet and 22x24 feet, concrete foundations, slate roof, hardwood and cement floors, hot water heat, electric light, tile and marble work. Plans in progress.

**Store Front (alts. and add.)**, Atlantic avenue, Atlantic City, N. J. Architect, W. S. Hewitt, Guardian Trust Building, Atlantic City, N. J. Owner, L. Beard, Atlantic City, N. J. Brick, 3 stories, 11x33½ feet, concrete foundations, slag roof, hardwood floors, electric light, tile and marble work. Plans in progress.

**Apartment**, Vermont avenue, Atlantic City, N. J. Architect, R. Mergenthaler, 33 South Carolina avenue, Atlantic City, N. J. Owner, care of architect. Brick, 3 stories, 120x40 feet, concrete foundations, slag roof, hardwood floors, hot water heat, electric light, tile and terrazzo work. Plans in progress.

**Apartment and Show Room**, Atlantic avenue, Atlantic City, N. J. Architect, V. B. Smith, Guardian Trust Building, Atlantic City, N. J. Owner, S. Walden, care of architect. Brick, 2 stories, 100x113 feet, concrete foundations, slag roof, hardwood floors, electric light, tile, marble and terrazzo work, rolled steel skylights, roof ventilators. Plans in progress.

## New Jersey Contracts Awarded

**Office Building, Bowling Alley, Billiard Room and Dance Hall**, Eighth and Market streets, Camden, N. J., \$50,000. Architect, Eugene Sedille, 601 Market street, Camden, N. J. Owner, Standard Real Estate Imp. Co., of Philadelphia, care of architect. Brick, 2 stories, 80x120 feet, slag roof, hardwood floors, concrete foundations, electric light (heat reserved), structural steel. Contract awarded to Baldwin Const. Co., 601 Market street, Camden, N. J.

**Apartments**, Ventnor and Bartram avenues, Atlantic City, N. J. Architect, W. B. Riebenack, Guarantee Trust Building, Atlantic City, N. J. Owners, Dewey Apartment Co., Law Building, Atlantic City, N. J. Brick, 3 stories, 65x98 feet, slag roof, hardwood floors, concrete foundations, hot water heating, electric lighting, tile and marble work. Architect taking sub-bids, due August 25th.

**Houses (2)**, South Cornwall avenue, Ventnor, N. J., \$25,000. Architects, J. V. Mathis

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& Son, Guardian Trust Building, Atlantic City, N. J. Owner, Mr. Sowden, Ventnor, N. J. Frame, 21 stories, 28x45 feet, 20x20 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to J. Mathis & Son, Atlantic City, N. J.

**Residence and Garage**, 5 South Dudley avenue, Ventnor, N. J. Architect, care of Architect Smith, Guardian Trust Building, Atlantic City, N. J. Owner's name withheld. Brick and stucco, 2½ and 1 stories, 28x42 feet, 22x24 feet, concrete foundations, slate roof, hardwood and cement floors, hot water heat, electric light, tile and marble work. Contract awarded to A. B. Bowen, Atlantic City, N. J.

**Residence and Garage**, Derby and Atlanta avenue, Atlantic City, N. J. Architect, V. B. Smith, Guardian Trust Building, Atlantic City, N. J. Owner, C. M. Kury, Atlantic City, N. J. Brick and stucco, 2½ and 1 stories, 26x48 feet, 22x24 feet, concrete foundations, slate roof, hardwood and cement floors, hot water heat, electric light, tile and marble work. Contract awarded to A. B. Bowen, Atlantic City, N. J.

**Residence and Garage**, Cornwall and Ventnor avenues, Atlantic City, N. J. Architect, V. B. Smith, Guardian Trust Building, Atlantic City, N. J. Owner, A. P. Rosenberger, on premises. Stucco and brick, 2 stories, 28x60 feet and 40x30 feet, concrete foundations, slate roof, hardwood and concrete floors, hot water heat, electric light, tile and marble work. Contract awarded to A. B. Bowen, Atlantic City, N. J.

**Cottage**, Ventnor, N. J. Architect, R. Mergenthaler, 33 South Carolina avenue, Atlantic City, N. J. Owner's name withheld. Brick, 3 stories, 37x51 feet, concrete foundations, slate roof, hardwood floors, hot water heat, electric light, terrazzo work. Contract awarded to T. Berry, 33 South Carolina avenue.

**House**, 5 South Suffolk avenue, Ventnor, N. J. Architect, J. V. Mathis, Guardian Trust Building, Atlantic City, N. J. Owner, Howard Sowden, Ventnor, N. J. Hollow tile, 2½ stories, 40x26 feet, 14x20 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to Mathis & Son, Atlantic City, N. J.

**Residence**, South Wyoming avenue, Ventnor, N. J. Architect, J. V. Mathis, Guardian Trust Building, Atlantic City, N. J. Owner, Howard Sowden, Philadelphia. Frame, 2 stories, 22x32 feet, slate roof, pine floors, hot water heat, electric light, tile work. Contract awarded to J. Mathis & Son, Atlantic City, N. J.

## Delaware Construction News

**Residence**, Smyrna, Del., \$25,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, C. P. Thornley, on premises. Brick, 3 stories, 30x45 feet, 18x40 feet, slate roof, hot water heat, stone foundations, electric light, tile and marble work, hardwood floors, tile and marble work. Plans in progress.

**Garage**, Twenty-eighth and Market streets, Wilmington, Del. Architect, E. L. Rice, 815 Market street, Philadelphia. Owner, Roy L. Keane, 625 South Fourth street, Philadelphia. Brick, 1 story, 61x132 feet, slag roof, concrete and pine floors, stone foundations, steam heat, electric light, hollow metal skylights, roof

ventilators, gasoline storage. Architect has received bids.

**House**, Wilmington, Del. Architect, W. B. Riebenack, Guardian Trust Building, Atlantic City, N. J. Owner, Mr. Joyce, Wilmington, Del. Brick and stucco, 3 stories, 30x50 feet, stone foundations, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress.

## Delaware Contracts Awarded

**Garages (12)**, 1301 Maple street, Wilmington, Del., \$2,500. Architect, private plans. Owner, Joseph Przybyuk, Trenton, N. J. Brick, 18x33 feet, slag roof, stone foundations, electric lighting, cement floors, electric lighting. Contract awarded to T. Skonieemy, 402 Porter street, Wilmington, Del.

**Apartment (alts.)**, 709 Market street, Wilmington, Del., \$7,000. Architect, private plans. Owner, P. and O. Shop Co., Trenton, N. J. General alterations, 19x116 feet. Contract awarded to J. A. Bader & Co, 923 Bader street, Wilmington.

**Stores (3), Garages (15)**, New and Eighth streets, Wilmington, \$10,000. Architect, private plans. Owner, James English, 2402 Madison street, Wilmington.

**Dwellings (18)**, 1201-13 Shallcross street, 1601-11 Harrison street and 1200-10 Levering street, Wilmington, Del. Architect, private plans. Owners, Joyce & Kerrigan, 114 North Broom street, Wilmington, Del. Brick, 2½ stories, 20x32 feet, slag roof, pine floors, stone foundations, hot water heat, electric lighting. Owners will build.

## Miscellaneous Construction News

**Factory, Office Building and Casting Shop**, Fairmont, W. Va. Architects, Dreher, Churchman, Paul & Ford, 1424 Walnut street, Philadelphia. Engineer, James M. Boyle, New York City. Owners, West Virginia Metal Products Corp., Fairmont, W. Va. Brick, 3 stories, 50x280 feet (office building), (factory) brick, 1 story, 280x360 feet, and casting shop, 1 story, 80x280 feet, slag roof, cement and pine floors, electric lighting. Architects will be ready for bids in a few days.

**Houses (150)**, Fairmont, W. Va. Architects, Dreher, Churchman, Paul & Ford, 1424 Walnut street, Philadelphia. Engineer, James M. Boyle, New York City. Owners, West Virginia Metal Products Co., Fairmont, W. Va. Frame, 2 stories. Architect will be ready for bids in a few days.

**Manufacturing Building**, Borough of Queens, New York, \$230,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Phila-

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delphia. Owners, Paterson-Sargent Co., New York City. Brick, concrete and steel, electric lighting, steam heating, rolled steel sash and skylights, roof ventilators. Contracts sub-let by architects.

**Piano Manufacturing Building**, 141st street and Walnut avenue, Borough of Queens, N. Y. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Port Norris Holding Co., on premises. Brick, concrete and steel. Bids for superstructure and equipment will be taken in a few days. Contract awarded to Raymond Concrete Pile Co., 90 West street, New York City, for substructure.

**Manufacturing Building**, Borough of Queens, New York, \$300,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, S. Karpen & Bro., 111 West Eighty-seventh street, New York City. Concrete, steel and brick, 200,000 square feet of floor space, steam heating, electric lighting, plumbing, sprinklers separate bids). Contract awarded to Hegeman-Harris Co., Inc., 110 West Fortieth street, New York.

**Office Building**, Borough of Queens, N. Y., \$1,500,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Butterick Publishing Co., 223 Spring street, New York City. Reinforced concrete, steel, brick and terra cotta, 10 stories and basement, rolled steel sash, fire doors, electric lighting. Architects sub-letting all contracts.

**Bakery Building**, Borough of Queens, New York. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, Sawyer Biscuit Co., 404 East Thirtieth street, New York City. Concrete, steel and terra cotta, 9 stories and basement. Plans about completed. Architect will be ready for bids in a few days.

## Proposals

### INVITATIONS FOR PROPOSALS.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., August 15, 1919.—Sealed proposals will be opened in this office at 3 P. M., September 26, 1919, for the remodeling of the United States custom house and post office at Providence, R. I. Drawings and specifications may be obtained from the custodian at Providence, R. I., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., August 15, 1919.—Sealed proposals will be opened in this office at 3 P. M., September 22, 1919, for furnishing the labor required in the construction complete, with materials that will be furnished by the Government, of the United States Post Office Building at Charlestown, W. Va. Drawings and specifications may be obtained after August 29, 1919, from the custodian of the site at Charlestown, W. Va., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

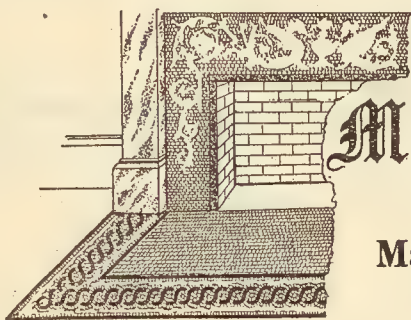
**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., August 15, 1919.—Sealed proposals will be opened in this office at 3 P. M., September 15, 1919, for the construction (except mechanical equipment) of a kitchen and mess hall for the United States Marine Hospital at New York, N. Y. (Stapleton). Drawings and specifications may be obtained from the Supervising Chief Engineer, Room 731, United States Custom House, New York, N. Y., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

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## PAINTING AS AN ASSET

Preservation, Beauty and Sanitation.

By DIXY WELLS,

A greater interest in paint and painting is being evidenced each day, and those interested in the merchandising of the decorative idea are selling painting rather than paint.

Of course, building managers, property owners, etc., actually buy cans or barrels of paint or varnish, selecting from the great array of colors shown on the average chart, and buy an old color without definite recommendations for service, and as a rule purchase at the lowest price—or perhaps some advertising has made a definite mental impression which predisposes the buyer in favor of certain trade-mark materials, but there is much more to painting than there is to paint.

Paint is merely a means to an end. The end is definite and constructive, and when properly applied saves millions of dollars, eases the nerves, protects the eyes and generally builds up the health of those who live within the painted walls.

A good paint salesman will sell the painting idea, will sell the service and the advantages which proper paint supplies. There is a definite distinction, you will see. Proper painting, varnishing, enameling, etc., will help to keep your tenants healthy.

Proper finishes, furthermore, preserve wood. Tests have shown that a floor which has been properly varnished from time to time lasts six and one-half times as long as flooring which is left unprotected. The same applies to the trim in buildings. You know how it is if a bit of plaster is chipped out, and it does not receive proper attention, soon the cracks lengthen and spread. Before long a big piece of the plaster falls down, entailing expense which could have been avoided.

You know the old saying, "A-stitch in time saves nine."

Rents can be substantially increased if rooms are properly decorated. Select a house, for instance, which is shabby and unkept and try to find a buyer. After an investigation people will refuse to buy—they are not sold through the sense of sight—they see the old, run-down place and refuse to purchase. Let this house be properly painted, the yard cleaned up, interior walls papered or calcimined, floors gone over, etc., and thou-

sands of dollars can be added to the sale price, a figure gained entirely out of proportion to the small expense of painting and decorating.

It is the same with building managers, who sell largely through this sense of sight. Convenience of arrangement, location, etc., are important factors, but the first impression has a powerful effect. A prospective tenant, run down at the heel, with clothes out of press, soiled linen and battered hat would undoubtedly be turned down by the manager of a first-class looking building merely on appearances, and the first impression is that he would not be a desirable tenant.

Tenants purchase space much on the same basis.

The best paints in these days have a sanitary feature which is not to be overlooked. There are certain wall finishes which contain an odorless disinfectant which is death to the average germ—that is, if they are stirred up in the dust or are in the air they immediately die upon coming in contact with the wall finish.

There are certain varnishes, gloss enamels, etc., tending to shed the dirt, and are easily washed. This factor is an aid in keeping rooms in a sanitary condition. One may enter a building and at first glance consider it clean and sanitary. But a little cleaner applied to a door reveals dirt and dust—both unsanitary.

It is well, therefore, to use finishes which can be easily cleaned. This saves the recurrent expense of frequent redecorating and gives a periodical freshness to offices.

In these days when soft coal is being burned in many cities, the windows in office buildings must be raised frequently for air; dust and dirt in quantity are carried in, and it is practically impossible to keep rooms clean at all times. However, proper paint and an adequate system of cleaning will greatly help.

The "looks" of a building is important because, as mentioned above, it makes its first and strongest appeal through the sense of sight, and practically everything is sold through the five senses—the sense of taste, smell, touch, sight, hearing—each one applying in a greater or less degree in accordance with the article in question.—*Building Management.*

## The Page "Ad"

"I like the clean, outstanding appeal of the page ad," said an advertiser recently," but I'll be frank to say that I've never been able to convince myself that it can be made to pay."

"Have you ever tried out a whole page?" he was asked.

No. He hadn't. But he knew what a page of space would cost, and he couldn't get away from a certain overhang of doubt that the additional results would prove commensurate with the extra outlay.

We mentioned Wanamaker, who uses a page a day regularly, varying this program now and then by making it two pages.

Oh, yes, of course. But then Wanamaker's case was quite different.

We asked him to point out "how" and "why."

The truth of the matter is that the page ad is just as much more effective than the small ad as the big show window is more effective than the small show window.

To be sure, in the case both of the ad and the window a whole lot necessarily depends on just what you put into them and how you dress it up.

It wouldn't be good business to buy a page of space in order to work off a string of poor sales-talk.

But, assuming that the sales-talk is "right" and the article it is designed to sell an article that has real merit and utility, the page ad is actually the short cut to results.

The first object of any ad is to get the attention of the reader.

Nothing does this more effectually than the page announcement.

We have in mind an advertiser who slips a page space into his regular schedule now and then just as an interest-reviver.

He tells us it pays big.

Whether it would pay as handsomely in **your** case, we are not in a position to say.

Why not try it out?

The cost is not excessive.

Call Mr. L. S. DeLone.

### THE BUILDERS' GUIDE

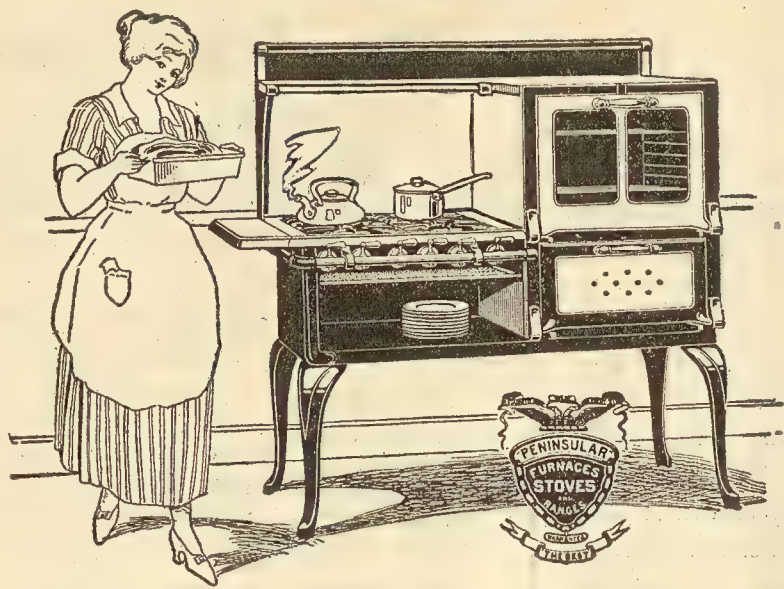
Pennsylvania's Oldest Architectural and Building Trades Magazine

In Continuous Publication 30 Years

Perry Building, Philadelphia.

Our specialty is Portland Cement that will stick and pass the City Department. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.





## Install this Range

IT IS RECOMMENDED  
MORE OFTEN AND  
MORE HIGHLY THAN  
ANY OTHER COOKING  
RANGE IN THE WORLD

## KLEIN STOVE CO.

Bell Phone, Market 3879

PHILADELPHIA, PA.

# CARTER CONCRETE

The Kind That Lasts

**Carter Concrete** PAVEMENTS,  
FLOORS, CONSTRUCTION—BUILT BY  
SPECIALISTS SINCE 1888—BUILT TO  
PREVENT CRACKING, CRUMBLING and  
DECAY—BUILT TO LAST.

ORIGINAL COST OF **Carter Con-  
crete** LOW—UPKEEP COST NEGLI-  
GIBLE.

SPECIALISTS IN CONCRETE ROADWAYS

*One of our Engineers will help  
you in Concrete Problems and  
gladly give you an Estimate.*

## CARTER PAVING COMPANY

639-41 N. 18th St., Philadelphia, Pa.

# LOW PRICES

The cost of  
Galvanized Metal

## CORNER BEADS

is now at new  
low ebb

Samples and Prices  
on request

## Pearce Fireproof Co.

1345 Arch Street, Phila.

Bell Phone, Locust 3924

Keystone, Race 4434



TRADE MARK  
Reg. U. S. Pat. Office

**Expanded Metal, Metal Laths, Self-  
Sentering, Fireproof Building  
Specialties and Waterproofings**

Are you familiar with the economy features  
of these materials? If not let us supply you with  
details and quote you on your requirements.

## THE GENERAL FIREPROOFING CO.

512 BULLETIN BUILDING

Philadelphia, Pa.

Prompt Deliveries from our Philadelphia Warehouse



# Reference Directory for Architects, Builders and Owners

## Artesian Wells.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Artists' and Architects' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blackboards.

William Moore Co.....1506 Sansom st., Phila.

## Blue Prints.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Blue Print Paper.

Blue Print Shop.....1520 Sansom st., Phila.  
Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Tapestry, Face, Common Paving)

O. W. Ketcham.....Builders' Exchange, Phila.  
'John S. E. Pardee & Co.....Heed Bldg., Phila.

## Builders.

Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.  
Samuel H. French & Co.....4th and York sts., Phila.  
F. C. Lotz's Sons, American and Dauphin sts.,

## Cement.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

F. C. Lotz's Sons, American and Dauphin sts.

## Columns (Metal).

Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.

Petronite Mfg. Co.....531 N. 9th st., Phila.

Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.

Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Contractors' Equipment.

Service Equipment Co.....Bourse Bldg., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Drawing Materials.

Chas. H. Robbins.....125 S. 11th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

Warren-Knight Co.....136 N. 12th st., Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

## Fences.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.

## Fire Doors and Shutters.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Fireproofing.

General Fireproofing Co. 512 Bulletin Bldg., Phila.

Metal Lathing Specialty Co.,  
2610 W. Huntingdon st., Phila.

McCalla Co., The Harold....531 N. 4th st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.

Truscon Steel Co.....Commonwealth Bldg., Phila.

## Floor Plates.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co. 1332 Arch st., Phila.

## Gas Water Heaters.

Apeldorn & Beatty Co....155 N. 9th st., Phila.

## Granite.

Holmesburg Granite Co.,  
Commercial Trust Bldg., Phila.

## Hauling Contractors.

Elmer Barber.....1127 Land Title Bldg., Phila.

## Heating Contractors.

Bowers Bros. & Co.....1629 Ludlow st., Phila.

## Heating Boilers.

Borden Stove Co.....1311-13 Arch st., Phila.

Fleck Bros. Co.....44 N. 5th st., Phila.

Keystone Supply and Mfg. Co., 927 N. 9th st.

Richardson and Boynton Co. 1332 Arch st., Phila.

## Hollow Tile.

O. W. Ketcham.....Builders' Exchange, Phila.

## Insurance.

Harris J. Latta.....Pennsylvania Bldg., Phila.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.

Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

Insurance Co. of North America,  
3rd and Walnut sts., Phila.

## Iron and Steel Bars and Plates.

Alan Wood Iron & Steel Co. Widener Bldg., Phila.

McCalla Co., The Harold....531 N. 4th st., Phila.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Levels.

Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

## Light Iron Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lumber.

Jas. M. Irwin & Co.....973 Beach st., Phila.

Janney Lumber Co. ....1147 Beach st., Phila.

Wm. Lloyd Co.....29th and Ridge ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.

Italian Marble Mosaic Co...433 Spruce st., Phila.

Roman-Cianci Co., Inc....3428 Warren st., Phila.

## Metal Lath.

Audubon Wire Cloth Co., Inc....Audubon, N. J.

General Fireproofing Co. 512 Bulletin Bldg., Phila.

McCalla Co., The Harold....531 N. 4th st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.

Truscon Steel Co.....Commonwealth Bldg., Phila.

## Metal Lath Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Metal Tiles and Shingles.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Meters.

Philadelphia Meter Co.,  
Real Estate Trust Bldg., Phila.

## Mill Supplies.

The Fairbanks Co.....7th and Arch sts., Phila.

## Paints and Varnishes.

The Barrett Company, New York and Phila.

French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

## Paving Bricks.

O. W. Ketcham.....Builders' Exchange, Phila.

John S. E. Pardee & Co.....Heed Bldg., Phila.

## Pipe Fittings and Valves.

The Fairbanks Co.....7th and Arch sts., Phila.

## Plumbing Fixtures.

Fleck Bros. Co.....44 N. 5th st., Phila.

Keystone Supply and Mfg. Co., 927 N. 9th st.,

Joseph Vogel Co.....Wilmington, Del.

Preservatives (Wood and Concrete).

The Barrett Co.....New York City and Phila.

## Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.

Henry M. Miller.....46-48-50 N. 2d st., Phila.

Richardson and Boynton Co. 1332 Arch st., Phila.

## Refrigerators.

Borden Stove Co.....1311-13 Arch st., Phila.

Henry M. Miller.....46-48-50 N. 2d st., Phila.

## Reinforcing Bars.

Morris Wheeler & Co. 30th and Locust sts., Phila.

Truscon Steel Co.....Commonwealth Bldg., Phila.

## Roofing.

The Barrett Co.....New York City and Phila.

## Roofing Tile.

O. W. Ketcham.....Builders' Exchange, Phila.

William Moore Co.....1506 Sansom st., Phila.

## Roofing Tin.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Roofing Slate.

William Moore Co.....1506 Sansom st., Phila.

## Safety Guards.

Audubon Wire Cloth Co., Inc....Audubon, N. J.

Kensington Metal Co.....1612 N. 2nd st., Phila.

## Sand.

Sidney Silica Sand Co.. 611 Widener Bldg., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

## Screens.

Thos. J. Malia.....141 Wentz st., Phila.

## Sewer Pipe.

Wm. H. Clausen....27th and Diamond sts., Phila.

## Steam Specialties.

Apeldorn & Beatty Co.....155 N. 9th st., Phila.

## Slate.

William Moore Co.....1506 Sansom st., Phila.

## Soundings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co.....Bourse Bldg., Phila.

John B. Rulon.....1355 Colwyn st., Phila.

## Structural Slate.

William Moore Co.....1506 Sansom st., Phila.

## Structural Steel.

McCalla Co., The Harold....531 N. 4th st., Phila.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

## Surety Bonds.

Harris J. Latta.....Pennsylvania Bldg., Phila.

Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.

Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

## Test Borings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.

Ridpath & Potter Co.....Bourse Bldg., Phila.

John B. Rulon.....1355 Colwyn st., Phila.

## Tile and Terrazzo Work.

Belfi Bros. & Co.....1923 Market st., Phila.

French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

Italian Marble Mosaic Co...433 Spruce st., Phila.

Petronite Mfg. Co.....531 N. 9th st., Phila.

Roman Mosaic & Tile Co...435 Green st., Phila.

William Moore Co.....1506 Sansom st., Phila.

## Tiling.

William Moore Co.....1506 Sansom st., Phila.

## Transits.

Warren-Knight Co.....136 N. 12th st., Phila.

F. Weber & Co.....1125 Chestnut st., Phila.

## Ventilators.

Merchant & Evans Co., 2035 Washington ave.

## Water Heaters.

Garfield S. Davis.....34 S. 17th st., Phila.

## Water Paint.

Wm. B. Southern,  
N. W. Cor. 12th and Spruce sts., Phila.

## Waterproofing.

The Barrett Co.....New York City and Phila.

## Water Supply.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Weather Strip (Metal).

American Metal Weather Strip,  
2118 Diamond st., Phila.

Thos. J. Malia.....141 Wentz st., Phila.

## Wheelbarrows.

The Fairbanks Co.....7th and Arch sts., Phila.

## Wire Work.

Audubon Wire Cloth Co., Inc....Audubon, N. J.

Kensington Metal Co.....1612 N. 2nd st., Phila.



1792

FOUNDED 1792

1919



## Insurance Company of NORTH AMERICA PHILADELPHIA

### ASSETS

|                                      |                 |
|--------------------------------------|-----------------|
| Bonds and Stocks.....                | \$24,280,745.19 |
| Cash in Banks.....                   | 2,395,335.33    |
| Premiums in course of transmission.. | 3,203,681.96    |
| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

### LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

Total Liabilities ..... \$30,801,413.40

Surplus to Policyholders..... \$ 12,922,516.93  
Losses paid since organization 203,147,689.78

### The Oldest American Stock Insurance Company

Fire Insurance  
Tornado  
Sprinkler  
Explosion  
Inland Transit  
Salesman's Floater

Automobile  
Use and Occupancy  
Builder's Risk  
Tourist  
War Risk

Cotton Insurance  
Marine  
Rent  
Leasehold  
Parcel Post  
Registered Mail



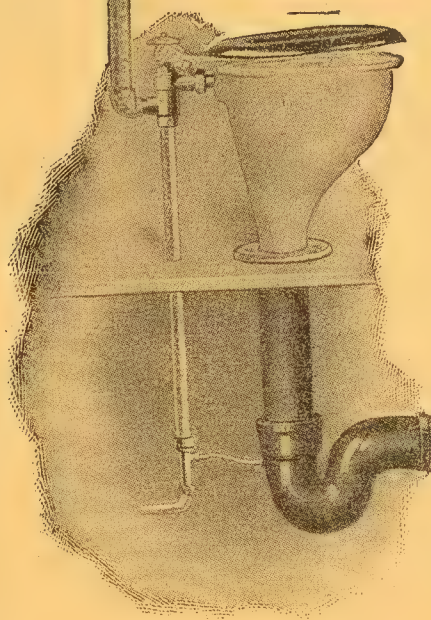
# VOGEL

PATENTED

## Frost Proof Closets

Over 350,000 giving satisfaction.  
Save Water; Require No Pit;  
Simple in the extreme. The most  
durable water closet made. In  
service winter and summer.

No. 1



Enameled roll flushing  
rim bowls.

Heavy brass valves.

Strong hard wood seat.

Heavy riveted tank.

Malleable seat castings  
will not break.

Sold by Jobbers Everywhere

### JOSEPH A. VOGEL CO.

WILMINGTON, DELAWARE  
ST. LOUIS, MO.



MANUFACTURERS OF

## DIAMOND AND RIBBED PATTERN Rolled Steel Floor Plates

SIZES FURNISHED ON APPLICATION



The trade-mark name

# ADELPHIA



on YOUR heating or cooking appliance is OUR guarantee that HONEST  
VALUE is beneath the name plate.

Since 1878 right here in Philadelphia, we have specialized in supplying  
dependable and up-to-date heating and cooking appliances.

Visitors always welcome at our centrally located daylight showrooms  
to inspect our sample lines.

Large and complete stocks in our warehouse insure speedy service.



BORDEN STOVE CO.

1311-1313 Arch Street

PHILADELPHIA



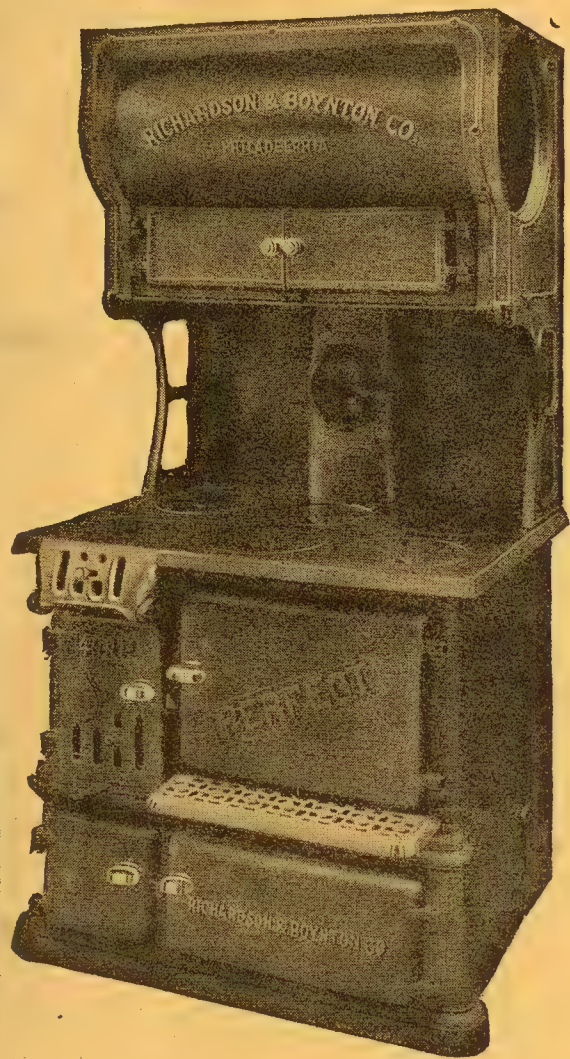
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND CLASS MATTER

Vol. XXXIV., No. 35  
August 27, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

LESS THAN ONE YEAR  
15 CENTS PER COPY

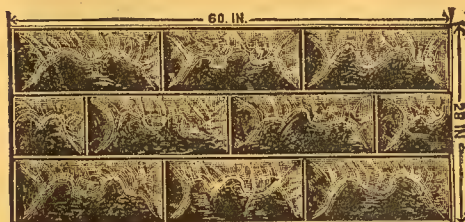
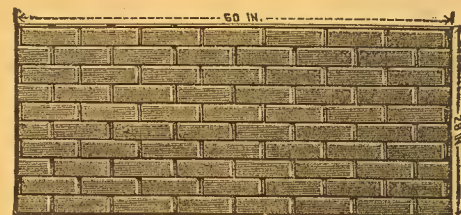


**Delivery Same Day  
Order is Received**

This is one of the famous  
**RICHARDSON Products**

Public Showroom:  
**1332 Arch St., Philadelphia**

## Steel Siding and Roofing in All Forms



**STEEL SIDING**—Plain Brick, Rock Face Brick, Rock Face Stone, Weather board and Beaded Ceiling or Siding in black painted or galvanized.

**STEEL ROOFING**—V-Crimped, Three V-Crimped, Plain or Self-Capping Roll, Roll and Capped and Pressed Standing Seam.

## "Merchant's" Metal Tiles and Shingles

**T**HIS economical form of roofing is storm, lightning and fire-proof. They are adaptable, pleasing in appearance and unexcelled for bungalows, garages, sheds, etc.



## MERCHANT & EVANS CO.

NEW YORK PHILADELPHIA WHEELING  
BALTIMORE ATLANTA CHICAGO  
CLEVELAND KANSAS CITY



## The NATIONAL CEMENT

**LEHIGH PORTLAND  
CEMENT COMPANY**

OFFICES

ALLENTOWN PA. - CHICAGO ILL. - SPOKANE WN.  
NEW YORK, N.Y. KANSAS CITY, MO. OMAHA, NEB.  
BOSTON MASS. MINNEAPOLIS, MINN. PITTSBURGH, PA.  
PHILADELPHIA PA. NEW CASTLE, PA. MASON CITY, IOWA.  
JACKSONVILLE, FLA. RICHMOND, VA.

*The National Cement*

**LEHIGH  
CEMENT**



## TRUSCON STEEL WINDOWS

Ready for immediate deliveries from our large Philadelphia warehouse.



## Reinforcing Bars

Cut to length or Fabricated Diamond, Mesh Lath, High Rib and Rib Lath, Corner Bead and Curb Bars.

*Write, wire or phone for valuable catalogue*

**TRUSCON STEEL COMPANY**

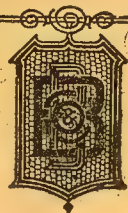
Formerly TRUSSED CONCRETE STEEL COMPANY

810 Commonwealth Building, Philadelphia



# Belfi Bros. & Co

MANUFACTURERS OF  
ART MARBLE MOSAICS  
TERRAZZO, CERAMICS, & C.  
INTERIOR MARBLE WORK  
TILES MANTLES  
FIRE PLACE FURNISHINGS



Office and Show Room  
1923 MARKET ST.  
Formerly 20 & 22 S. 19th St  
PHILADELPHIA  
Branch Office: Allentown, Pa.  
225 Commonwealth Bldg.

DESIGNS FURNISHED

## Dependable Delivery

Lime  
Stone  
Slag

Cement  
Bar Sand  
Slag Grit

Elk Fire Brick  
Jersey Gravel  
Pebble Grit

Elk Fire Clay  
Pebbles  
Stone Grit

## F. C. LOTZ'S SONS

American and Dauphin Streets  
Kensington 2250

Park 4790 A

Philadelphia



Why Waste Valuable Time Levelling up Your Work?

Insure the accuracy of your lines, grades, levels and angles by using a  
"Sterling" Convertible Builders' Level

Our latest Model No. 55 possesses time-saving features worthy of your investigation. In these days when time is money, it will pay big dividends on its cost.

Call at our Factory for a demonstration, or send for illustrated Pamphlet G.

We  
repair  
Transits  
Levels  
Tapes, &c.

## WARREN-KNIGHT CO.

FACTORY AND SALESROOM

136 N. 12th Street

PHILADELPHIA

Rebuilt  
Instruments  
For Sale  
or Rent

## SIDLEY SILICA SAND COMPANY

611 WIDENER BUILDING

PHILADELPHIA, PA.

Silica Sand and Rock for all purposes

Quotations and samples on Request

Quarry—Sidley—Chester County, Pa.

## CLAUSEN TERRA COTTA SEWER PIPE WALL COPING, FLUE LINING

And the right kind of Service. Get our Prices before  
placing your Next Order.

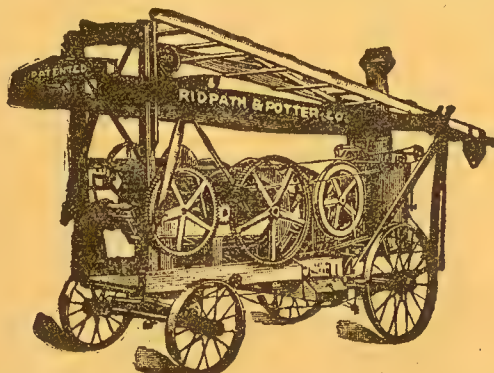
## WILLIAM H. CLAUSEN

27th and Diamond Streets

Philadelphia, Pa.

Diamond 608

Park 837



We Drill Wells and Get Water  
Test Borings and Soundings

LET US SUBMIT PRICES

## RIDPATH & POTTER CO

487 Bourse Building

Philadelphia, Penna.

# Daily Building News

Reliable, Advanced,  
Confirmed, Up-to-  
the-Minute, Infor-  
mation on Proposed  
Building Work in  
Philadelphia, East-  
ern Pennsylvania,  
Southern New Jer-  
sey and Delaware.



Let Us Show You  
How You Can Use  
This Service to In-  
crease Your Business.



## Building News Publishing Co.

Perry Building, Philadelphia

Bell Phone, Spruce 1611-12  
Keystone, Race 2799



## Metal Lath

Channels, Angles, Tie Wire Corner Beads

## Machine Guard Supplies

Expanded Metal, Perforated Metal, Angles,  
Rivets, Bolts, Washers, Cleats, Whitney Punches  
and Dies

## Galvanized Roofings and Sidings

Perforated and Expanded Metals

## Tanks

Welded      Formed

## Iron and Steel

of every description

### THE HAROLD McCALLA CO.

General Offices: 531-33 N. Fourth Street  
Philadelphia

#### WAREHOUSES:

444-48 Fairmount Avenue,  
438-40 Brown Street,

1911-13 N. Second Street,  
531-33 N. Fourth Street.



## PUBLIC PROTECTION

demands adequate fireproofing. We are specialists in metal lath construction and have facilities to assist in planning fireproof structures that will meet the public's demand for protection and the builder's approval for economy.

### Metal Lathing Specialty Co.

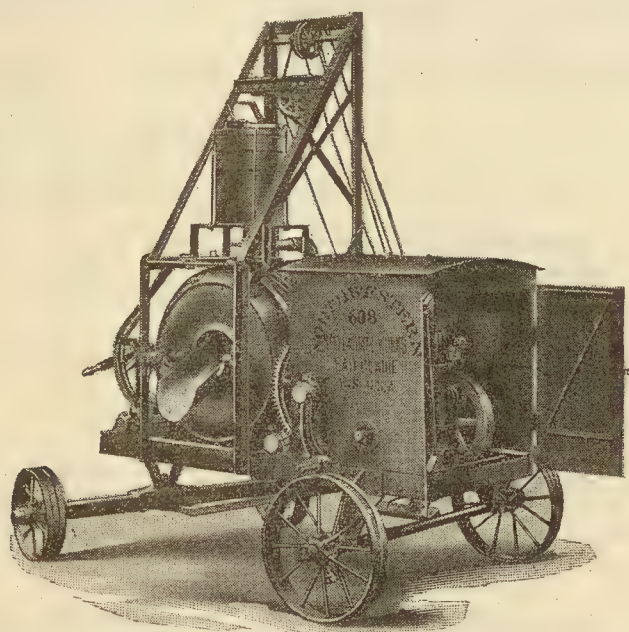
2610-24 West Huntingdon Street  
Philadelphia, Pa.

Bell Phone, Diamond 209      Keystone, Park 1478

## Money Saving and Service for the Contractor

For ROAD BUILDING and  
All Forms of

## CONCRETE CONSTRUCTION



NORTHWESTERN DRUM MIXERS combine the simplest, strongest form of construction. Sturdy, speedy, durable, dependable.

NORTHWESTERN MIXERS will serve you as well as they did the United States Government.

Special end-discharge Mixer for bridge, slab and alley work. Turns in its own length.

Serviceable, Trouble Proof, Frost Proof, Non-Slop.

### Service Equipment Co. Bourse Bldg.

Bell Phone,  
Lombard 490

PHILADELPHIA, PA.

## Iron and Steel

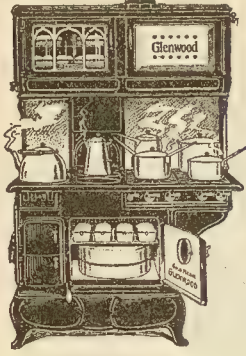
Immediate Deliveries  
of all Shapes and Sections  
Plain and Fabricated  
For All Purposes

### MONTGOMERY IRON & STEEL CO.

1832-40 North 9th Street

PHILADELPHIA





## Henry M. Miller

### GOLD MEDAL GLENWOOD COMBINATION COAL and GAS RANGES

Crown Furnaces and Globe Ranges  
Seamless Porcelain Lined Refrigerators

46-48-50 N. SECOND STREET, PHILA., PA.



## A Kenney Shower

Will make your daily bath quick, sanitary and invigorating. Stop bathing in the tub—getting out of water filled with impurities. Use the Kenney Shower and the last drop will be as clean as the first.

NO CURTAIN—NO SPLASH

The water hugs the body. Will not splash outside of tub. No curtain to keep clean. Fits any bath tub. Anyone can attach it.

Niagara Palm Beach  
\$7.50 \$15.00

See Running Water Display

**Fleck Bros. Co.**

Plumbing and Heating Supplies  
Display Rooms

44 to 50 N. 5th St. 506 Arch St.  
PHILADELPHIA

## WE CAN MOVE IT

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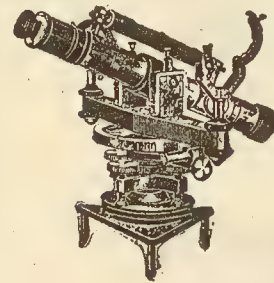
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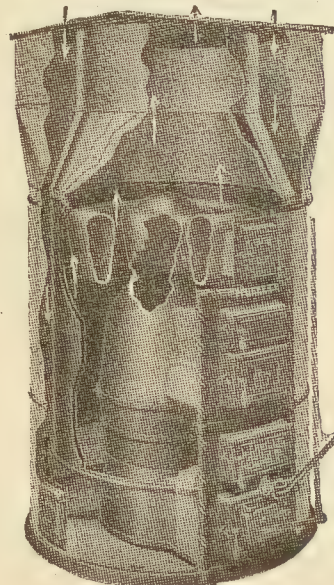
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 35

PHILADELPHIA  
August 27, 1919

## BUILDERS' GUIDE

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## As The Editor Sees It



THE construction industry has showed to advantage in cost and price investigation and has maintained clean hands and public confidence. Public elements in construction industry have rendered valuable service in advancing standards. Profiteering is the exception rather than the rule in current building activities, says the *American Contractor*, which continues:

"It must be a source of gratification to every man who would see the construction industry continue in America under the unrestrained initiative which, to date, has developed it, that charges of general profiteering in the days of a nation's necessities have not been directed toward it. It surely is the prudent business policy for every man in the industry to do his utmost to keep it above suspicion. The one and only way to prevent government control or government competition is to continue to render such service as leaves the general public satisfied that reasonable effort is being made to render maximum service at minimum costs.

"It is only when an investigation develops something rotten that wide publicity is given it. It is only when your neighbor beats his wife that the back fence gossip gets busy. Virtue may be its own reward, but it gets little if any publicity. The construction industry of the United States has been much investigated since January 1, 1919, and in no instance has there been discovered the sort of material which newspapers like to spread over their first page. The in-

dustry shows up with clean hands. It has not surrendered to the temptation to get all it can get while the getting is good. Construction costs did not go up in proportion to living costs. More construction can be bought today for a given amount of money than that amount will buy in any other field.

"This is a most striking fact when one considers the embarrassments under which the construction industry and building material manufacturers labored during the war. The public should be reminded of the industry's war sacrifices whenever the matter of prices is under discussion.

"Early in the war came the priority order of the shipping board whereby transportation facilities were withheld from building materials so long as these facilities were held to be essential in other fields. Later came the supervision of investments in building through the War Industries Board whereby it was all but impossible for a builder to obtain permission to finance a major building operation.

In February, 1918, came the fuel administration limiting the fuel supply of the window glass manufacturers to 50 per cent. of their normal demand. Then came that fateful April 13, 1918, when the fuel requirements of common building brick, face brick, paving brick and block, roofing tile, floor and wall tile were cut to 50 per cent. of normal; hollow tile and fire proofing, sewer pipe, drain tile and flue lining, on the same day,

were limited to 75 per cent. of normal fuel requirements. Later, cement manufacturers were cut to 75 per cent in their fuel supply.

"During December, 1917, January and February, 1918, throughout the central west and along the Atlantic seaboard there was no possibility of obtaining transportation for building materials other than those shipped to government orders.

"It is a waste of time now to debate the prudence of these policies. The hard fact is that these restrictive actions were taken and the production of building materials reduced from 25 to 50 per cent., and of this materially decreased supply the government diverted great quantities. Stocks everywhere were depleted. Producing organizations were disorganized.

"In November the armistice was signed. After a year of almost complete suspension of building activities it was inescapable that the building demand should be the greatest in history. But in the months prior to the armistice all building material production had been reduced. We had then a situation in which an unprecedented demand was set over against an unprecedented material shortage. The logic of that situation was unprecedented high prices, even if no unfavorable factors were in the equation.

Yet building construction costs did not advance as rapidly or as far as did food costs. The production of food was stimulated throughout the war. Food producers were favored on every occasion.

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We produced more food than ever before. The food supply was increased and at the same time by voluntary economies and forced conservation food consumption in the United States was cut down. The Federal Trade Commission shows that the storage houses in America had unheard of supplies on hand at the signing of the armistice. With an unprecedented supply of food on hand and only a normal demand, the logic of the situation, if no other facts were in the equation, would be falling prices. But prices did not fall. They have advanced so unreasonably that the public's suspicion has been aroused.

"The public and every person interested in the construction industry at this time should review some of the history of investigations in the latter field since the armistice. Probably the most complete was that undertaken by the Department of Labor early in January when it interested itself in stimulating building and construction work. Its first move was to gather a force of economists, trained in market investigating, and put them to work gathering from every nook and corner information on prices, stocks, market conditions, future prospects, and financial conditions.

"Late in February the Division of Public Works and Construction Developments in the Department of Labor, which made this investigation, began to say in the material released to the newspapers that investigations indicated construction costs and building material prices were relatively low, and, perhaps, the tendency of future prices would be upward. As the investigations were continued and evidence piled up, this statement of trend became more pronounced and in March, even in the face of the general popular belief that construction costs would come down, from the Department of Labor came the positive assurance that construction costs were far below other commodity costs and that the dollar would buy more structural products than it would buy in other commodities. At that time, also, it was announced that the price trend was up rather than down and instead of lower prices the future would bring higher prices. Subsequent events verified and justified those predictions.

"Following this investigation by the federal authorities other investigations were undertaken by state authorities. The State of Illinois made a thorough investigation of construction costs through a legislative committee. Here again the evidence brought the verdict that construction costs were lower than the general level of prices; that the future would see advances and that there was no reason why building activities and construction work should be longer delayed. Both the City of New York and State of New

York went in for an investigation. Out of these latter came a condemnation of rent profiteering, but at no place in the proceedings can you find evidence suggesting general profiteering in the building and construction field.

"The newspapers have not appeared with flaring headlines announcing 'No Profiteering in the Building and Construction Industry.' No one expects them to so appear. And yet it is just as vital to the country that a great industry is playing fair and holding to legitimate charges in days like these as is the fact that meat packers and millers are charging what appear to be excessive and profiteering prices.

"But virtue is its own reward. In this instance the reward has been the absence of anything like a concerted movement for government regulation of the industry and the popular lack of interest in those plans for federal housing activities which have been suggested.

"The public appears to take this attitude. Why interfere with this construction industry when it is rendering reasonably efficient service and charging less for that service, relatively, than other industries are charging for their services?

"Why has the construction industry kept close to legitimate and ethical standards? The public may not be interested in this question, but it is worth while for those of us who are a part of the great industrial fabric. Is it because of the professional elements which profoundly influence policies in the construction industry? The engineers and architects, in maintaining professional standards, have rendered the industry a most valuable service. President Thomas R. Kimball's address before the American Institute of Architects' convention at Nashville, D. Knickerbacker Boyd's address on 'The Architect as a Citizen' in the same convention; President Fayette S. Curtis' address in the Minneapolis convention of the American Society of Civil Engineers—these are examples of the gospel of service preached day in and day out in the construction industry by men who are not prone to hold profits above service, and we cannot fairly withhold from these professional elements much credit for keeping up the standards in the construction industry. The vision of those who are directing the policies of the National Federation of Construction Industries and the Associated General Contractors of America, also has been and is an important and helpful factor.

"This is the idealism which, in the long run, pays a very handsome dividend. First it inspires an honest service. An honest service and a job well done inspire public confidence. Public confidence is the chief asset of every industry. When

public confidence is dissipated government interference is inevitable.

"Thus far our hands are clean. It is purely a prudent business policy—leaving out of the question the matter of self-respect—that we do not stain with the blood money of profiteering the hands to which the people have entrusted the task of building the nation's homes."

\* \* \*

Master Builders' Exchange modifies resolution made in February regarding no changes in wages and has sent the following letter, dated August 14, 1919, to all its members:

"Your attention is called to the following resolution adopted by the Advisory Board of the Exchange:

"Whereas, the February resolution regarding no changes in wages in building work was modified at the request of labor interests so far as to permit new wage agreements to be made governing work for 1919, it is therefore

Resolved by the Advisory Board of the Master Builders' Exchange that such agreements having been made and put into effect shall be observed to date of their termination by every member of each Association constituting the Advisory Board of the Master Builders' Exchange, and be it further

Resolved, that this resolution shall be given the widest possible publicity."

Very truly yours,

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# Advance Construction News

CONTEMPLATED CONSTRUCTION: ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Bank Building**, Girard and Frankford avenues, Philadelphia. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owners, Kensington National Bank, care of Charles Delaney, president, Southwest Corner Girard and Frankford avenues. Alterations to present building and new additions. Sketches being drawn. Too early for details.

**Business Building (alts. and add.)**, 1425 Walnut street, Philadelphia. Architects, Hoffman Henon, Inc., Finance Building, Philadelphia. Owners, F. H. Bachman & Co., 1512 Chestnut street, Philadelphia. Brick and steel, 4 stories, 18x30 feet, slag roof, mosaic and terrazzo floors, concrete foundations, steam heat, electric light, marble work, roof ventilators, rolled steel skylights, waterproofing, marble work, iron work. Architects have received bids.

**Enclosure for Elevator Shafts at Towers Nos. 5 and 11**, Shipbuilding Way No. 2, Navy Yard, Philadelphia, Spec. 3915. Architect, private plans. Owners, United States Government, Office of Public Works, Navy Yard, Philadelphia. Galvanized corrugated steel, 8x10x162 feet and 8x10x80 feet, concrete foundations, rolled steel doors. Owners taking bids due August 27th. Albert Zellfelder, 151 South Broad street, and Lam Building Co., 1001 Wood street, are figuring.

**Store and Garage**, 919-21 North Broad street, Philadelphia. Architect, private plans. Owner, Louis J. Kolb, West School lane, Germantown. Brick, 1 story, 40x160 feet, slag roof, cement and pine floors, steam heat, electric light. Owner has received bids.

**Apartment Building**, Southeast Corner Sixteenth and Locust streets, Philadelphia. Architect, Frederick Webber, Morris Building, Philadelphia. Owner, name withheld. Brick, reinforced concrete, steel, Indiana limestone, granite, 15 stories, 119½x99½ feet, slag roof, cement floors, hollow tile, metal lath, elevators, dampproofing, concrete foundations, steam heat, electric light, tile, marble and terrazzo work. Architect taking sub-bids.

**Hotel Apartment**, Northwest Corner Nineteenth and Walnut streets, Philadelphia. Architects, Price & McLanahan, Bellevue Court Building, Philadelphia. Owner, Rittenhouse Plaza Co., care of architect. Brick, steel and reinforced concrete, 20 stories, 135x100 feet, tile and slag roof, reinforced concrete, cement and oak floors, hollow tile, metal lath, (5) elevators, concrete foundations, steam heat, electric light, tile and marble work, fire and kalamein doors, iron stairs, ornamental iron work. Architects will take preliminary bids in a few days.

**Dwellings (92)**, Sixty-first and Chester avenue, Sixtieth and Chester avenue, and Edgewood street and Chester avenue, Philadelphia, \$418,500. Architect, private plans. Owner, Burton C. Simon, Nineteenth and Passyunk avenue, Philadelphia. Brick, 2 stories, 16x48

feet and 15x28 feet, 12x12 feet, hot water heat, slag roof. Owner will build.

**Dwellings (2)**, 1310-12 Foulkrod street, Philadelphia, \$20,000. Architect, private plans. Owner, William A. France, 1316 Foulkrod street, Philadelphia. Brick and stone, 3 stories, 16 feet 4 inches x49 feet 8 inches, hot water heat. Owner will build.

**Dwellings (41)**, 900-938 and 901-941 Marlyn road, Philadelphia, \$246,000. Architect, private plans. Owner, Moss & Taylor, Fifty-eighth and Girard avenue, Philadelphia. Brick, 2 stories, steam heat, central plant. Owners will build.

**Garage**, West side Kensington avenue, North of "J" street, Philadelphia. Architect, private plans. Owner, Louis Kober, 3444 Kensington avenue, Philadelphia. Brick, 1 story, 122x18 feet, 117x18 feet. Owner will build.

**Dwellings (4)**, East side Eighty-sixth street, North of Harley avenue, \$8,800. Architect, private plans. Owner, John E. Droscher, 5946 Trinity Place, Philadelphia. Brick, 2 stories, 16x26 feet, hot water heat. Owner will build.

**Garage (add.)**, Woodland avenue, West of Fifty-ninth street, \$12,000. Architect, private plans. Owner, J. Joseph McHugh, 1430 South Penn Square, Philadelphia. Brick, 1 story, 47x79 feet. Owner will build.

**Dwellings (24)**, Marvine street, South of Courtland street, \$120,500. Architect, private plans. Owner, F. C. Scheid, 4713 North Broad street, Philadelphia. Brick, 2 stories, slag roof, hot water heat. Owner will build.

**Office Building**, southwest corner Arch and Juniper streets, Philadelphia. Architect, Edgar V. Seeler, Juniper and Chestnut streets, Philadelphia. Owner, The Evening Bulletin, Juniper and Filbert streets. Brick, steel, concrete and terra cotta, 5 stories, steam heat, electric lighting. Plans in progress. Too early for details.

**Residence (alts.) to Apartments**, 1905 Diamond street. Architect, J. Wilmer Thompson, 703 South Sixtieth street, Philadelphia. Owner, name withheld. Changing partitions, electric lighting, hot water heat, oak floors, plumbing, tile and marble work. Owner and architect have received bids.

**Apartment House**, Eleventh and Duncannon streets, Philadelphia. Architect, Conrad B. Neff, Otis Building, Philadelphia. Owner, Harold C. Irvin, 721 Walnut street, Philadelphia. Brick and stone, 4 stories, 40x70 feet, slag roof, hardwood floors, hot water heat, electric light, tile and marble work. Owner taking sub-bids.

**Residence (alts. and add.) and Garage**, Melrose Park, Pa. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, A. Blumenthal, 5207 North Broad street, Philadelphia. Plans in progress. Too early for details.

**Stores and Dwellings (5)**, Northwest Cor-

ner Second and South streets, Philadelphia. Architect, E. Allen Wilson, 1218 Chestnut street, Philadelphia. Owner, Isador Milgram, Commonwealth Building, Philadelphia. Brick and stone, 3 stories, 16x46 feet, slag roof, pine floors, hot water heat, electric light, tile work, flush bulks. New plans completed. Owners will take bids in a few days (sub-bids).

**Shop and Warehouse**, Fox and Clearfield streets, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Ridpath & Potter, Bourse Building, Philadelphia. Architect and owners have received bids.

**Office Building**, Twentieth and Indiana avenue, Philadelphia. Architect, H. Childs Hodgkins, 130 South Fifteenth street, Philadelphia. Owners, Freihofer Baking Co., Twentieth and Indiana avenue. Brick, steel and terra cotta, 1 story, 50x110 feet, built-up roof, composition floors. Revised plans in progress.

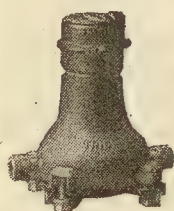
**Building (alts. and add.)**, Sixtieth and Master streets, Philadelphia. Architect, William C. Klein, Jr., 1519 North Fifty-sixth street, Philadelphia. Owner, Overbrook Bank, care of architects. Brick, 3 stories, steam heat, electric light, pine floors, iron work, brick and mill work, tin roof, carpentry, gas fitting, plumbing. Architect taking bids due August 27th. Smith-Hardican Co., 1606 Cherry street, figuring.

**Residences (32)**, Sixty-second and Lebanon avenue. Architect, E. Allen Wilson, 1218 Chestnut street, Philadelphia. Owner, John F. McGinty, Sixty-fifth and Lebanon avenue. Brick and stone, 2 stories, 16x48 feet, garages in basements, slag roof, oak floors, hot water heat, electric light, tile and marble work. Owner will take sub-bids in one week.

**Residence (alts.)**, 1104 North Fortieth street, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street. Owner, Samuel Lerman, on premises. Interior and exterior alterations. Architects taking bids. Lam Building Co., 1001 Wood street; M. H. McCloskey, Jr., 1620 Thompson street, and F. B. Davis, 240 North Sixteenth street, are figuring.

**Sales and Service Building**, 1821 Market street, Philadelphia. Architect, Frederick Webber, Morris Building, Philadelphia. Owner, Edgar W. Koons, 911 Filbert street. Brick, terra cotta, 2 stories and mezzanine, 22x180 feet, cement and pipe floors, hollow tile, rolled steel skylights, stone foundations. Architect taking bids due August 27th. Thomas C. Trafford, 1613 Sansom street; Albert Zellfelder, 151 South Broad street; Standard Construction Co., 1713 Sansom street, and H. H. Wehmeyer, 509 West Cumberland street, are figuring.

**Store and Office Building**, 4449-51 Main street, Manayunk. Architect, Amos W. Barnes, 1507 Arch street, Philadelphia. Owner, Joseph Maurer Estate, 4345 Main street, Mana-



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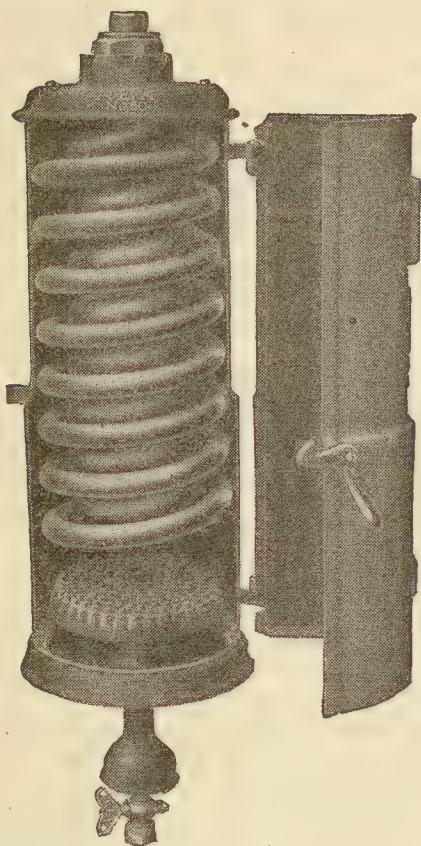
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yunk. Brick, 2 stories, 40x55 feet, slag roof, maple floors, stone foundations, steam heat, electric light, tile and marble work, plumbing, hollow metal skylights. Architect ready for bids in a few days.

**Dwellings (16)**, (6) Ogontz avenue and Colonial street, and (10) Sixty-fifth avenue and Ogontz avenue, Philadelphia, \$68,100. Architect, private plans. Owner, William O. Mahon, 6752 Old York road, Philadelphia. Brick, 2 stories, 15½x40½ feet and 15x28½ feet, 12x12 feet, hot water heat, slag roof. Owner will build.

**Residence**, Cliveden st. and Lincoln Drive. Architect, Mahlon H. Dickinson, 1705 Chestnut street, Philadelphia. Owner, Samuel Stern, 210 North American Building, Philadelphia. Brick, 2½ stories, 25x42 feet, slate roof, pine and oak floors, stone foundations, tile work, iron work (heat and electric light reserved). Architect has received bids.

**Warehouse and Office Building**, Wolf, Ritner, Water and Swanson streets. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owners, Pottash Bros., 612 N. American street, Philadelphia. Brick, 20 feet high, 400x300 feet, and brick and stone, 2 stories, 25x48 feet, slag and asphalt roof, asphalt and maple floors, hot water and steam heat, electric lighting, reinforced concrete foundations, hollow metal and kinnear doors, rolled steel sash, hollow metal skylights, plumbing, cabinet work. Architect taking bids. Ketcham & McQuade, 1029 Brown street, are figuring.

**Store and Warehouse (alts. and add.)**, 603 North Second street, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owners, Schechter Bros., 607 North Second street, Philadelphia. Brick, 3 stories, rear addition, 20x45 feet, slag roof, reinforced concrete and pine floors, steam heat, electric light, marble work, plumbing, hollow metal skylights, flush bulk, metal ceilings, new front. Owners are taking bids.

**Apartments, Store and Garage**, Market street, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, Jos. Lever, 2714 Somerset street, Philadelphia. Brick and steel, 2 stories, 61x70 feet and 2 stories, 75x145 feet, slag roof, hardwood, composition and cement floors, steam and hot water heat, electric light, tile and marble work, rolled steel skylights and sash, rolling steel doors, flush bulks, roof ventilators, metal ceilings, dampproofing (gasoline storage system reserved). Owner will be ready for bids in one week.

**Club House (alts. and add.)**, 1221-23 Locust street, Philadelphia. Architect, Wm. Woodburn Potter, 1709-11 Real Estate Trust Building, Philadelphia. Owners, Princeton Club of Philadelphia, 1221 Locust street. Brick, 3 stories, fire tower, 10x18 feet, slag roof, tile work, iron work, cut stone, carpentry, mill work, plumbing (electric work reserved). Architect taking bids, due September 3rd. Thos. C. Trafford, 1613 Sansom street; the Nardi Co., Bulletin Building; J. Sims Wilson Co., 1125 Brown street; J. M. Yardley Co., 1716 Sansom street; Hogg Const. Co., Denckla Building, are figuring.

**Residences (3 pairs)**, Oak Lane, Philadelphia. Architects, Folsom & Stanton, 1328

Walnut street, Philadelphia. Owner, Norman Barr, Fifth street, below Cheltenham avenue, Oak Lane. Hollow tile, brick and plaster, 2½ stories, 40x50 feet, slate roof, oak floors, stone foundations, hot water heat, electric light, tile work. Plans completed. Owner will award contract.

**Market House (repairs)**, S. Second street, between Lombard and South street, and N. Second street, between Poplar and Brown streets, Philadelphia. Engineers, private plans. Owners, City of Philadelphia, Bureau of Public Works, 113 City Hall. General interior alterations. Lowest bidder, E. C. Durell, 1713 North Twenty-fourth street, Philadelphia.

**Bank Building (alts.)**, southwest corner of Seventh and Walnut streets, \$18,150. Architects, Furness Evans Co., Franklin Bank Building, Philadelphia. Owners, Philadelphia Savings Fund, on premises. Interior and exterior alterations. Architects will superintend construction.

**Dwellings (8)**, Arrott street, east of Oakland street, \$48,000. Architect, private plans. Owner, Elmer B. Hampton, 3336 North Broad street, Philadelphia. Brick, 2 stories, 16x45 feet, hot water heat. Owner will build.

**Garage**, Springfield avenue, east of Fifty-first street, Philadelphia, \$3,500. Architect, private plans. Owner, Wm. W. Chambers, on premises. Brick, 1 story, 109 feet 5 inchesx 18 feet. Owner will build.

**Tenement (add.)**, Eleventh and Duncannon streets, Philadelphia, \$6,500. Architect, private plans. Owner, C. N. Irwin, 721 Walnut street, Philadelphia. Brick, second, third and fourth stories addition, 9x10 feet and 30x40 feet. Owner will build.

**Dwellings (17)**, Green street and Washington Lane and Tulpehocken streets, \$192,000. Architect, private plans. Owners, Philadelphia Housing Corporation, 4938 Green street, Philadelphia. Brick, 3 stories, 20x35 feet and 30x32 feet, steam heat, asbestos shingle roof. Owner will build.

**Dwellings (14)**, Larchwood avenue, west of Forty-sixth street, Philadelphia, \$140,000. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, C. R. Siegel, 47th and Larshwood avenue. Brick, 3 stories, 20x42 feet, hot water heat. Owner will build.

**Dwellings (3) and Garage**, Twelfth and Loudon streets, Philadelphia, \$16,000. Architect, private plans. Owner, M. Cylinder, 531 Mifflin street, Philadelphia. Brick, 2 stories and 3 stories, 15x56 feet and 15x33 feet, 12x 23 feet, hot water heating. Owner will build.

**Residence**, Sixty-third and Overbrook avenue, Philadelphia. Architect, private plans. Owner, Mrs. E. N. Mitchell, on premises. Stone and plaster, 2½ stories, 31x36 feet, slate roof, pine and oak floors, stone foundations, hot water heat, electric light, tile work, iron work. Bowden Const. Co., 1713 Sansom street, taking sub-bids.

**Factory, Store and Warehouse**, 234-236 S. Second street, Philadelphia. Architect, private plans. Owner, Jos. Judovich, 232 South Second street, Philadelphia. Brick, concrete, slow burning, 3 and 2 stories, 32x289 feet, slag roof, cement floors, steam heat, electric light. Owner taking subbids.

**Recreation Centre**, Twenty-sixth and Jefferson streets, Philadelphia. Architect, Philip

## ATTENTION—Contractors, Material Men, Sub-Contractors

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H. Johnson, 1713 Sansom street, Philadelphia. Owners, City of Philadelphia, Board of Recreation, 587 City Hall, Philadelphia. Excavation, filling, embankments, concrete coping and cast iron pipes, etc. Owners taking bids, due September 2nd. Plans may be obtained from architect's office.

**Motion Picture Theatre**, Germantown avenue and Hilton street, Philadelphia. Architect, private plans. Owner, W. C. Carman, 1220 Allegheny avenue, Philadelphia. Reinforced concrete and steel, 1 story, 85x150 feet, reinforced concrete roof and floor, vapor heating, electric lighting, tile work, fire doors. Owner is taking sub-bids.

**Police Station (improvements)**, 321 Fairmount avenue, Philadelphia. Architect, Jos. A. Roletter, 825 City Hall, Philadelphia. Owners, Department of Public Safety, City Hall, Philadelphia. Carpentry, mill work, plastering, wire lath, painting. Owners taking bids, due September 3rd. Mitchell Bros., 2125 Race street; Bowden Const. Co., 1713 Sansom street; E. C. Durell, 1613 North Twenty-fourth street, are figuring.

**Laboratory**, Front and Erie avenue, Philadelphia. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owners, Hess-Bright Manufacturing Co., on premises. Brick and plaster and steel, 2 stories, 43x105 feet, tile and shingle roof, cement floors, metal lath, stone foundations, steam heat, electric lighting, iron work. Architect is sub-letting all contracts.

**Factory, Boiler and Engine Room**, Third and Lehigh avenue, Philadelphia. Architects. Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, American Preserve Co., Inc., Wayne C. Meschter, president, 946 Beach street, Philadelphia. Brick and concrete, 5 stories, 80x250 feet and 70x50 feet, slag roof, cement floors, hollow tile, metal lath, 2 elevators, safety treads, roof ventilators, concrete foundations, steam heat, electric light, rolled steel sash, fire and kalamein doors, ornamental iron work. Architect is ready for bids.

**Store and Residence (alts. and add.)**, 1010 Girard avenue, Philadelphia. Architects, Hoffman Henon, Inc., Finance Building, Philadelphia. Owner, Samuel Cooper, 1010 Girard avenue, Philadelphia. Brick and steel, 2 stories, 9x19 feet, slag roof, yellow pine floors (heat reserved), electric light, stone foundations, marble and terrazzo work, mill work, plumbing, fireproofing. Architects taking bids (revised), due August 29th. F. B. Davis, 240 N. Sixteenth street; Smith-Hardican Co., 1606 Cherry street; F. I. Mintz, 1618 North Twenty-seventh street, are figuring.

**Residence (alts. and add.)**, 1936 Spruce st., Philadelphia. Architect, Edwin H. Fetterolf, 1524 Chestnut street, Philadelphia. Owner, Edmund B. Piper, M. D., 1936 Spruce street, Philadelphia. Brick, 4 stories, cut stone, plastering, carpentry, mill work, hot air heating, rolled steel skylights, plumbing, plastering. Architect taking bids, due August 29th. H. H. Burrell, 206 South Quince street; H. E. Grau Co., 1709 Sansom street, Philadelphia, are figuring.

**Dwelling**, Tulpehocken street, west of Greene street, Philadelphia, \$16,000. Architect, private plans. Owners, Philadelphia Housing Corp., 4938 Greene street, Philadel-

phia. Brick, 3 stories, 30x32 feet, hot water heat. Owners will build.

**Dwellings (2)**, Fanshawe street, west of Bingham street, Philadelphia, \$8,200. Architect, private plans. Owner, Wm. Pietschke, 1204 North Seventh street, Philadelphia. Brick, 2 stories, 15x39 feet. Owner will build.

**Convent Building**, Frankford, Philadelphia. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, St. Joachim's R. C. Church, care of Rev. Father P. Fitzmaurice, premises. Stone, brick and steel, 3 stories, 34x86 feet, slate roof, oak floors, stone foundations, tile work, hollow metal sash (heating, plumbing and electric light reserved). Architects taking bids, due August 30th. Wm. R. Dougherty, 1610 Sansom street; Roger Atkinson, Builders' Exchange; Frank G. Stewart, 1619 Sansom street; Jacob Myers & Sons Co., Witherspoon Building, and James J. Murphy, 1719 South Fifty-sixth street, are figuring.

**Forge Shop (extension)**, Shell and Case Shop Building, Frankford Arsenal, Philadelphia. Architects, private plans. Owners, U. S. Government, care of Commanding Officer, Frankford Arsenal. Brick, concrete and steel. Owners taking bids, due September 9th at 2 P. M.

**Factory**, 1724 North Hancock street, Philadelphia. Architect, H. B. Weldon, 10 South Eighteenth street, Philadelphia. Owner, Kelly Hughes, on premises. Brick and steel, 3 stories, 52x54 feet, slag roof, maple floors, stone foundation, rolled steel sash and rolling steel doors (heating and electric lighting reserved). Architect taking bids, due August 29th. F. L. Hoover & Son, 1023 Cherry street; Wm. R. Dougherty, 1610 Sansom street; Smith-Hardican Co., 1606 Sansom street; J. Sims Wilson Co., 1125 Brown street, and F. G. Stewart, 1619 Sansom street, are figuring.

**Office, Garage and Lumber Shed**, Third below Girard avenue, Philadelphia. Architect, H. B. Weldon, 10 South Eighteenth street, Philadelphia. Owner, Howard Ketcham, on premises. Brick, concrete and frame, 1 story, 100x200 feet, slag and wood roof, electric lighting. Plans in progress. Will be ready for bids in a few weeks.

**Heat Treatment Building, Finishing Machine Shop and Half Yard Runway**, Nicetown, Philadelphia. Architects, Constructing Officer, Nicetown, Philadelphia. Owners, Midvale Steel and Ordnance Co., Nicetown, Philadelphia. Corrugated iron, steel, brick, 2 and 1 stories, 74x460 feet, and 1 story, 180x560 feet, Barrett roof, cement floors (heating and electric work reserved), rolled steel sash, iron stairs, iron work, roof ventilators, plumbing, painting and glazing. Owners taking bids, due September 2nd. F. W. Mark Cont. Co., Commercial Trust Building; Barclay White Co., 1713 Sansom street; F. G. Stewart, 1619 Sansom street; Wm. Steele & Sons Co., Sixteenth and Parkway; George F. Pawling Co., 1432 South Penn Square; A. R. Raff Cont. Co., 1635 Thompson street; Ketcham & McQuade, 1029 Brown street; Irwin & Leighton, 126 North Twelfth street; W. W. Anstine & Co., 1218 Filbert street, and McClintock-Marshall Co., Morris Building, are figuring.

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## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man  
and Interior and Exterior Fitter.

**Dwelling**, Bustleton avenue and Fulmer street, Philadelphia, \$10,000. Architect, private plans. Owner, M. Y. Neely, 4628 Spruce street, Philadelphia. Stone, 3 stories, 39x30 feet 4 inches, and 1 story, 19 feet 10 inchesx16 feet 8 inches, hot water heating. Contract awarded to C. Herbert Weiss, Bustleton, Pa.

**Dwellings (5) and Store**, Longshore street, east of Ditman street, \$25,000. Architect, private plans. Owner, Thomas W. Smith, Tacony, Philadelphia. Brick, 20x22 feet and 16½x32 feet, slag roof. Contract awarded to Edward Mattis & Son, 4412 Wingohocking street.

**Dwellings (2)**, Ditman street, south of Longshore street, \$7,600. Architect, private plans. Owner, Thos. W. Smith, Tacony, Philadelphia. Brick, 2 stories, 16 feet 4 inchesx40 feet, slag roof. Contract awarded to Edw. Mattis & Son, 4412 Wingohocking street.

**Children's Home (add.)**, 627 North Forty-third street, Philadelphia, \$2,500. Architect, private plans. Owners, House of the Holy Child Corp., 625 North Forty-third street, Philadelphia. Brick, 1 story, slag roof, hot water heat, electric light. Contract awarded to Jos. Chorley, 1911 Kater street, Philadelphia.

**Apartment House (alt. and add.)**, 5302 Walnut street, Philadelphia, \$4,000. Architect, private plans. Owner, Anna M. Porter, 5300 Walnut street, Philadelphia. Brick, 2 stories, 16x14 feet, general alterations. Contract awarded to John W. Porter, on premises.

**Dwelling (add.)**, 377 Gowan avenue, Philadelphia, \$3,000. Architect, private plans. Owner, Wm. J. Graham, on premises. Brick, 2 stories, 17x12 feet. Contract awarded to Charles J. W. Platt, 1015 Arch street, Philadelphia.

**Garage**, 2624-28 South Eighteenth street, Philadelphia, \$3,000. Architect, private plans. Owner, Michael Waugh, 2540 South Seventeenth street, Philadelphia. Brick, 1 story, 100x50 feet. Contract awarded to Robt. McCurdy, 1925 McKean street, Philadelphia.

**Warehouse**, Tasker and Meadow streets, \$24,000. Architect, private plans. Owners, McCahan Sugar Refining Co., on premises. Iron, 1 story, 325x50 feet. Contract awarded to Bedmont Iron Works, Twenty-second and Washington avenue.

**Garage and Shop**, southeast corner of Queen and Knox streets, Philadelphia, \$8,000. Architect, private plans. Owner, Edw. W. Raschke, 326 West Cheltenham avenue, Philadelphia. Brick, 2 stories, 60x18 feet, 16x3 feet, slag roof, cement floor. Contract awarded to A. L. Fretz & Son, 1215 Filbert street, Philadelphia.

**Dwelling (alts. and add.)**, southeast corner of Queen and Knox streets, Philadelphia, \$6,000. Architect, private plans. Owner, Edw. W. Raschke, 326 West Cheltenham avenue, Philadelphia. Hollow tile, 2 stories, 16x14 feet, and 1 story, 10x11 feet. Contract awarded to A. L. Fretz & Son, 1215 Filbert street, Philadelphia.

**Garage (add.)**, southwest corner of Sixty-second and Locust streets, Philadelphia, \$6,000. Architect, private plans. Owner, G. M. Snyder, 1119 South Sixty-first street, Philadelphia. Brick, 1 story, 40x100 feet, slag roof, cement floor. Contract awarded to J. L. Snyder, 1119 South Sixty-first street, Philadelphia.

**Residence (alts. and add.)**, Eighth and Boulevard, Philadelphia. Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, J. S. Christie, 1345 Arch street, Philadelphia. Brick, 2 stories, irregular size, stone foundations, slag roof, oak floors, hot water heat, electric light. Contract awarded to E. J. Krietzburg, Broad and Arch streets, Philadelphia.

**Residence (alts.)**, 6715 Emlen street, Germantown, Philadelphia, \$4,750. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Henry T. Paiste, 6715 Emlen street, Germantown, Philadelphia. Mill

work, carpentry, tile work, parquet floors, plumbing, alterations to heat and electric work, brick, 2 stories, 13 feet 9 inchesx12 feet. Contract awarded to Tourison & Tourison, 1011 Chestnut street, Philadelphia.

**Garage (add.)**, Eastburn street, west of Limekiln Pike, \$3,000. Architect, private plans. Owner, Robt. Cavis, 2018 Haines street, Philadelphia. Brick, 1 story, 45x70 feet. Contract awarded to R. A. Waltz, 6610 North Seventh street, Philadelphia.

**Store and Dwelling (add. and alts.)**, 209 Vine street, Philadelphia, \$4,400. Architect, private plans. Owner, G. Prentiss, on premises. Brick, 2 stories, 12x24 feet. Contract awarded to M. Yellin, 712 North Franklin street, Philadelphia.

**Warehouse and Store (alts.)**, 1315 Vine st., Philadelphia, \$6,110. Architect, private plans. Owner, Jacob Gold, 228 North Thirteenth st., Philadelphia. Repair fire damage. Contract awarded to C. F. Roeger, 51 North Hutchinson street, Philadelphia.

**Office Building**, northwest corner of Thirteenth and Market streets, Philadelphia, \$3,000,000. Architect, name withheld. Owners, Felt Bros., 140 South Fifty-second street, Philadelphia. Brick, concrete and steel, 20 stories, 75x230 feet, reinforced concrete and cement floors, hollow tile, metal lath, elevators, concrete foundations, steam heat, electric light, tile and marble work, rolled steel skylights. Contract awarded to Thompson Starratt Co., 49 Wall street, New York City.

**Residence (alts.)**, Jefferson and Cliveden streets, Philadelphia. Architect, private plans. Owner, A. H. Miller, on premises. Mill work, carpentry, stair work, plastering, hardware. Contract awarded to H. John Homan Co., 34 South Seventeenth street, Philadelphia.

**Dwelling**, 2462 N. Thirty-second st., Philadelphia, \$3,250. Architect, private plans. Owner, A. Keil, on premises. General alterations. Contract awarded to Shinkman & Rosengarden, 233 Duncannon street, Philadelphia.

**Church (alts.)**, northwest corner of Twenty-second and Mount Vernon streets, Philadelphia, \$3,000. Architect, private plans. Owners, Presbyterian Church, on premises. General alterations. Contract awarded to McFar-

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land, Meade Co., Seventieth and Kinsessing avenue.

**Store and Dwelling (alts. and add.),** 45 S. Fifty-second street, \$5,000. Architect, private plans. Owner, Mrs. Ella Martin, on premises. Brick, third story addition, 12 feet 8 inches x 32 feet 8 inches. Contract awarded to Jackson Dunlap, 138 North Fifty-second street, Philadelphia.

**Garage,** 510 West Venango street, Philadelphia, \$4,500. Architect, private plans. Owner, Charles Myers, 508 West Venango street, Philadelphia. Brick, 2 stories, 20 feet 8 inches x 100 feet and 35x22 feet. Contract awarded to Richard K. Hutton, 3549 North Fifth street, Philadelphia.

**Dwellings,** Thompson street, north of Westmoreland street, \$7,200. Owner, L. C. Zuberant, 3419 Livingstone street, Philadelphia. Brick, 2 stories, 16x25 feet and 13x11½ feet. Contract awarded to F. Pizzillo, 3347 Almond street, Philadelphia.

**Residence (alts. and add.) to Drug Store,** 2401 South Sixty-second street, \$4,000. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, J. Schlichtman, Sixty-second and Gray's avenue, Philadelphia. Brick, second story addition, 16x16 feet, new front, flush bulks, plate glass, electric light, hot water heat, tile and marble work, plumbing, store fixtures, composition floor, metal ceiling, ornamental iron work. Contract awarded to Stackhouse & Little, 6070 Reinhard street.

**Church (alts.),** Thirty-eighth and Ludlow streets, \$25,000. Owners, Church of Our Saviour, on premises. Fire repairs, new belfry and interior alterations. Contract awarded to R. J. Whiteside & Son, 2115 Wallace street.

**Warehouse,** southeast corner of Shaekamaxon street and Delaware avenue, \$150,000. Architect, private plans. Owners, Pennsylvania Sugar Co., 1037 North Delaware avenue, Philadelphia. Brick and steel, 2 stories, 176½ x 152 feet and 1 story, 100x140 feet, slag roof, electric lighting, maple floors, dampproofing. Contract awarded to O'Meara Const. Co., 253 South Quince street, Philadelphia.

**Building (alts.),** 319-21 North Third street, Philadelphia, \$6,000. Owners, McAdoo & Allen, on premises. General interior alterations. Contract awarded to Jacob Myers & Co., Witherspoon Building.

**Elevated Tracks,** Cont. No. 562, Kensington avenue and Frankford ave and Front st.,

between Callowhill and Harrison streets, \$462,000. Architect, private plans. Owners, City of Philadelphia, Department of City Transit, Director Twining, 1211 Chestnut st., Philadelphia. 11 3-10 miles of track, single, stone ballast and short ties imbedded in concrete. Contract awarded to Snare & Triest, Pennsylvania Building, Philadelphia.

**Garage,** Allegheny avenue, west of Twenty-third street, Philadelphia, \$3,500. Architect, private plans. Owner, George Green, on premises. Brick, 1 story, 32x20 feet. Contract awarded to J. G. T. Miller, 2315 West Clearfield street.

**Residence (alts. and add.),** Seventeenth and Diamond streets, Philadelphia, \$10,000. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owner, C. H. Longcope, on premises. Brick, 4 stories, 18x32 feet and 18x60 feet, slag roof, hot water heat, electric light, oak floors. Contract awarded to A. R. Raff Cont. Co., 1635 Thompson street, Philadelphia.

**Dwelling,** Comly street, west of Torresdale avenue, \$5,000. Architect, private plans. Owner, W. S. Curtis, Torresdale avenue and Comly street, Philadelphia. Brick, 2 stories, 29x37 feet, hot water heat. Contract awarded to Anton Ahlers, 3425 Howell street.

**Garage,** 1235-39 Cabot street, Philadelphia, \$5,000. Architect, private plans. Owners, Thos. Hyde & Son, 1236 Thompson street, Philadelphia. Brick, 1 story, 13x30 feet, cement floors, electric light. Contract awarded

to Heist & Doherty, 1216 North Eleventh street, Philadelphia.

**Dwelling (alts. and add.),** Green and Perth streets, Philadelphia, \$2,500. Architect, private plans. Owner, Wm. Tuttleman, on premises. General alterations. Contract awarded to M. Morrison, 2322 Howard street, Philadelphia.

**Ice House (add.),** Robinson street, south of Haverford avenue, \$8,000. Architect, private plans. Owners, Cave Ice Manufacturing Co., on premises. Brick, one-story addition, 11 feet 4 inches x 28 feet, slag roof, cement floor. Contract awarded to J. R. Hicks, 538 North Gross street, Philadelphia.

**Garage,** Hope and Tusculum streets, Philadelphia, \$7,300. Architect, private plans. Owners, Franklin Process Co., 931 Drexel Building, Philadelphia. Brick, 1 story, 40x58 feet. Contract awarded to J. W. Bishop Co., Providence, R. I.

**Dye House (add.),** Frankford avenue, north of Pennsylvania R. R., \$3,000. Architect, private plans. Owners, Hulton Dyeing Co., on premises. Brick, one-story addition, 18½ x 57½ feet. Contract awarded to George H. Thirsk, Horricks and Adams streets.

**Residence (alts.),** 1831 Pine street, Philadelphia, \$16,000. Architect, private plans. Owners, Sisters of St. Margaret, on premises. General interior alterations, new partitions, etc. Contract awarded to Frank G. Stewart, 1619 Sansom street, Philadelphia.

## PENNSYLVANIA

## Construction News

**Church and Sunday School (alts. and add.),** Bethlehem, Pa., \$50,000. Architects, Charles W. Bolton & Sons, Witherspoon Building, Philadelphia. Owner, First Presbyterian Church, care of Mr. Robinson, Bethlehem, Pa. Brick, stone and terra cotta, 1 story and basement, 150x150 feet, slate roof, wood floors, steam heat, electric lighting. Architect will take bids in ten days.

**Garage,** Swarthmore, Pa. Architects, Pollock & Rust, 1802 Chestnut street, Philadelphia. Owner, Dr. B. A. Thomas, 116 South

Nineteenth street, Philadelphia. Frame, 1½ stories, 18x45 feet, shingle roof, reinforced concrete and pine floors, electric lighting, stone foundations. Ready for bids in a few days.

**Residence (alts. and add.),** Bartow, Pa. Architect, Conrad B. Neff, Otis Building, Philadelphia. Owner, P. P. Hagan, Bartow, Pa. Frame (to be stuccoed), slate roof, yellow pine floors, electric light, plumbing, new porches (heat reserved), artesian well. Architect will be ready for bids in two weeks.

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**Residence, Wayne, Pa.** Architect, George S. Idell, 1705 Chestnut street, Philadelphia. Owner, Richard C. Newbold, Wayne, Pa. Frame, 2½ stories, 22x36 feet, shingle roof, pine floors, electric light, hot air heat. Architect has received bids.

**Silk Mill and Boiler House, Weatherly, Pa.** Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owner, J. H. Meyers, Silk Mill Co., 50 Union Square, York, Pa. Brick, slow burning, 2 stories, 43x114 feet, concrete foundations, slag roof, maple floors, electric light, hollow metal sash, roof ventilators. Architect taking bids due as soon as possible. D. S. Kistler, Weatherly, Pa.; W. H. Gangwere, and Ochs Const. Co., both of Allentown, Pa., are figuring.

**Residence (alts. and add.), Ardmore, Pa.** Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, Charles L. Gilliland, Ardmore, Pa. New porches, interior alterations, slate roof. Architect taking bids due August 29. Jacob Myers & Sons Co., Witherspoon Building; E. J. Hedden, Finance Building, and William H. Eddleman, 453 Green lane, Roxborough, are figuring.

**Home Building, Harrisburg, Pa.** Architect, Paul A. Monaghan, 1218 Chestnut street, Philadelphia. Owner, Sylvan Heights Home for Orphan Girls, Harrisburg, Pa. Brick and reinforced concrete, 2 stories, 47x100 feet, slag roof, maple floors, metal lath, waterproofing, dampproofing, iron work, concrete foundations, steam heat, electric light, tile and marble work, rolled steel sash and skylights, iron work. Architect taking bids due August 29th. Central Const. Co., C. W. Strayer, Joseph W. Pomraning, all of Harrisburg, Pa., and H. E. Batton, 1713 Sansom street, and William R. Dougherty, 1610 Sansom street; Monaghan & Losse, Inc., 3016 Chestnut street, Philadelphia, are figuring.

**Residence (alts. and add.), Wyncote, Pa.** Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, John C. Martin, Wyncote, Pa. Mill work, plastering, tile work, iron work, painting and glazing. Architects have received bids.

**Residence and Garage, Paoli, Pa.** Architect, E. Nelson Edwards, 1012 Walnut street, Philadelphia. Owner, name withheld. Hollow tile and stucco, 2½ stories, 33x24 feet, wing 18x25 feet, and 1 story, 16x20 feet, slate roof, oak floors, tile and marble work, vapor heat, electric light, plumbing. Architect will take bids in a week.

**Residence, Cynwyd, Pa.** Architects, D. K. Boyd, V. D. Abel and F. Gugert, Otis Building, Philadelphia. Owners, Mrs. Margaret Fisher, Cynwyd, Pa. Frame, 2½ stories, 23x35 feet, shingle roof, oak floors, stone foundations, hot water heat, electric light, tile work. Architects taking bids. William R. Graham, 3649 Filbert street; J. D. Lingle, Wayne, Pa., and Maurer Bros., Merion, Pa., are figuring.

**Residence, West Easton, Pa.** Architect, William Michler, Drake Building, Easton, Pa. Owner, John Schaible, Easton, Pa. Brick (tapestry), 2½ stories, 46x30 feet, stone foundations, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Architect will take bids this week.

**Silk Mill, Allen and Pioneer streets, Allentown, Pa.** Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owner, Majestic Silk Mills, Allen street, Allentown, Pa. Brick, mill construction, 1 story, 66x217 feet, composition roof, maple and gum wood floors,

steel sash, fire doors, metal window guards (electric work and heating reserved). Architect will take bids August 22d, due as soon as possible. Tilgham & Moyer, 824 Hamilton street, Allentown, is figuring.

**Hospital, Easton, Pa., \$500,000.** Architect, William Michler, Drake Building, Easton, Pa. Owner, Mr. Tomkin, Easton Trust Company, Easton, Pa. Brick, stone, steel, 3 stories, 265x330 feet, 69x104 feet, slag roof, hardwood and tile floors, electric light, tile, marble and terrazzo work, hollow metal sash, hollow metal skylights, hollow metal doors, fire escapes, safety treads, roof ventilators, metal window guards, metal weather strip (plumbing, heating, electric work reserved). Architect will take bids this week due October 1st. Bids will be received by the architect or Mr. Tomkin. Plans may be obtained at office of architect. Deposit of \$25 required. Plans for mechanical work at Stewart A. Jellett Co., Real Estate Trust Building, Philadelphia.

**Children's Home, Easton, Pa., \$75,000.** Architect, William Michler, Drake Building, Easton, Pa. Owner, Mrs. Evans, North Third street, Easton, Pa. Stone, 2 stories, 35x132 feet, 40x80 feet, stone foundations, slate roof, cement and yellow pine floors, steam heat, electric light, tile and marble work, hollow metal sash, roof ventilators, metal window guards. Architect has received bids.

**Residence, Dallas road, North Willow Grove, Pa.** Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, Rudolph Bauerle, North Willow Grove, Pa. Stone, 2½ stories, 30x50 feet, shingle roof, oak floors, stone foundations, hot water heat, electric light, tile work. Architect has received bids.

**Shoe Factory and Office Building, Eighth and Harrison streets, Allentown, Pa., \$80,000.** Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owner, Haas & Berger Co., Twentieth and Halls streets, Allentown, Pa. Brick, 4 stories, 189x45 feet, and office building, concrete foundations, concrete and maple floors, electric lighting. Owner is taking sub-bids.

**Academy (alt.), Villa Nova, Pa.** Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Augustinian Fathers, Villa Nova, Pa. Gymnasium, auditorium and swimming pool, stone, reinforced concrete, 3 stories, 55x82 feet, stone foundations, hardwood and tile floors, electric lighting, steel lockers. Architect has received bids.

**Ice Cream Plant, Scranton, Pa., \$100,000.** Architect, F. A. Nelson, Connell Building, Scranton, Pa. Owner, Williams Ice Cream Co., Cliff Works, Scranton, Pa. Reinforced concrete, brick, steel, terra cotta trim, 3 stories, 82x120 feet, slag and composition roof, concrete and mastic floors, high pressure heat, electric light, refrigeration, ice tank, cooling works, waterproofing. Plans in progress. Excavation and foundation ready for bids by architect.

**Community House, Lauren Run, Pa.** Architect, E. H. Davis, Union Bank Building, Scranton, Pa. Owner, care of architect. Frame, 2 stories, 40x100 feet, shingle roof, pine floors, steam heat, electric light. Plans about completed.

**Office (add.), Scranton, Pa., \$10,000.** Architect, E. H. Davis, Union National Bank Building, Scranton, Pa. Owner, care of architect. Brick, 2 stories, 40x65 feet, slag roof, cement floors, heating extension, electric lighting, tile work. Plans ready for bids by architect.

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**Boiler House**, Scranton, Pa. Architect, E. H. Davis, Union Bank Building, Scranton, Pa. Owner, care of architect. Fireproof, 1 story, 42x48 feet, electric light. Architect taking bids.

**Warehouse (add.)**, Fortyfort, Pa. Architects, McCormick & French, Second National Bank Building, Wilkes-Barre. Owner, Jenkins Kirby Packing Co., Scranton, Pa. Brick, steel, concrete, 2 stories, 56x66 feet, steel beams, composition roof, plank floors, steam heat, electric light, tile work. Architect taking bids due August 27th. J. E. Long & Co., Coal Exchange Building; J. Curtis & Co., Hill and Hickory streets; Shepherd Const. Co., Miners' Bank Building; J. A. Schmitt & Son, Bennett Building, and J. E. James, 42 South Grant avenue, all of Wilkes-Barre; J. W. Ferguson Co., Paterson, N. J., and Central Const. Co., Harrisburg, Pa., are figuring.

**Silk Mill**, Plains, Pa., \$30,000. Architect, G. F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, Magagna Bros., 48 Monroe street, Wilkes-Barre, Pa. Brick, 1 story, 68 feet 10 inches x 146 feet 6 inches, slag roof, maple floors, ribbed glass, hollow metal sash, fire doors (electric work, heating, ventilators and vault, door, reserved). H. Milander, J. A. Schmitt Son, Bennett Building; Adam Hildebrand Co., 91 Wood street; John Curtis & Co., Hill and Hickory streets, and A. J. Behrens Son, 179 Blackman street, Wilkes-Barre, figuring.

**Residence and Garage**, Waverly, Pa., \$20,000. Architect, E. H. Davis, Union Bank Building, Scranton, Pa. Owner, care of architect. Frame, 2½ stories, irregular size, shingle roof, pine floors, furnace heating, electric light, tile and marble work, plumbing. Architect has received bids.

**Bank**, location withheld, \$125,000. Architect, E. H. Davis, Union Bank Building, Scranton, Pa. Owner, care of architect. Limestone, granite, 1 story, 45x80 feet, stone foundations, slag roof, steam heat, electric light, bronze and marble work, steel vault, roof ventilators, metal window guards and frames, bank fixtures. Plans in progress.

**Storage Building for Auto Trucks**, Scranton, Pa., \$100,000. Architect, E. H. Davis, Union Bank Building, Scranton, Pa. Owner, care of architect. Fireproof, 1 story, 50x50 feet, electric light. Plans in progress.

**House**, Hazleton, Pa., \$13,000. Architect, G. E. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, name withheld. Frame, 3 stories, 29x47 feet, asbestos roof, hardwood floors, steam heat, electric light, tile work. Plans in progress.

**Synagogue**, Dunmore, Pa. Architect, L. Reisman, Miller Building, Scranton, Pa. Owner, congregation of Ahavath-Israel, Dunmore, Pa. Stucco and frame, 2 stories, 40x80 feet, shingle roof, wood floors, steam heat, electric light, plumbing. Plans in progress. Architect will take bids September 1st.

**Store (add. and alt.)**, 205-07 Barney street, Wilkes-Barre, Pa. Architect, G. F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, Mrs. Hanna McHenry, Barney street, Wilkes-Barre, Pa. Frame, 1 story, 38x50 feet, slag roof, pine floors, steam heat, electric light, general interior work. Architect taking bids due August 29th. Herman Milander, B. Mowery and Adam Hildebrand, Wilkes-Barre, figuring.

**Garage**, Wilkes-Barre, Pa., \$14,000. Architect, Schroeder & Schmitt, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, D. S. Williams, South Pennsylvania avenue, Wilkes-

Barre, Pa. Brick, semi-fireproof, 2 stories, 54x57 feet, slag roof, concrete floors, electric light, plumbing (heating reserved). Architect has received bids.

**School**, Pittston, Pa., \$200,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Roman Catholic Church, Pittstown, Pa. Brick, fireproof, 2 stories and basement, 18 class rooms, concrete foundations, steam heat, electric light. Architect has received bids.

**Public Garage**, South Washington street, Wilkes-Barre, Pa. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, J. Popky, on premises. Brick, steel, stone, 2 stories, 42x78 feet, slag roof, concrete floors, steam heat, electric light, hollow metal sash, hollow metal skylights. Owner taking sub-bids.

**Public Garage**, Scott street, Wilkes-Barre, Pa., \$10,000. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owners, John Luksie, Scott street, Wilkes-Barre, Pa. Brick, 2 stories, 80x40 feet, stone foundations, slag roof, cement floors, steam heat, electric light, hollow metal sash. Owner taking sub-bids.

**Road Work**, various locations, Pennsylvania. Architect, private plans. Owner, State of Pennsylvania, care of Lewis S. Sadler, State Highway Commissioner, Harrisburg, Pa. Owners ready for bids due September 2nd.

Adams County, Route R-41, Butler Township, 23,246 feet. One course reinforced concrete and Hillside vitrified brick. Certified check \$4,000.

Adams County, Routes R-43 and R-126, Gettysburg Borough, 7,857 feet. Either bituminous surface course on a concrete foundation and Hillside vitrified brick, or one course reinforced concrete. Check \$2,000.

Adams County, Route R-123, Tyrone and Straban Townships, 13,755 feet. One course reinforced concrete. Certified check \$2,000.

Butler County, Route R-73, Slippery Rock Township, 16,579 feet. Reinforced concrete pavement. Certified check \$2,500.

Centre County, Route R-57, Rush Township, 12,355 feet. Either bituminous surface course on a concrete foundation or one course reinforced concrete. Certified check \$1,500.

Chester County, Route A-136 and A-439, East and West Marlborough Townships, 10,509 feet. Bituminous surface course (penetration method) on a Telford foundation. Certified check \$2,000.

Chester County, Route A-557 and A-558, Franklin and New London Townships, 21,619 feet. Bituminous surface course (penetration method), on a Telford foundation. Certified check \$3,000.

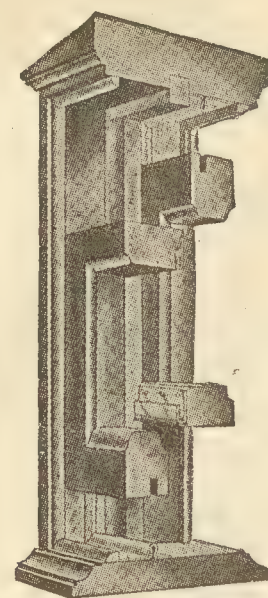
Clarion County, Route R-64, Clarion Township, 10,507 feet. Reinforced concrete pavement. Certified check \$2,000.

Clearfield County, Route R-62, Bell Township, 10,822 feet. One course reinforced concrete. Certified check \$2,000.

Clinton County, Route R-58, Flemington Borough, 4,265 feet. Either bituminous surface course and Hillside vitrified brick on a concrete foundation or one course reinforced concrete. Check \$1,000.

Crawford County, Route R-89, East Mead Township, 18,514 feet. One course reinforced concrete and Hillside vitrified brick. Certified check \$3,000.

Crawford County, Route R-82, Vernon Township, 18,619 feet. Either one course reinforced concrete and Hillside vitrified brick or two course reinforced concrete and Hill-



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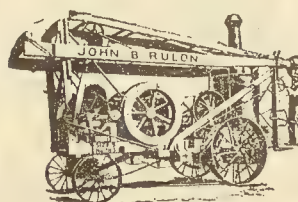
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side vitrified brick. Certified check \$3,000.

Erie County, Route R-295, Girard Township and Platea Borough, 21,300 feet. One course reinforced concrete. Certified check \$4,000.

Erie County, Route R-88, Greene Township, 21,120 feet. One course reinforced concrete. Certified check \$4,000.

Erie County, Route 396, Harbor Creek Township, 11,207 feet. One course reinforced concrete. Certified check \$2,000.

Erie County, Route 398, Mill Creek Township, 10,600 feet. One course reinforced concrete. Certified check \$2,000.

Erie County, Route R-304, Northeast Township, 7,900 feet. Either bituminous surface course and Hillside vitrified brick on a concrete foundation or one course reinforced concrete and Hillside vitrified brick. Certified check \$1,500.

Indiana County, Route A-694, Blairsville Borough, 3,812 feet. One course reinforced concrete. Certified check \$1,000.

McKean County, Route R-97, Bradford Township and Lewis Run Borough, 31-268 feet. Either one course reinforced concrete or vitrified brick. Certified check \$4,000.

Mifflin County, Route R-29, Armagh Township, 24,049 feet. Either bituminous surface course on a concrete foundation and Hillside vitrified brick or one course reinforced concrete. Certified check \$4,000.

Northampton and Carbon Counties, Route

R-163, Lehigh and Lower Towamensing Townships, Bowmanstown Borough, 16,129 feet. One course reinforced concrete. Certified check \$2,000.

Potter County, Route R-101, Roulette Township, 7,915 feet. Either bituminous surface course on a concrete foundation of one course reinforced concrete. Certified check \$1,500.

Potter County, Route R-101, Roulette Township, 5,020 feet. Either bituminous surface course on a concrete foundation or one course reinforced concrete. Certified check \$1,200.

Snyder County, Route R-229, Union and Chapman Townships, 32,320 feet. Either bituminous surface course on a concrete foundation or one course reinforced concrete. Certified check \$4,000.

Susquehanna County, Route A-1016 and A-1017, Forest City Borough, 6,191 feet. One course reinforced concrete and vitrified brick. Certified check \$1,500.

Tioga County, Route R-22, Lawrence Township and Lawrenceville Borough, 24,113 feet. Either bituminous surface course on a concrete foundation or one course reinforced concrete. Certified check \$4,000.

Warren County, Route R-253, Sheffield Township, 7,936 feet. One course reinforced concrete. Certified check \$1,200.

York County, Route R-126, West York Borough, 4,136 feet. Bituminous surface course on a concrete foundation. Certified check \$1,200.

**Road Work**, various locations, Pennsylvania. Architect, private plans. Owner, State of Pennsylvania, Lewis S. Sadler, State Highway Commissioner, Harrisburg, Pa. Lowest bids submitted by:—

Allegheny County, Moon and Crescent Townships, Route 76, 21,299 feet. One course reinforced concrete pavement. M. O'Herron Co., Pittsburgh, Pa. \$255,204.44.

Bucks County, Falls Township, Route 150, 812 feet. Vitrified brick. F. Guy Meyers Co., Inc., Philadelphia, Pa. \$13,872.03.

Cambria County, Cresson and Gallitzin Townships and Cresson Borough, Route 53, 13,232 feet. One course reinforced concrete pavement and vitrified brick. Polo C. Azzara, Cresson, Pa. \$144,781.87.

Chester County, Westtown, East Goshen and East Whiteland Townships, Route 179, Appl. 1023, 29,586 feet. Bituminous macadam. (Penn method) on a Telford foundations. R. H. Johnson Co., Wayne, Pa. \$190,577.55.

Delaware County, Upper Darby Township, Route 983, 7,314 feet. Bituminous macadam (Penn method) on a Telford foundation. Vincenzo Di Francesco, Llanerch, Pa. \$44,389.11.

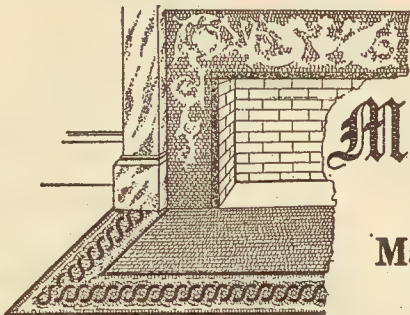
Fayette County, North and South Union Townships, Route 113, 4,101 feet. Vitrified brick pavement. Edw. C. Cornish and Wallace Miller, Uniontown, Pa. \$51,475.21.

Lehigh County, Salisbury Township, Route 158, 16,218 feet. One course reinforced concrete pavement. James McGraw Co., Philadelphia. \$106,897.

Luzerne County, West Pittston and Exeter Township, Route 232, 31,418 feet. Either bituminous surface course on a concrete foundation or one course reinforced concrete. Richardson Hand, Wilkes-Barre, Pa. \$228,547.17.

Lycoming County, Wolf Township and Picture Rock Borough, Route 19, 15,683 feet. Either bituminous surface course on reinforced concrete. Winston & Co., Kingston, N. Y. \$155,377.12.

Mercer County, Mercer Borough, Route 73,



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2,431 feet. One course reinforced concrete pavement. Burns Bros., New Castle, Pa. \$26,793.90.

Northampton County, Nazareth and Palmer Townships, 915-1019, 8,266 feet. One course reinforced concrete pavement. H. B. Trauger, National Park, N. J. \$67,616.48.

Washington County, Cecil Township, Appl. 685, 22,287 feet. One course reinforced concrete pavement. Crossan Const. Co., Phila. \$206,365.53.

Westmoreland County, Penn and Salem Townships, Route 69, 27,773 feet. One course reinforced concrete pavement and Hillside vitrified brick. R. H. Cunningham & Sons Co., Turtle Creek, Pa. \$683,793.61.

Westmoreland County, Hempfield and Sewickley Townships, Route 118, 31,227 feet. One course reinforced concrete pavement and Hillside vitrified brick. J. I. Dick, Scottdale, Pa. \$305,502.37.

Wyoming and Lackawanna Counties, Clarks, Summit, Glenburn, Dalton and Laplume Boroughs and Abington Township, Lackawanna County, Clinton and Nicholson Townships, Wyoming County, Route 9, 71,063 feet. Either bituminous surface course on a concrete foundation or one course reinforced concrete. Ruthven-Rees & O'Brien, Scranton, Pa. \$468,327.44.

**Residence**, Supplee Lane, Merion, Pa. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owner, name withheld. Stone and frame, 2½ stories, shingle roof, oak floors, hot water heating, electric lighting, tile work. Architect taking bids. Charles C. Pace, Merion, Pa., is figuring.

**Residence and Garage**, Ardmore, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Granville B. Hopkins, Ardmore, Pa. Stone, 2½ and 1 stories, 32x85 feet and 20x25 feet, shingle roof, oak and cement floors, stone foundations, electric light, tile work, iron work (heat, plumbing and lighting fixtures reserved). Architects taking bids, due September 3rd. E. J. Hedden, Finance Building; J. E. Kearney, 34 South Seventeenth street; Pomeroy Const. Co., 1609 Ranstead street; Chas. C. Pace, Merion, Pa.; Wills-Ludwick Co., 1708 Sansom street, and Albert Zellfelder, 151 South Broad street, are figuring.

**Residence and Garage**, Villa Nova, Pa., \$250,000. Architects, Zantzinger, Borie, Medary & Paul Cret, associated, Otis Building, Philadelphia. Owner, George McFadden, Jr., Villa Nova, Pa. Brick and stone, 2½ stories, stone foundations, steam heating, electric lighting, tile and marble work, oak floors. Plans in progress.

## Pennsylvania Contracts Awarded

**School**, West Side, Bethlehem, Pa. Architect, Verus T. Ritter, North American Building, Philadelphia. Owner, Board of Education, Bethlehem, Pa. Brick, reinforced concrete, 3 stories, concrete foundations, hollow tile, metal lath, tile, marble, terrazzo and slate work, composition roof, wood block, terrazzo and hemlock floors, hollow metal skylights, ornamental iron work. Contract awarded to T. J. Groman, Bethlehem, Pa.

**Residence**, Brookline, Pa. Architect, private plans. Owner, Thomas Coulson, 1422 Wallace street, Philadelphia. Stone, frame and

stucco, 2½ stories, 27x40 feet, shingle roof, oak floors, hot water heating, electric lighting, tile work, plumbing. Contract awarded to Charles C. Pace, Merion, Pa.

**Store Front**, Public Square and West Market street, Wilkes-Barre, Pa. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, M. Herzog Co., on premises. Plate glass, copper, galvanized iron, roof, parquet floors. Contract awarded to Wilson J. Smith, 918 Pittston avenue, Wilkes-Barre, Pa.

**Residence**, Melrose Park, Pa. Architect, H. V. Hartman, 130 East Fifteenth street, New York City. Owner, Walter Dannenbaum, care of Natural Ammonia Co., Frankford, Philadelphia. Stone, 2½ stories, 46x53 feet, shingle roof, stone foundations, hot water heating, electric lighting, tile work, oak floors, waterproofing, iron work, plumbing, painting, mill work, hardware. Contract awarded to William H. Eddleman, 453 Green lane, Roxborough, Philadelphia.

**Residence and Garage**, Sedgwick, Pa. Architects, Druckenmiller & Williams, 1527 Chestnut street. Owner, I. Powell Thomas, 1328 Chestnut street, Philadelphia. Stone, 2½ stories, 32x64 feet, and 1 story, 25x27 feet, slate roof, oak floors, cement work, vapor heat, electric light, tile work. Contract awarded to W. John Stevens, Inc., Wyncote, Pa.

**Infirmity Building "S" and Outside Corridor**, Spring City, Pa. Architect, Philip H. Johnson, Presser Building, Philadelphia. Owner, State Inst. of Feeble Minded, Spring City, Pa. Brick, steel and terra cotta, 2 stories, 40x80 feet, (2) 28x90 feet wings, slag and slate roof, granolithic and pine floors, stone foundations, steam heat, electric light, tile, marble and terrazzo work, rolled steel sash, rolled steel sash and skylights, metal lath, elevators. Contract awarded to F. H. Kaiser & Co., Pottstown, Pa. \$198,109.

**School (add.)**, Catasauqua, Pa. Architects, Fuhe & Lang, 12 North Sixth street, Allentown, a. Owner, St. Lawrence Roman Catholic School, Rev. F. Conner, Catasauqua, Pa. Brick, 2 stories, 4 rooms, concrete foundations, slate roof, marble floors, electric light. Contract awarded to Franklin Goldsmith, Catasauqua, Pa.

**Club House (alt. and add.)**, North Fourth street, Easton, Pa., \$12,000. Architect, William Michler, Drake Building, Easton, Pa. Owner, Pomfret Club, care of Mr. Nightengale, chairman, on premises. Brick, bowling alleys, basement improvements and other interior work. Contract awarded to Bechtel & Bechtel, Easton, Pa.

**House**, Bethlehem, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owner, J. E. Mathews, Bethlehem, Pa., care of architect. Frame, 2 stories, 30x26 feet, pine floors, slate roof, hot water heat. Contract awarded to T. B. Glassmeyer, Bethlehem, Pa.

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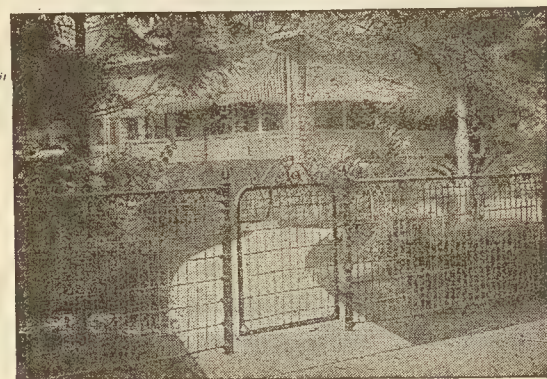
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**Bungalow and Garage**, Penfield, Delaware County, Pa. Architects, Robert W. Pollock and H. R. Rust, 1802 Chestnut street, Philadelphia. Owner, R. Hickox, 5826 Angora Terrace, Philadelphia. Frame, 1 story, 25x45 feet, garage, 18x18 feet, shingle roof, composition and oak floors, stone foundations, hot water heat, electric lighting. Contract awarded to William Andrews, 2029 Bainbridge street.

**Residence (alts. and add.)**, Swarthmore, Pa. Architects, Robert W. Pollock and H. R. Rust, 1802 Chestnut street. Owner, Dr. B. A. Thomas, 116 South Nineteenth street, Philadelphia. Frame, add. 2 stories, 15x15 feet, shingle roof, repairs to tin roof, copper and sheet metal work, oak floors, vapor vacuum heating, electric lighting extension, tile and marble work, plumbing. Contract awarded to F. E. Wallace, 1220 Chancellor street, Philadelphia.

**Bakery**, Chester, Pa. Owners, Huber Baking Co., Chester, Pa. Reinforced concrete, 3 stories, 114x128 feet, slag roof, concrete floors, concrete foundations, steam heat, electric light, waterproofing and dampproofing. Contract awarded to Austin Co., engineers, Bulletin Building.

**Residence**, Lansdowne, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, name withheld. Brick and stucco, 2½ stories, 15x22 feet add., shingle roof, oak floors, wainscoting, stairway, plumb-

ing (heating and lighting extensions). Contract awarded to J. Sims Wilson Co., 1125 Brown street, Philadelphia.

**Stores (alt. and add.)**, Spruce street, Scranton, Pa. Architect, Louis Reismann, Miller Building, Scranton, Pa. Owner, A. Newman, Wyoming avenue, Scranton, Pa. Brick, stone and copper, plate glass, 2 stories, 34x100 feet, slag roof, hardwood floors, electric light, tile work, general interior work. Contract awarded to J. Perks, 233 Clay avenue, Scranton, Pa.

**Church (add. and ext. alt.)**, Ashley, Pa. Architects, Morris & McHale, Burr Building, Scranton, Pa. Owner, Slavonic Roman Catholic Church, care of Rev. Zedbarnick, Ashley, Pa. Brick, 1 story and basement, 28x50 feet, slate roof, hardwood floors, electric light, tile and marble work. Contract awarded to Stender Bros., Providence road and Albright street, Scranton, Pa.

**Theatre and Hotel**, Market street, Chester, Pa., \$150,000. Architects, Hoffman, Henon, Inc., Finance Building, Philadelphia. Owner, Edward Margolin, Washington Hotel, Chester, Pa. Brick, terra cotta, steel and concrete, 1 story and balcony, composition roof, composition and pine floors, concrete foundations, steam heat, electric lighting, marble and terrazzo work, metal lath, hollow metal skylights, kalamein doors, waterproofing, iron work. Contract awarded to John R. Wiggins Co., Otis Building, Philadelphia.

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**Store (atl. and add.)**, South Bethlehem, Pa., \$5,000. Architect, E. H. Bitting, Wilbur Trust Building, Bethlehem, Pa. Owner, People's Clothing Store, South Bethlehem, Pa. Brick, 1 story add., 20x40 feet, slag roof, marble and tile work, metal ceiling, maple floors, general interior work. Contract awarded to A. Schnitzer, Allentown, Pa.

**Residence (alts. and add.) and Garage**, Wynnewood, Pa., \$15,000. Architects, Mills & Van Kirk, Harrison Building, Philadelphia. Owner, Langdon Lea, Stephen Girard Building, Philadelphia. Stone, 2 wings, 20x20 feet, slate roof, hardwood floors, cabinet work, electric fixtures, interior decorating, etc. Contract awarded to Herbert G. Campion, Otis Building, Philadelphia.

**Apartment House**, Wildwood, N. J. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Bernath Markovitz, 323 Market street, Philadelphia. Frame, 3 stories, 34x84 feet. Preliminary sketches being drawn.

**Dirigible Hangar**, Spec. 4001, Lakehurst, N. J. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Washington, D. C. Steel and asbestos, corrugated siding, 2 stories, 354x804 feet, built-up gypsum roof, concrete and wood block floors, hollow tile, metal lath, elevators, roof ventilators, concrete foundations, steam heat, electric light, rolled steel sash, skylights and doors, metal stairs, iron work, painting, plastering, glazing, plumbing, kitchen equipment. Owners taking new bids due September 8th. Warren-Moore Co., Colonial Trust Building; Hughes Foulkrod Co., Commonwealth Building, Philadelphia, are figuring.

**Residence (alts.)**, Beverly, N. J. Architect, J. Fletcher Street, 129 South Fifth street, Philadelphia. Owner, Earl Blyler, Beverly, N. J. General interior alterations. Architect will take bids in a week.

**Warehouse**, Ocean City, N. J., \$6,000. Architect, H. E. Wendell, 427 Asbury avenue, Ocean City, N. J. Owner, name withheld. Concrete, 2 stories, 30x60 feet, slag roof, wood floors, handlift, electric light, mill work, metal window guards, waterproofing. Plans in progress.

**Apartment (2 family)**, Fifteenth and Wesley avenue, Ocean City, \$7,000. Architect, H. E. Wendell, 427 Asbury avenue, Ocean City, N. J. Owner, L. S. Corson, Ocean City, N. J. Concrete and frame, 3 stories, 24x46

feet, shingle roof, wood floors, concrete foundations, electric lighting, hot water heating (electric fixtures reserved). Plans completed. Owner will take sub-bids.

**Lutheran Church**, Tenth and Central avenue, Ocean City, N. J. Owners (incorporating to build), Joseph Carr, attorney, Camden, N. J.; Charles Deisroth, Ocean City, N. J. Money available. Work contemplated.

**Parochial School**, Atlantic and Massachusetts avenue, Atlantic City, N. J. Architect, Henry D. Dagit Son & Co., 4527 Pine street, Philadelphia. Owners, Holy Spirit R. C. Church, care of Rev. W. F. Dittich, premises. Architect taking bids, due September 3rd. Wm. R. Dougherty, 1610 Sansom street; Cramp & Co., Denckla Building; Melody & Keating, 1322 Race street; Conneen Const. Co., 1737 Filbert street, Philadelphia; W. Beaumont, Atlantic City, N. J., and New Jersey Tile Co., Atlantic City, N. J., are figuring.

**House**, Lawrence Road, Lawrence Township, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owner, Mr. C. Christian, care of architects. Hollow tile and stucco, 2½ stories, 29x48 feet, stone foundations, green Spanish tile roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress. Architects will take bids this week.

**Times Building (alts.)**, Stockton street, Trenton, N. J. Architect, W. A. Kleman, First National Bank Building, Trenton, N. J. Owners, Trenton Evening Times, on premises. Rest rooms and plumbing. Architect taking bids.

**Church (alts. and add.)**, Perth Amboy, N.

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J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owners, St. Peter's Church, Perth Amboy, N. J. Brick, cut stone, 1 story, 19x22 feet, slate roof, wood floors, steam heat, electric light, carved oak pulpit, paneling, artificial stone interior, new stained glass windows. Owners taking general bids. Jackson Bros., Trenton, N. J., figuring.

**Garage (alts.),** Bellevue avenue, Trenton, N. J. Architect, Wm. Klemann, First National Bank Building, Trenton, N. J. Owner, Owen Moon, Trenton, N. J. Brick, 1 story, 41x26 feet, concrete foundations, slag roof, cement floor. Architect taking bids.

**Store and Warehouse,** North Willow street, Trenton, N. J. Architect, J. O. Hunt, Montgomery street, Trenton, N. J. Owners, Gedpart & Pagels, Hildebracht Building, Trenton, N. J. Wood and steel, 2 stories, 125x40 feet, stone foundations, slag roof, concrete floors, electric light, elevators. Architect has received bids.

**Dwellings (4),** Southard street, Trenton, N. J., \$10,000. Architect, private plans. Owner, Lambert H. Smith, 726 Southard street, Trenton, N. J. Brick, 2½ stories, 12½x42 feet, concrete foundations, slate roof, pine floors, steam heat, electric light. Owner will build.

**Dwellings (2),** Hilleress avenue, Trenton, N. J., \$10,000. Architect, private plans. Owner, L. Clarence Mather, 37 Ellsworth street, Trenton, N. J. Frame and stucco, 2½ stories, 14x55 feet, slate roof, hardwood floors, steam heat, electric light, tile work. Owner will build.

**Stacy Trent Hotel,** State and Willow sts., Trenton, N. J. Architect, Eisenwein Johnson, Buffalo, N. Y. Associated architects, J. O. Hunt and W. H. Klemann, Trenton, N. J. Owners, Hotel Realty Co., care of L. L. Woodward Co., Trenton, N. J. Brick, concrete and steel, 9 stories, 100x214 feet, steam heating, composition roof, concrete foundations, electric lighting, tile, marble and terrazzo work, hollow metal sash and skylights, fire and kalamein doors, fire escapes, iron stairs, 6 elevators, roof ventilators, metal window guards, metal weatherstrips, metal ceilings, waterproofing, dampproofing, wire work, ornamental iron work. Architect taking bids, due September 3rd. Jacking & Peoples, 221 Thirteenth street, Newark, N. J.; Horace H. Moore, Third and Passaic avenue, Spring Lake, N. J.; S. W. Mather & Sons, Greenwood avenue and Canal street; Chas. Y. Barlow, Brooks street; Fred R. Parker, 327 Calhoun street; James H. Morris, Broad Street Bank Building, and N. A. K. Bugbee & Co., 206 East Hanover street, all of Trenton N. J.; Stone & Webster, Electrical Building, Buffalo, N. Y.; George A. Fuller, Electric Building, Buffalo, N. Y.; Hageman-Harris Co., 33 West Forty-second street; The Norris Co., 39 Courtlandt street; Emerson Building Co., 103 Park avenue, and R. H. Howes Const. Co., 105 West Fortieth street, all of New York City; John Thatcher & Son, 60 Park avenue, Brooklyn, N. Y.; John W. Cowper, Fidelity Building, Buffalo, N. Y.; Frank C. Lewin, 616 Twelfth street, N. W., Washington, D. C.; Realty Const. Co., P. O. Box No. 12, Flint, Mich.; Cramp & Co., Philadelphia, Pa.; J. H. Miller, Miller Building, Buffalo, N. Y., and H. R. Feil & Co., Trenton, N. J., additional bidders.

The "Guide" is published weekly. It comes to your office fifty-two times in a year for five dollars.

## New Jersey Contracts Awarded

**Bank,** Riverside, N. J., \$75,000. Architect, William Kleeman, First National Bank Building, Trenton, N. J. Owners, Riverside Trust Co., Riverside, N. J. Brick, stone and steel, 1 story and mezzanine, 48x74 feet, asbestos roof, cork and composition floors, stone foundations, steam heat, electric light, tile, terrazzo and marble work, roof ventilators, bank fixtures. Contract awarded to Wills-Ludwick Co., 1708 Sansom street, Philadelphia.

**School,** Maple Shade, N. J. Architect, William Copeland Furber, 418 Walnut street, Philadelphia. Owner, Board of Education, Chester Township, N. J. Brick, 2 stories and basement, stone foundations, 62x115 feet, slag roof, maple and reinforced concrete floors, blower system, steam heat, electric lighting, mill work, metal lath, slate work, reinforced concrete stairs. Contract awarded to George W. Shaner, Palmyra, N. J.

**Office Building,** Third and Arch streets, Camden, N. J., \$50,000. Architect, Joshua C. Jefferies, 1001 Chestnut street, Philadelphia. Owner, Courier Co., Third and Federal streets, Camden, N. J. Steel and concrete, 2 stories, 40x64 feet, concrete and slag roof, concrete floors, hot water heat, electric light, vault lights, plate glass, stone (cut). Contract awarded to George Bachmann, 19 North Thirtieth street, Camden, N. J.

**Factory,** Camden, N. J., \$150,000. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Kieckhefer Paper Co., Milwaukee, Wis. Brick and concrete, 1 story, 130x365 feet, slag roof, concrete foundations, steam heat, electric light, concrete floors, hollow tile, fire and kalamein doors, waterproofing, dampproofing, ornamental iron work. Contract awarded to William Linker Co., 831 Cherry street, Philadelphia.

**Station and Freight House,** Hamilton, N. J. Architect, private plans. Owners, Philadelphia & Reading Railway Company, Reading Terminal, Philadelphia. Brick, 1 story, 14½x25 feet, slate roof, cement floor, electric lighting. Contract awarded to Charles C. Pace, Merion, Pa.

**Community Garage,** Trenton, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owner, E. F. Allfather, care of architects. Brick, cement block and hollow tile, 1 story, 54x64 feet, concrete foundations, slag roof, cement floors, hollow tile, electric light. Contract awarded to J. Dragan, Trenton, N. J.

**House,** Morris Heights, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owner, Edw. Ivins, Morris Heights, N. J. Stucco and tile, 2 stories, 28x48 feet, hardwood floors, hot water heat, electric light, tile work. Contract awarded to F. H. Ewald, Morris Heights, N. J.

## Delaware Construction News

**Apartment and Garage,** Twenty-fourth and Market streets, Wilmington, Del. Architect, H. E. Hance, 204 West Twenty-fourth street, Wilmington, Del. Owner, Citzuria Zwolae, Seventh and Orange streets, Wilmington, Del. Brick, 3 stories, 28x90 feet and 44x90 feet,

stone foundations, slag roof, hardwood and cement floors, steam heat, electric light. Owner is taking general bids.

**Apartment and Garage,** Wilmington, Del. Architects, Brown & Whiteside, DuPont Building, Wilmington, Del. Owners, Bendheim Bros., Twenty-second and Boulevard, Wilmington, Del. Brick and steel, 3 stories and basement, 36x53 feet, stone foundations, slate and tin roof, cement, white oak and linoleum floors, tile and marble work. Architects have received bids.

**Group of Buildings,** Wilmington, Del. Architects and engineers, Wm. Gordon Corp., Thirtieth and Walnut streets, Philadelphia. Owners, Company, care of engineers. Hollow tile and structural steel, Machine Shop, Printers' and Riggers' Shop, Plate and Angle Shop, Carpenters', Joiners' and Pattern Shop, Pipe, Sheet Metal and Acetylene Shop, Administration and Service Building, Garage, Power House, Oil Tank House, Toilet Building (2), rolled steel sash, cement floors, electric lighting, plumbing. Engineers taking bids, due at once. John R. Wiggins Co., Otis Building; Wark & Co., 1737 Filbert street; Penna. Eng. & Const. Co., Real Estate Trust Building; Warren-Moore Co., Colonial Trust Building, Philadelphia, and Jacobs & Young, 116 West Thirty-second street, New York City, are figuring.

## Proposals

### INVITATIONS FOR PROPOSALS.

**TREASURY DEPARTMENT,** Supervising Architect's Office, Washington, D. C., August 15, 1919.—Sealed proposals will be opened in this office at 3 P. M., September 26, 1919, for the remodeling of the United States custom house and post office at Providence, R. I. Drawings and specifications may be obtained from the custodian at Providence, R. I., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT,** Supervising Architect's Office, Washington, D. C., August 15, 1919.—Sealed proposals will be opened in this office at 3 P. M., September 22, 1919, for furnishing the labor required in the construction complete, with materials that will be furnished by the Government, of the United States Post Office Building at Charlestown, W. Va. Drawings and specifications may be obtained after August 29, 1919, from the custodian of the site at Charlestown, W. Va., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

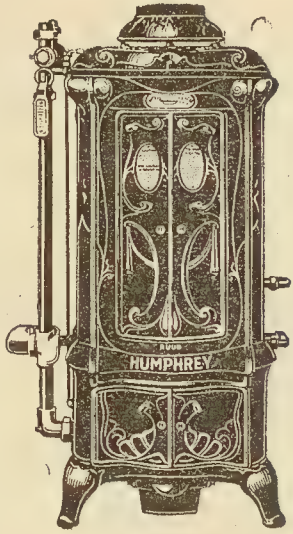
**TREASURY DEPARTMENT,** Supervising Architect's Office, Washington, D. C., August 15, 1919.—Sealed proposals will be opened in this office at 3 P. M., September 15, 1919, for the construction (except mechanical equipment) of a kitchen and mess hall for the United States Marine Hospital at New York, N. Y. (Stapleton). Drawings and specifications may be obtained from the Supervising Chief Engineer, Room 731, United States Custom House, New York, N. Y., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

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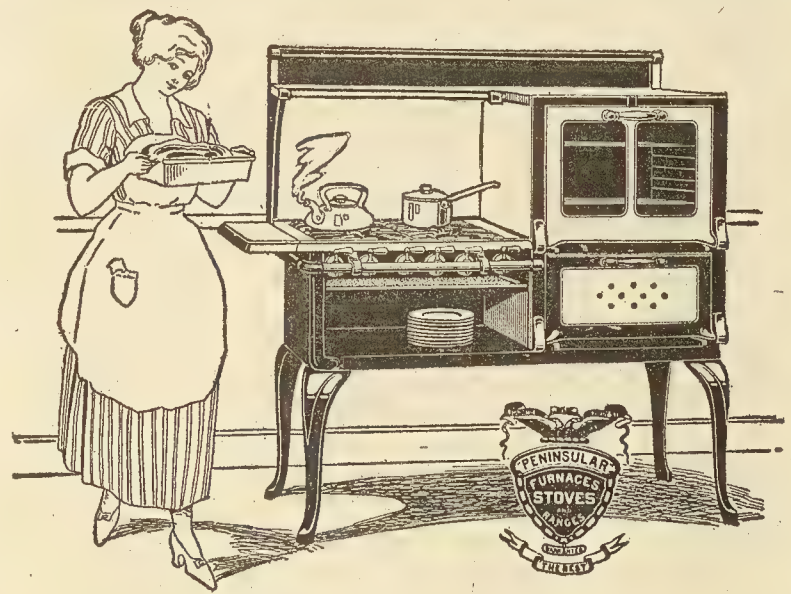
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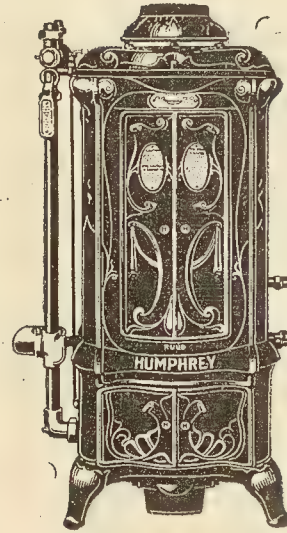
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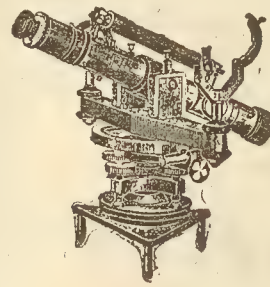
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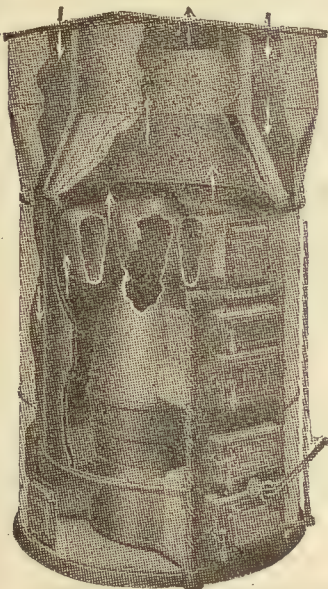
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 William Moore Co.....1506 Sansom st., Phila.

**Structural Steel.**  
 McCalla Co., The Harold....531 N. 4th st., Phila.  
 Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.  
 Morris Wheeler & Co. 30th and Locust sts., Phila.

**Surety Bonds.**  
 Harris J. Latta.....Pennsylvania Bldg., Phila.  
 Stokes-Packard-Haughton & Smith,  
 434 Walnut st., Phila.  
 Wagner-Taylor-Edson Co., Inc.,  
 422 Walnut st., Phila.

**Terra Cotta (Architectural).**  
 O. W. Ketcham.....Builders' Exchange, Phila.

**Test Borings.**  
 Artesian Well Drilling Co.,  
 Real Estate Trust Bldg., Phila.

**Ridpath & Potter Co.....Bourse Bldg., Phila.**  
**John B. Rulon.....1355 Colwyn st., Phila.**

**Tile and Terrazzo Work.**  
 Belfi Bros. & Co.....1923 Market st., Phila.  
 French, Samuel H., & Co.,  
 4th and Callowhill sts., Phila.

**Italian Marble Mosaic Co...433 Spruce st., Phila.**  
**Petronite Mfg. Co.....531 N. 9th st., Phila.**  
**Roman Mosaic & Tile Co...435 Green st., Phila.**  
**William Moore Co.....1506 Sansom st., Phila.**

**Tiling.**  
 William Moore Co.....1506 Sansom st., Phila.

**Transits.**  
 Warren-Knight Co.....136 N. 12th st., Phila.  
 F. Weber & Co.....1125 Chestnut st., Phila.

**Ventilators.**  
 Merchant & Evans Co., 2035 Washington ave.

**Water Heaters.**  
 Garfield S. Davis.....34 S. 17th st., Phila.

**Water Paint.**  
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 N. W. Cor. 12th and Spruce sts., Phila.

**Waterproofing.**  
 The Barrett Co.....New York City and Phila.

**Water Supply.**  
 Keystone Supply and Mfg. Co.,  
 927 N. 9th st., Phila.

**Weather Strip (Metal).**  
 American Metal Weather Strip,  
 2118 Diamond st., Phila.

**Thos. J. Malia.....141 Wentz st., Phila.**

**Wheelbarrows.**  
 The Fairbanks Co.....7th and Arch sts., Phila.

**Wire Work.**  
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 Kensington Metal Co.....1612 N. 2nd st., Phila.



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|                                      |                 |
|--------------------------------------|-----------------|
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| Cash in Banks.....                   | 2,395,335.33    |
| Premiums in course of transmission.. | 3,203,681.96    |
| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

### LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

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Surplus to Policyholders..... \$ 12,922,516.93

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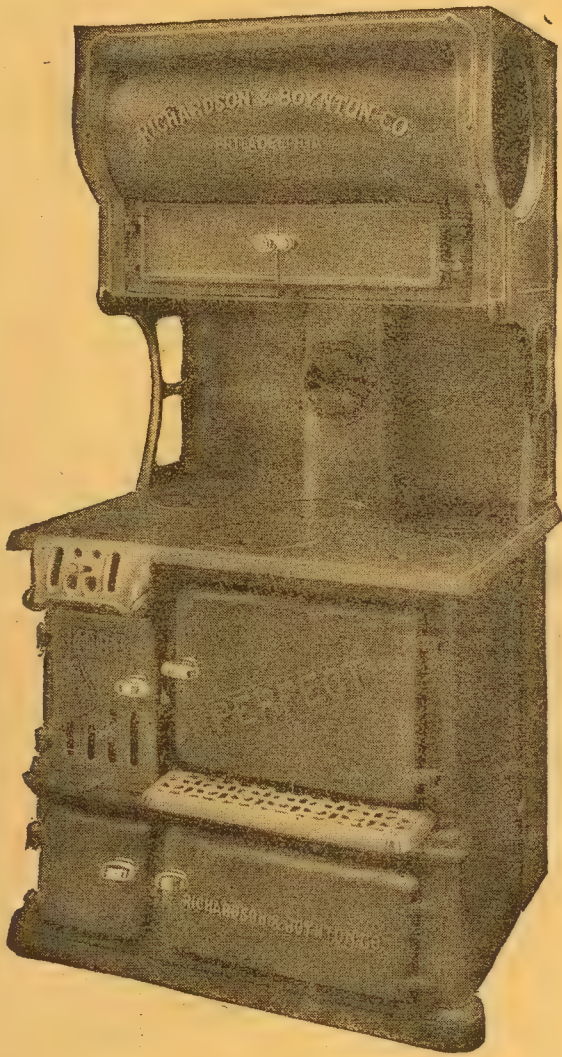
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 36  
September 3, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

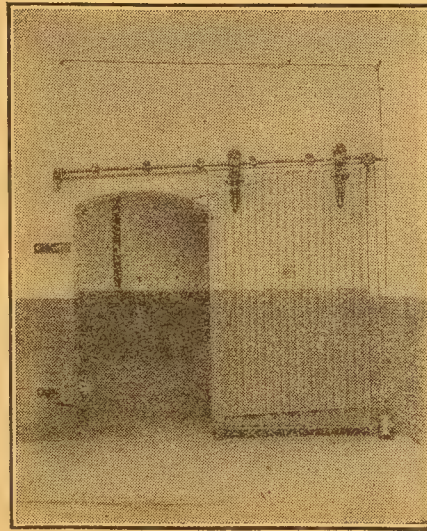
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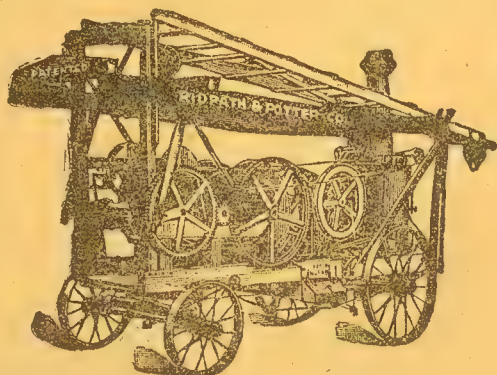
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 36

PHILADELPHIA  
September 3, 1919

## BUILDERS' GUIDE

OFFICES, PERRY BUILDING (Suite 824-825-826)  
Sixteenth and Chestnut Sts., Philadelphia, Pa.

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BY

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## As The Editor Sees It



AS the governor of Pennsylvania has signed and made a law of the bill, which we printed in full several months past, requiring registration of architects in this state, interesting and enlightening are the remarks on this subject in the "Architect and Engineer" which asks:

"Do our registration laws protect the architect?" How often this question is asked and the answer, nine times out of ten, is in the negative. California has long had an act which is intended to protect the licensed architect, but if it does protect there is no evidence on the surface. We have a state board that meets occasionally. It has powers, but one seldom hears of them having been exercised.

The engineering societies have frequently discussed the advisability of licensing their members and probably would do so if they could see where the architects had benefited any by the act. The committee on Public Relations of the San Francisco Association, American Society of Civil Engineers, was asked to take up the matter of registration. Here is its report—terse and to the point:

"There is some advantage to the licensed engineer. But licensing in the Medical and Legal professions has not kept quacks out, so the benefit to the public is doubtful.

"There being some doubt as to a certain benefit, *laissez faire*. If licensing were in vogue, with present knowledge, our vote would also be no change."

Mr. Charles Cressey, a member of the firm of Quayle Bros. & Cressey, architects of San Diego, has some pronounced opinions on California's Registration Law and its enforcement, or rather lack of enforcement. To quote:

"Time after time we read eulogistic words from other states and abroad, urging the registration cure-all for all architectural woes, and we possessing both the cure and the woes, ask if it is the shadow or the substance of registration that has staked out its claims in California. There is no great amount of criticism heard, however, upon our Registration Act itself, which though spineless and too tolerant for most of us, does at least give legal title and a defendable right to the name architect.

"That right and the lack of action in defending it, is the cause of bitter complaint amongst architects, few of whom within my circle of acquaintance are without cases of personal loss and chagrin caused by unregistered men who care little for law and less for architecture. Accepting the California act for what it is worth, I think I am expressing a general conviction in saying that architects should and could have greater protection than has yet accrued to the profession, if the State Board exercised its power or showed even moderate aggressiveness against admitted evils.

"It is argued that the duties of the Board are purely administrative and do not include police duty or the collection of evidence. That is a cold, cold, inactive

view of an act, which is either protective, or is just a string of worthless words. If the State Board can only proceed against offenders upon formal complaint and definite evidence gathered by outsiders, that point of view is not generally known or accepted, and a service will be done by stating the fact and inviting co-operation of all interested. Too great a stress appears to be given to the letter of this act and too little attention paid to the power of personal influence and leadership.

"Members of the State Board are individually respected, each having a record and standing in business life which assures them a hearing on the subject in which they are specialists. So far there has been reluctance to assume this attitude of leadership, and few outside the profession know of their existence as a State Board of Architecture or that they have charge of an act primarily for the protection of the public.

"Most of the departments under state control are doing vital work in educational propaganda, going right to the public with practical reasoning and facts, and that public has never been in so respectful a mood as now. Everything from chicken raising to safe-first ideals, seems to be advised upon by state specialists, excepting only that art of sane and safe building on which public life is so thoroughly dependent. Prove to the public that direct cash loss, mental sluggishness and low production, follows imperfect planning as surely as it follows imperfect

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feeding—prove that half-bad planning is more dangerous than half-truths in speech—prove that architecture is the primary art of planning—that decoration is a supplemental art, and that this art of planning is the work only of men specially trained beyond the arts of practical building, at the cost of time, untold perseverance and personal sacrifice—prove, too, that a state certificate can be won only by qualification, be lost by misconduct, and is an unpurchasable as the military cross for valor—and we will need to worry but little over incompetent pretenders.

"This educational work is a duty and field in which the standing and authority of the State Board of Architecture is not merely essential, but is irreplaceable. Neither the A. I. A., the local chapters, nor the most earnest words of the architectural press, can ever give the tone or reach the ears of such a public, as would the broad-minded efforts of a board acting in the public interest as distinct from the interests of architects. There is in this outline an expression of the new ideal in government—not repression, punishment, or interference with the public in class interest—but helpful, truthful leadership, giving service to the many enterprising men and women, who do or may build wrongly, from simple lack of understanding. If the State Board is to remain a purely examining body, helpless against offenders for want of a more drastic law, then architects are hopeless, indeed."

\* \* \*

**I**N these days of extreme building activity efficiency in labor and reducing building costs are imperative. With constantly increasing demand for buildings of all character and a decrease in the importation of foreign labor, in fact emigration of labor to Europe, some hard thinking must be done to evolve methods that will overcome existing handicaps. "The most important problem before the builder of today," says the *National Builder*, "is how to build in the most economical manner. This problem must be attacked not from one angle, but from several. In the first place, the builder must concern himself with the cost of erecting the work. Skilled labor is scarce and wages are high and advancing. In some communities sufficient tradesmen simply cannot be obtained, and with the tide of building activity steadily rising it will be a matter of but a few months, perhaps weeks, until our resources in men will be exhausted. What then? Shall we plug along at half speed with work constantly piling up and going to pot because we can't handle it? Not by a jug full! This country has somewhat of a reputation for doing things, and one of the principal reasons for this

reputation is due to our employment of machinery.

"If anybody thinks for a minute that the progressive builders of this country are going to lie down on the job, they had better get their roof thatched! If we can't have men we'll use machinery. We'll use the skilled men to lay out the work—make a scratch-boss of every one of them if necessary—and every possible piece of work will be done by machinery. Of course, we haven't quite reached the point where we can feed materials into one end of a machine and have it come out a house at the other, but there is a vast amount of tedious work that can be handled by machines.

"The force of men required on a job can often be cut in half by the builder who has an up-to-date plant. Wood working machinery, mortar mixers, concrete mixers, metal concrete forms, metal brackets for scaffolding, stucco machines, floor surfacers, hoisting rigs, building levels and all of the hundred and one appliances that have been developed for speeding up work and cutting costs are standing by for orders. They are ready to reinforce the units of the builders' army. The builder who doesn't employ them is going to lose a battle. He will have just as much chance competing with his more progressive fellow builders as would a raiding party attacking a "tank" with bows and arrows.

"There is yet another phase of the problem to be considered. If a building is to be put up economically it must be planned accordingly. If the rooms are larger than necessary, if the ceilings are too high, if floor space is wasted, if unnecessary frills are added, if the plan is irregular, chopped up, and full of corners and angles, the house is not going to be an economical one to build.

"Some of us have been astonished at the low cost of the houses that have lately been built by industrial plants for housing their workers. Of course, some of this economy was due to the fact that these housing developments used enormous quantities of materials which were bought in wholesale lots, but the principal saving was due to labor saving machinery on the job and to the fundamental economy of the plans for the houses. These plans were worked out by skilled men, men who had years of experience behind them. Older developments in both this country and abroad were studied, plans were revised and checked and boiled down until the completed plans represented the composite idea of scores of trained minds.

"Economy can be effected in a building development if laid out with winding streets, which follow the lines of least resistance, thus doing away with the filling and grading that is necessary where

streets are laid out in right angles on rolling ground. The curved street is also more attractive and shows up the individual houses to much better advantage than does the right-angled street subdivision.

"Every convenience to save labor and time is becoming increasingly important.

"Time and labor in moving from job to job may be saved by placing the tool box on wheels.

"A tongue on the front end permits the tool box to be attached to the rear end of a truck or wagon in the same manner as a trailer.

"This is not only a great convenience in moving from job to job and saving time, but also does away with the heavy lifting which is required when the old type of tool box is used."

### THE CHIMNEY AS A FIRE HAZARD

**I**N America the chimney is the most prolific cause of dwelling house fire losses. According to insurance records defective chimneys are responsible for more than twenty per cent. of such fires. By removing this hazard we do away with one out of five of our disastrous fires, with a resulting saving of life and possessions that cannot be measured in terms of money.

Chimneys should never be constructed of ordinary sewer tile nor with bricks laid on edge. Unlined chimney walls should be at least eight inches thick. Lined chimneys may have four-inch walls provided that not more than two flues are built in one open space and that additional flues are separated by four-inch brick withes well bonded into the chimney walls. Stone walls should be at least four inches thicker than corresponding brick ones. Cement blocks not less than four inches thick may be used if you are sure that the blocks are well made—they require conscientious workmanship. Some authorities recommend that all such blocks be reinforced with steel to prevent their cracking under temperature changes.

Chimneys should be laid up in cement mortar (one part cement to three parts sand), as it is much more durable than lime mortar, also the chimney may be carried up faster because the cement becomes strong enough to bear the weight quicker than lime mortar does. The inside of unlined chimneys should be struck smooth and not plastered. Such plastering rapidly flakes off under the action of flue gases and often tears the mortar out of the joints, thereby weakening the walls, and sometimes allowing the passage of sparks, etc. A weak draft is often due to open joints.

(Continued on Page 541.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING;  
CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Rittenhouse Plaza Apartments**, Northeast Corner Nineteenth and Walnut streets. Architects, Price and McLanahan, 1418 Walnut street, Philadelphia. Owners, Rittenhouse Plaza Co., care of architects. Concrete, brick, terra cotta and steel, 19 stories, 100x135 feet, slag roof, composition and cork floors, hollow tile, metal lath, tile and marble floors, hollow meta sash, rolled steel skylights, kalamein doors, waterproofing, iron work (heating, electric lighting, elevators reserved), stone foundations. Architects taking bids due September 9th. Cramp & Co., Denckla Building, and Warren-Moore Co., Colonial Trust Building, are figuring.

**Store**, 3512 Germantown avenue, Philadelphia. Architect, William H. Wooters, 816 West Allegheny avenue, Philadelphia. Owner, Frederick Wolf, 3533 North Broad street, Philadelphia. Brick, 1 story, 15x65 feet, slag roof, pine floors, cement work, hip metal skylights, stone foundations, plumbing, roof ventilators, flush bulks (heat and lighting reserved). Owner is ready for bids.

**Dwelling**, South side Dicks avenue, West Seventy-fifth street, Philadelphia, \$3,000. Architect, private plans. Owner, Fred Paulson, Island road, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, steam heat. Owner will build.

**Elevated Station (4)**, Kensington and Huntingdon street, Kensington and "B" street, Kensington avenue and Tioga street, and Tioga and "K" streets. Steel superstructure, Front street, near Arch street. Cont. No. 509. Architects, private plans. Owners, City of Philadelphia, Department of City Transit, Director William S. Twining, 1211 Chestnut street, Philadelphia. Brick, steel and concrete. Owners taking bids due September 9th at noon on Cont. No. 509. Owners taking bids on Stations due September 16th at noon. Deposit of \$10.00 on each set of plans.

**Synagogue**, Broad and Bellfield streets, Philadelphia. Architects, Associate, J. E. Fieldstein, Penfield Building, and Edwin L. Rothchild, 1011 Chestnut street, Philadelphia. Owner, Beth Shalom Congregation, care of architect. Brick and stone, 80x110 feet, slag roof, steam heat, electric lighting. Architects taking bids. Pomeroy Const. Co., 1609 Ranstead street; E. E. Hollenback, Inc., 1804 Brandywine street; Raith Const. Co., 304 Master street; B. Bornstein, 1512 North Franklin street, and D. Henwood, 1509 Wood street, are figuring.

**Wagon Factory**, Southeast Corner Second and Norris streets, Philadelphia. Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, Keystone Wagon Works, 1949 North Second street, Philadelphia. Brick, slow burning construction, 3 stories, 75x109 feet, slag roof, plank floors, stone foundations, steam heating, electric lighting, plumbing, (1) electric elevator.

Architect taking bids due September 9th. E. J. Kreitzburg, 1345 Arch street, and Brown Const. Co., 4600 Main street, are figuring.

**Store Building (alts.)**, 3514 Germantown avenue, Philadelphia. Architect, William H. Wooters, 816 West Allegheny avenue, Philadelphia. Owner, Frederick Wolf, 3533 North Broad street. Changing partitions, flush bulks, pine floors. Owner is ready for bids.

**Hospital (add.)**, Broad and Venango streets, Philadelphia. Architect, C. A. Ziegler, Bailey Building, Philadelphia. Owner, St. Luke's Hospital, on premises. Brick, stone and steel, 5 stories, 40x90 feet. Sketches being drawn. Too early for details.

**Residence**, Overbrook, Philadelphia. Architect, Pual A. Monaghan, 1218 Chestnut street, Philadelphia. Owner, Paul A. Monaghan, 1218 Chestnut street, Philadelphia. Stone and half-timber, 2½ stories, 30x60 feet, slate roof, oak floors, stone foundations, hot water heat, electric light, tile and marble work. Architect is ready for bids.

**Residence (alts. and add.)**, Pineville, Pa. Architect, Edward G. Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, J. A. Knadler, Esq., Pineville, Pa. Stone, 2½ stories, 22x35 feet, wing 15x15 feet, slate roof, hot water heat, electric lighting. Architect will take bids in two weeks.

**Shell Shop, Case Shop and Forge Shop Extension**, Frankford Arsenal, Philadelphia. Architect, private plans. Owners, United States Government, Construction Officer, Frankford Arsenal. Brick, concrete and steel, 2 stories, 379x104 feet, 2 stories, 204x104 feet, and 1 story, 185x125 feet, slag or gravel roof, concrete floors, metal lath, elevators, concrete and stone foundations, rolled steel sash, kalamein doors, iron work, wire window guards (heating and electric work reserved), Peele doors, plastering, sheet metal work, plumbing, painting, hardware, plastering and glazing. Owners taking bids due September 9th. W. W. Anstine & Co., 1218 Filbert street, and F. W. Mark Cont. Co., Commercial Trust Building; Ketcham & McQuade, 1029 Brown street, are figuring.

**Dye House**, Mellon street, between Seventeenth and Eighteenth streets, Philadelphia. Architect, Charles W. Gilmore, Godfrey avenue and G street, Philadelphia. Owners, A. F. Bornot & Bro., Seventeenth and Fairmount avenue, Philadelphia. Steel, brick and reinforced concrete, 1 story, 46x126 feet, slag roof, cement floors, concrete foundations, electric light, rolled steel sash and skylights, kalamein doors, iron work, roof ventilators. Architect taking bids due September 8th. F. L. Hoover & Son, 1023 Cherry street; A. L. Fretz & Son, Heed Building; P. Haibach Cont. Co., Twenty-sixth and Thompson streets; A. R. Raff Cont. Co., 1635 Thompson street, and Ketcham & McQuade, 1029 Brown street, are figuring.

**Factory (alts.)**, Thirteenth and Glenwood

avenue, Philadelphia. Architect, A. G. Zimmerman, 85 Ninth avenue, New York City. Owners, National Biscuit Co., Thirteenth and Glenwood avenue. Painting, hardware, plumbing, electric work, steam heat, mill work and carpentry, sprinklers. Architect has received bids.

**Residence**, West Laurel Hill Cemetery, Philadelphia. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, West Laurel Hill Cemetery Co., Finance Building, Philadelphia. Hollow tile and stucco, 2½ stories, 24x37 feet, shingle roof, oak floors, stone foundations, hot water heating, electric lighting, tile work. Architect taking bids due September 4th. Milton W. Young, Overbrook; Wills-Ludwick Co., 1708 Sansom street; J. Sims Wilson Co., 1125 Brown street; Kohl & McGargee, care of architect, and E. E. Hollenback, Inc., 1804 Brandywine street, are figuring.

**Residence**, Westview street and Spring Bank Lane. Architect, Edwin Gilchrist, 1627 Sansom street, Philadelphia. Owner, M. H. Harrington, 112 West Upsal street, Germantown. Stone, 2½ stories, slate roof, oak floors, stone foundations, electric light, tile and marble work (heat reserved). Architect taking bids.

**Factory**, Third and Arch streets, Philadelphia. Architects, Fieldstein & Schaef, Penfield Building, Philadelphia. Owner, name withheld. Brick, 3 stories. Plans in progress. Too early for details.

**Gymnasium Building (alts.)**, Church Lane and Chew street, Philadelphia. Architects, Magaziner and Eberhard, 603 Chestnut street, Philadelphia. Owner, Jewish Foster Home, on premises. Concrete and brick work, waterproofing, maple floors (waterproofing, marble and tile work, roof repairs, hardware, painting, glazing, repairs to heating, plumbing). Architects taking bids. Specht & Sperry, Heed Building; William J. Gruhler & Co., 219 East High street, and William R. Dougherty, 1610 Sansom street, are figuring.

**Building (alts. and elevator shaft)**, 45-51 North Seventh street, Philadelphia. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Lionel Friedman, on premises. Brick, 6 stories, maple floors, hollow metal skylights, kalamein doors, brick work, concrete and iron work, plastering, hardware, sheet metal work, painting and glazing (plumbing, electric work and elevator reserved). Architect has received bids.

**Residence**, Queen Lane Manor, Philadelphia. Architects, Hawley & Hawley, 34 South Seventeenth street, Philadelphia. Owner, Frank H. Burpee, 1814 Venango street. Brick and rough cast, 2½ stories, 25x63 feet, shingle roof, oak floors, stone foundations, hot air heat, electric light, tile and iron work. Architects subletting. Carpentry and mill work awarded to William C. Wright, 22 Harvey street, Germantown.



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**Building (alt.)**, 908 Sansom street, Philadelphia, \$7,500. Architect, private plans. Owner, Philadelphia Electric Co., 1000 Chestnut street, Philadelphia. General alterations. Owner will build.

**Dwellings (17)**, 5601-33 Crowson street, Germantown, Philadelphia, \$85,000. Architect, private plans. Owners, Carson Bros., Locust avenue below Chew street, Germantown, Philadelphia. Brick, 2 stories, 16x40 feet, hot water heat. Owner will build.

**Dwelling**, Southeast Corner Sixth and Fisher avenue, Philadelphia, \$5,000. Architect, private plans. Owner, Keeley Const. Co.,

4452 Germantown avenue, Philadelphia. Brick, 2 stories, 16x46 feet 9 inches, hot water heat. Owner will build.

**Dwellings (14)**, Sixth street, South of Fisher avenue, \$22,500. Architect, private plans. Owner, Keely Const. Co., 4452 Germantown avenue, Philadelphia. Brick, 2 stories, 15x33 feet 9 inches and 12x13 feet, hot water heat. Owner will build.

**Garage**, 6007-09 Van Dyke street, Philadelphia, \$1,500. Architect, private plans. Owner, Frank W. Zebley, 6012 Hegerman street, Philadelphia. Brick, 1 story, 18x78 feet. Owner will build.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Store (add. and alt.)**, 603 North Second street, Philadelphia, \$5,000. Architect, private plans. Owners, Chaoter Bros., on premises. Brick, 1 story, 4x30 feet. Contract awarded to J. Gorehov, 4116 Girard avenue, Philadelphia.

**Factory (add. and alt.)**, Northeast Corner Meadow and Wolf streets, \$3,000. Architect, private plans. Owners, Atlantic Drier & Varnish Co., on premises. Brick, 2 stories, 28x42 feet. Contract awarded to William G. Uhler, 1841 South Broad street, Philadelphia.

**Business Building (alts. and add.)**, 1425 Walnut street, Philadelphia, \$20,000. Architects, Hoffman-Henon, Inc., Finance Building, Philadelphia. Owners, H. F. Bachman & Co., 1512 Chestnut street, Philadelphia. Brick and steel, 1 and 2 stories, 13½x30 feet, 18x31 feet, slag roof, mosaic and terrazzo floors, concrete foundations, steam heat, electric light, marble work, roof ventilators, rolled steel skylights, waterproofing, iron work. Contract awarded to John R. Wiggins Co., Otis Building, Philadelphia.

**Station Platforms and Shelters**, York, Dauphin streets and Girard avenue. Contract No. 532, Philadelphia. Architect, private plans. Owners, City of Philadelphia, Department of City Transit, 1211 Chestnut street. Reinforced concrete, steel sash, slag roof, copper drain gutters. Contract awarded to F. J. Boas, 201 North Broad street, \$118,010.

**Column Foundations (47)**, Cont. No. 504, Frankford Elevated. Architect, private plans. Owners, City of Philadelphia, Department of City Transit, 1211 Chestnut street. Reinforced concrete. Contract awarded to Brown-King Const. Co., Commercial Trust Building, \$26,454.50.

**Dwellings (7)**, Robbins avenue, West of Rising Sun avenue, \$18,900. Architect, private plans. Owner, Charles F. Myers, 206 West Washington Square, Philadelphia. Brick, 2 stories, 15 feet 4 inches x28 feet and 12x12 feet, hot water heat. Contract awarded to Charles Townsend, 5512 North Fairhill street.

**Office**, East side of Twenty-second street, West of Westmoreland street, \$20,000. Archi-

tect, private plans. Owner, Westmoreland Chemical Co., on premises. Brick, 3 stories, 44x61 feet, 14x10 feet, slag roof, steam heat. Contract awarded to R. J. Whiteside & Son, 2115 Wallace street.

**Manufacturing Building (alt. and add.)**, 3009 Chestnut street, \$16,000. Architect, private plans. Owners, Philip S. Malickson & Co., 1433 Vine street, Philadelphia. Brick, 2 stories, 41 feet 4 inches x94 feet 8 inches. Contract awarded to E. E. Hollenback, 1804 Brandywine street.

**Store (add.)**, 2107 Germantown avenue, Philadelphia, \$2,850. Architect, William H. Wooters, 816 West Allegheny avenue, Philadelphia. Owner, Leon Koppleman, on premises. Brick and steel, 1 and 2 stories, 6½x32 feet, 15x35 feet and 11x44 feet, slag roof, cement floors (electric light and heat reserved). Contract awarded to Benj. Steinberg, 1544 North Seventh street, Philadelphia.

**Store Building (add. and alt.)**, 5304 Market street, Philadelphia, \$13,000. Architect, private plans. Owner, I. Burchuck, 5304 Market street, Philadelphia. Brick, 3 stories, 20x23 feet, general alterations. Contract awarded to M. Kirschner, 421 Snyder avenue, Philadelphia.

**Residences (2) (alts.) to Stores and Apartments**, 5226-28 Walnut street, \$12,000. Architect, E. Allen Wilson, 1208 Chestnut street. Owner, Eli Walls, 275 South Fifty-second street, Philadelphia. Hot water heat, electric light, tile work, plumbing, flush bulks. Contract awarded to LeRoy K. Smith, Forty-second and Chester avenue.

**Dwelling**, Marvine street, North of Wagner avenue, Philadelphia, \$6,000. Architect, private plans. Owner, William Barclay Lex, 803 West End Trust Building, Philadelphia. Brick, 16x49 feet, hot water heat. Contract awarded to R. M. Webb, 5009 North Broad street, Philadelphia.

**Garage**, Musgrave street, South of Duval street, Philadelphia, \$4,000. Architect, private plans. Owner, John S. Byne, 4650 Brinton street, Philadelphia. Stone, 1 story, 50x9 feet. Contract awarded to John J. Hurley & Co., 4416 Cresson street.



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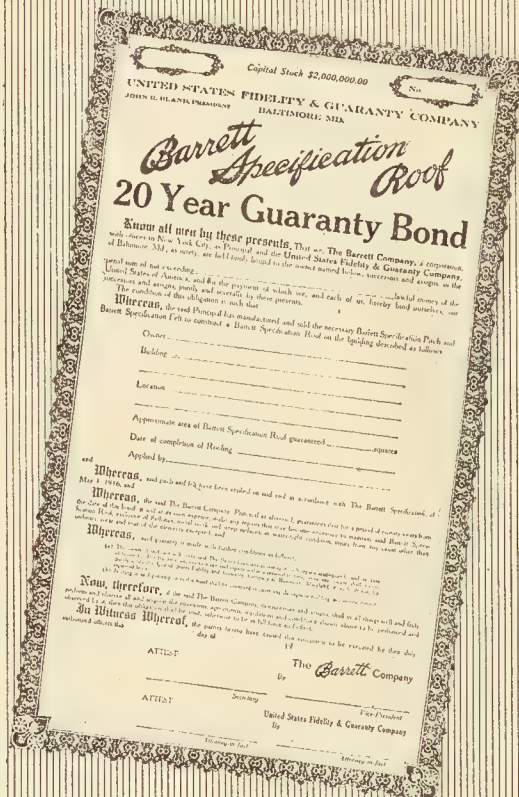
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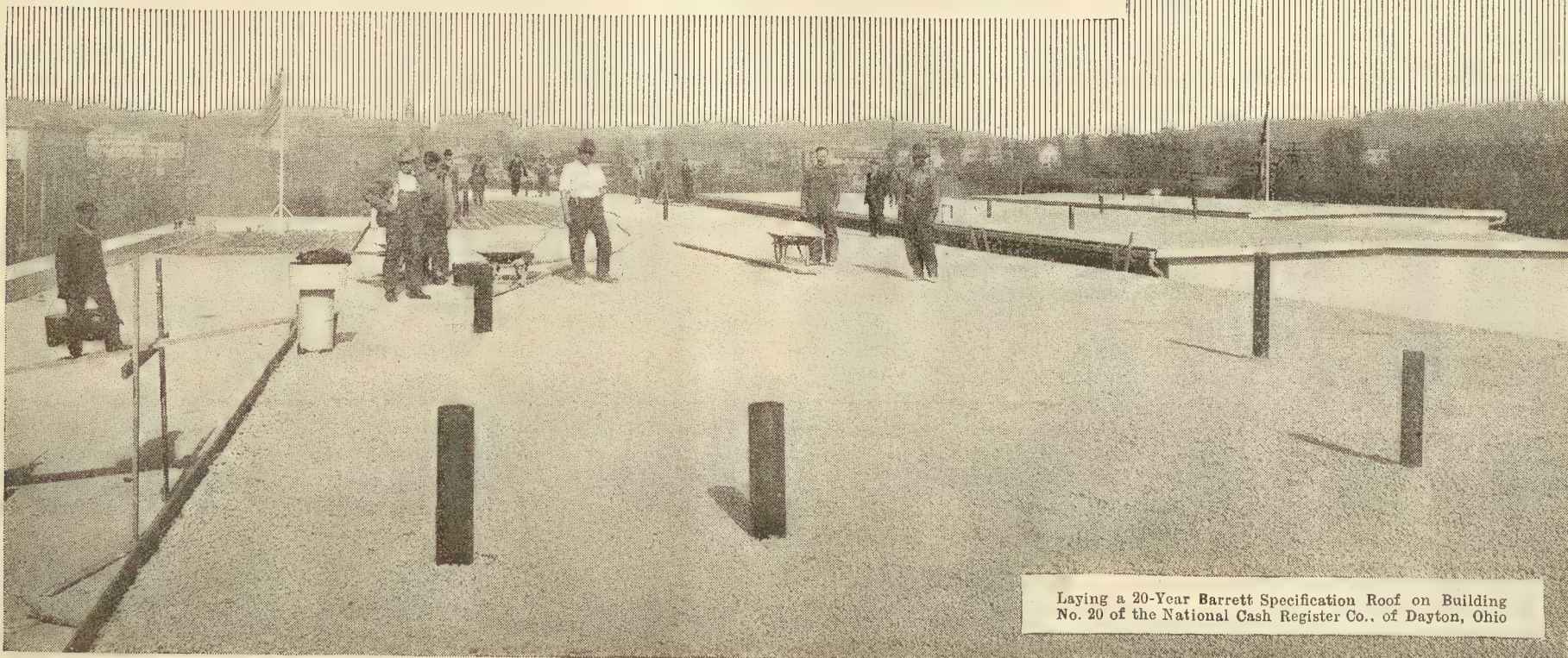
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**Store and Dwelling (add.)**, 1442 South street, Philadelphia, \$9,700. Architect, private plans. Owner, S. Simon, on premises. Brick, 2 stories, 6½x10½ feet and 1 story, 4x60 feet. Contract awarded to Frank & Kaiser, 1522 South Sixth street, Philadelphia.

**Dwelling**, Northeast Corner Roosevelt Boulevard and Leveck street, \$5,000. Architect, private plans. Owner, Mrs. A. Forepaugh, 1645 Pratt street, Philadelphia. Stone, 1 story, 36x48 feet, asbestos shingle roof, hot water heat. Contract awarded to A. Forepaugh, 1645 Pratt street, Philadelphia.

**Bakery and Stable**, 1222 Ridge avenue, Philadelphia, \$5,000. Architect, private plans. Owner, Parkway Baking Co., on premises. General alterations. Contract awarded to P. A. Waltz, 6610 North Seventh street.

**Dwellings (5)**, Marvine street, south of Somerville avenue, \$25,000. Architect, private plans. Owner, William Barclay Lex, 803 West End Trust Building, Philadelphia. Brick, 2 stories, 16x28 feet and 11x11 feet, hot water heat. Contract awarded to R. M. Webb, 5009 North Broad street, Philadelphia.

**Store and Garage**, Sixty-third street, North of Chestnut street, Philadelphia, \$37,000. Architect, private plans. Owner, Gertrude Shear, 548 Redfield street, Philadelphia. Brick, 2 stories, 80x97 feet. Contract awarded to Joseph Boff, 519 South Sixtieth street, Philadelphia.

**Building (add. and alt.)**, Somerset street, East of Amber street, \$3,000. Architect, private plans. Owner, Joseph Gubbins, 2124 East Somerset street, Philadelphia. Brick, 2 story add., 24x32 feet, general alterations. Contract awarded to E. J. Gilbert, 3337 Emerald street, Philadelphia.

**Apartment House**, Pulaski and Erie avenues, Philadelphia, \$3,000. Architect, private plans. Owner, N. D. Strecker, on premises. Brick, 4 stories, 88x100 feet, slag roof, pine

floors, metal lath, roof ventilators, stone foundations, steam heat, electric light, tile work, iron work. Contract awarded to Henry P. Schneider, 3713 Old York Road.

**Safes and Service Building**, 1425 North Broad street, Philadelphia, \$21,000. Architect, LeRoy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, Hartford Realty Co., 859 North Broad street, Philadelphia. Brick, stone and steel, 2 stories, 30x160 feet, slag roof, maple floors, metal lath, metal ceilings, iron work, stone foundations, steam heating, electric lighting, rolled steel skylights. Contract awarded to Hogg Const. Co., Denckla Building, Philadelphia.

**Garage**, 5920-22 Ditman street, Philadelphia, \$4,500. Architect, private plans. Owner, J. Kinsil, on premises. Brick, 1 story, 29 feet 2 inches x19 feet and 19x136 feet. Contract awarded to Frank W. Zebley, 6012 Hegerman street.

**Manufacturing Building**, Southeast Corner Delaware avenue and Shackamaxon street, \$250,000. Architect, private plans. Owner, Pennsylvania Sugar Refining Co., 1037 North Delaware avenue. Steel and brick and concrete, 12 stories, 90x56 feet, slag roof, electric light (heating reserved). Contract awarded to O'Meara Const. Co., 253 South Quince street.

**Dwelling**, "C" street, North of Borbiek street, Philadelphia, \$4,000. Architect, private plans. Owner, J. McKee, Fox Chase, Philadelphia. Frame, 2 stories, 26x40 feet, shingle roof, hot air heat. Contract awarded to Joseph Ashby, Fox Chase, Philadelphia.

**Building (alt.)**, 908-12 Ridge avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Hotel Supply Co., on premises. General alterations. Contract awarded to A. H. Spinard, 822 Wood street, Philadelphia.

**Garage**, 6386 Sherwood Road, Philadelphia, \$2,700. Architect, private plans. Owner, W.

Taylor Poulterer, on premises. Hollow tile, 1 story, 22x24 feet. Contract awarded to M. W. Young, 2012 North Sixtieth street, Philadelphia.

**Garage**, 6342 Sherwood Road, Philadelphia, \$2,200. Architect, private plans. Owner, G. K. Bartle, on premises. Stone, 1 story, 14 feet 8 inches x24 feet 8 inches. Contract awarded to M. W. Young, 2012 North Sixtieth street, Philadelphia.

**Garage**, 1903-05 Jackson street, Philadelphia, \$2,000. Architect, private plans. Owner, S. Nelson, on premises. Brick, 1 story, 32x37 feet. Contract awarded to George H. McCurdy, 1925 McKean street, Philadelphia.

**Tenement House (alt.)**, Eighteenth and Berks streets, Philadelphia, \$2,500. Architect, private plans. Owner, Mrs. Mabel C. Bauer, on premises. General alterations, hot water heat. Contract awarded to Fred H. Powell, 1811 Columbia avenue.

**Residences (2)**, 6114-16 Lansdowne avenue, \$3,500. Owners, Chabun Bros., 38 South Water street. Brick, 1 story, 15x18 feet. Contract awarded to S. Solickowsky, 603 Morris street, Philadelphia.

**Church (alts.) to Synagogue**, Twenty-third and Wharton streets, Philadelphia, \$4,000. Architect, private plans. Owner, M. Bernstein, Point Breeze avenue and Wharton street, Philadelphia. General interior alterations. Contract awarded to H. Kolmetzky, 2735 South Seventh street, Philadelphia.

**Garage**, West side Cottage street, North of Benner street, \$1,500. Architect, private plans. Owner, O. H. Thompson, on premises. Brick, 1 story, 47x18 feet, electric light, cement floors. Contract awarded to Frank W. Zebley, 6012 Hegerman street.

**Store**, 1319 Vine street, Philadelphia, \$4,500. Architect, private plans. Owner, Henry S. Reed, 1112 Chestnut street, Philadelphia. Brick, 2 stories, 15½x68 feet and 1 story,

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15½x12 feet. Contract awarded to B. F. Virden, 2917 West Fletcher street.

Dwelling (add.), 2208 Hunting Park avenue, Philadelphia, \$4,000. Architect, private

plans. Owner, Clara S. Ogden, on premises. Brick, 1 and 2 stories, 24x14 feet and 4x18 feet. Contract awarded to John Schuster, 3552 North Fifteenth street, Philadelphia.

Sansom street, Philadelphia, are figuring.

**Residence**, Abington, Pa. Architect, William H. Wooters, 816 West Allegheny avenue, Philadelphia. Owner, Harry V. J. Valet, care of architect. Hollow tile and stucco, 2½ stories, 24x42 feet, asbestos shingle roof, oak and pine floors, cement work, hot water heat, electric light, tile work, stone foundations, enclosed porch. Plans in progress. Architect will take bids in one week.

**Rectory**, Willow Grove, Pa. Architect, Paul A. Monaghan, 1218 Chestnut street, Philadelphia. Owner, Mission of St. David, care of Rev. Edward J. Curran, Mineral Spring Inn, Willow Grove, Montgomery County, Pa. Sketches being drawn. Too early for details.

**Residence and Garage**, Merion, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Thomas J. Hare, Merion, Pa. Stone, 2½ stories, 28x87 feet, and 1 story, 19x26 feet, slate roof, oak and pine floors, stone foundations, electric light, tile work, iron work, cement work (heating and plumbing reserved). Architects taking revised bids due September 5th. E. J. Hedden, Finance Building; Milton W. Young, Overbrook, Pa.; Charles C. Pace, Merion, Pa., and J. E. Kearney, 34 South Seventeenth street, are figuring.

**Residence and Garage**, Paoli, Pa. Architect, E. Nelson Edwards, 1012 Walnut street, Philadelphia. Owner, name withheld. Hollow tile and stucco, 2½ stories, 33x24 feet, wing 18x25 feet, and 1 story, 16x20 feet, slate roof, oak floors, tile and marble work, vapor heat, electric lighting, plumbing. Architect taking bids due September 8th. J. D. Lengle, Wayne, Pa.; Milton W. Young, Overbrook, Philadelphia; Paschall & Son, Paoli, Pa., and William Morrison, Paoli, Pa., are figuring.

**Church and Sunday School**, Berwick street and Teitz avenue, Easton, \$75,000. Architect,

**School**, No. 3, South Side, Bethlehem, Pa., \$250,000. Architect, Verus T. Ritter, North American Building, Philadelphia. Owner, Board of Education, Bethlehem, Pa. Brick and stone, 3 stories, 150x270 feet, composition roof, metal lath, roof ventilators, stone foundations, steam heat, electric light, tile, marble and terrazzo work, hollow metal skylights, roof ventilators, iron stairs. Owners taking bids due September 16th. Cramp & Co., Denckla Building, Philadelphia, are figuring.

**Residences (2)**, Overbrook, Pa. Architect, Stephen Harvey, 3337 Woodland avenue, Philadelphia. Owner, Isadore Brown, Overbrook, Pa. Frame and stucco, 2½ stories, 40x45 feet, slate roof, oak floors, stone foundations, hot water heating, electric lighting, tile work, metal lath. Architect taking bids due September 6th. William R. Dougherty, 1610 Sansom street, is figuring.

**Residence (alts. and add.)**, Devon, Pa. Architect, R. Brognard Okie, Crozer Building, Philadelphia. Owner, Mrs. G. Genge Brown, Devon, Pa. Stone and frame, shingle roof, new floors, hot air heating, electric light, plumbing. Architect taking approximate bids due as soon as possible. Charles Gilpin, Harrison Building, Philadelphia; Charles Ed-

wards, Berwyn, Pa., and Frank Shainline, Devon, Pa., are figuring.

**Male Nurses' Home (alts. and add.)**, Norristown, Pa. Architect, Harry Gordon McMurtrie, 1012 Walnut street, Philadelphia. Owner, State Hospital for the Insane, Norristown, Pa. Brick and terra cotta, 2½ stories, 44x51 feet, slate roof, maple and composition floors, stone foundations, steam heat, electric lighting, tile and marble work, metal lath, iron work. Owners taking bids due September 17th. Standard Const. Co., 1713 Sansom street, and Hurley Bros., Franklin Trust Building, are figuring.

**Buildings**, Wilson Township, Easton, Pa. Architect, William M. Michler, Easton, Pa. Owner, Easton Hospital, Easton, Pa. Brick, concrete, stone, steel and stucco, power house, 1 story, 35x88 feet, hospital building, 4 stories, 44x139 feet, wings, 25x70 feet, (2) 49x50 feet and (2) 47x25 feet, nurses' home, 3 stories, 26x69 feet, wing, 25x68 feet, slag roof, composition floors, hollow tile, concrete foundations, metal weather strip, waterproofing, tile, marble and terrazzo work, hollow metal skylights, fire doors, fire escapes, iron stairs, iron work (heating, electric work and plumbing reserved). Owners taking bids due September 26th. Standard Const. Co., 1713

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George E. Savage, Witherspoon Building, Philadelphia. Owner, Second Methodist Episcopal Congregation, care of Rev. Charles Rhodes, Easton, Pa. Stone, 2 stories and basement, 90x100 feet, slate roof, pine floors, metal lath, stone foundations, electric light, steam heating, tile work. Plans in progress.

**Residences (2)**, Glenside, Pa. Architect, Lawrence Vissher Boyd, Harrison Building, Philadelphia. Owner, name withheld. Frame, 2½ stories, 30x30 feet, shingle roof, pine floors, hot air heat, electric lighting. Architect will take bids in one week.

**Knights of Columbus Building**, Ninth and Welsh streets, Chester, Pa., \$75,000. Architect, Clarence Brazer, Crozer Building, Chester, Pa. Owner, care of architect. Stone 3 stories, 60x60 feet, stone foundations, tile roof, hardwood and tile floors, electric lighting, tile work, elevators, roof ventilators. Architect ready for bids.

**Church**, Cedar Hollow, Pa. Architect, Paul A. Monaghan, 1218 Chestnut street, Philadelphia. Owners, St. Joseph's Roman Catholic Church, care of Rev. J. H. Martin, Malvern, Pa. Stone and frame, 1 story, 40x70 feet, shingle roof, stone foundations (heating and electric work reserved). Architect has received bids.

**Residence**, Wayne, Pa. Architects, D. K. Boyd, V. D. Abel and F. Gugert, Otis Building, Philadelphia. Owner, C. Wetzel, Wayne, Pa. Terra cotta and plaster, 2½ stories, 24x36 feet, wing 22x24 feet, shingle roof, oak floors, stone foundations, electric light, tile work, central heating. Architects will be ready for bids in a week.

**Residence**, Llanerch, Pa. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, name withheld. Stone, 2½ stories, 28x50 feet, slate roof, oak floors, hot water heat, electric lighting, tile and marble work. Plans in progress.

**Residence and Garage**, Merion, Pa. Architect, private plans. Owner, Charles R. Wentz, Merion, Pa. Stone, 2½ stories, 31x42 feet, wing 18x24 feet, garage, 14x27 feet, shingle roof, oak and cement floors, metal lath, stone foundations, electric light, tile and marble work (heating reserved). Owners taking bids due September 5th. A. L. Fretz & Son, Heed Building, are figuring.

**Residence**, Lansdowne, Pa. Architect, private plans. Owner, Mr. Bingham, Lansdowne, Pa. Stucco and stone, 2½ stories, 38x40 feet, asbestos shingle roof, oak floors, stone foundations, tile work (heating, electric lighting and plumbing reserved). Owner taking bid from W. O. Springer, 1624 Latimer street, due as soon as possible.

## Pennsylvania Contracts Awarded

**Residence**, Ardmore, Pa. Architects, Melvain & Roberts, Otis Building, Philadelphia. Owner, Mrs. Margaret MacLeod, Ardmore, Pa. Frame, 2½ stories, 12x40 feet, wing 20x31 feet, shingle roof, oak floors, stone foundations, vapor heat, electric light, tile work, iron work. Contract awarded to H. G. Campion, Otis Building, Philadelphia.

**School**, West Side, Bethlehem, Pa. Architect, Verus T. Ritter, North American Building, Philadelphia. Owner, Board of Education, Bethlehem, Pa. Brick, reinforced concrete, 3 stories, concrete foundations, hollow

tile, metal lath, tile, marble, terrazzo and slate work, wood block, terrazzo and hemlock floors, composition roof, hollow metal skylights, ornamental iron work. Contract awarded to T. J. Groman, Bethlehem, Pa.

**Residences (2)**, Lancaster, Pa. Architect, William C. Pritchett, 421 Walnut street, Philadelphia. Owner, name withheld. Stone and frame, 2½ stories, shingle roof, oak floors, hot water heating, electric lighting, tile work. Contract awarded to H. L. Wiant, Lancaster, Pa.

**Infirmary (add.)**, Pottstown, Pa. Architects, Huit & Ash, Bullitt Building, Philadelphia. Owner, Hill School, Pottstown, Pa. Brick, 2½ stories, 32x50 feet, slate roof, steam heat, electric light. Contract awarded to Hall & Knipe, 1625 Ludlow street, Philadelphia.

## Proposals

### INVITATIONS FOR PROPOSALS.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., August 28, 1919. Sealed Proposals will be received at this office until 3 P. M., September 18, 1919, and then opened, for Marquise for Mailing Vestibule at the United States Post Office, New Haven, Conn., in accordance with drawing R. No. 227 and this specification, copies of which may be had at the office of the Custodian or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., August 25, 1919. Sealed Proposals will be opened in this office at 3 P. M., October 6, 1919, for the construction of the United States Post Office at St. Johnsbury, Vt. Drawings and specifications may be obtained from the custodian of the site at St. Johnsbury, Vt., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., August 30, 1919.—Sealed Proposals will be opened in this office at 3 P. M. October 10, 1919, for the construction of the United States Post Office at Lock Haven, Pa. Drawings and specifications may be obtained after September 13, 1919, from the Custodian of the site at Lock Haven, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

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## New Jersey Construction News

Store and Apartment, Collingswood, N. J. Architects, Moffett and Truscott, 30 North Third street, Camden, N. J. Owner, Harry J. Belz, 704 Haddon avenue, Camden, N. J. Brick, 2 stories, 30x60 feet, stone foundations, slag roof, hardwood floors, steam heating, electric lighting, tile work. Plans in progress.

Dwelling, Maple avenue, Collingswood, N. J. Architects, Moffett and Truscott, 30 North Third street, Camden, N. J. Owner, Edward W. Thompson, Camden, N. J. Frame and stucco, 2½ stories, 24x33 feet, shingle roof, hardwood floors, pipeless heating, electric lighting, tile work. Plans in progress.

Residence, Riverton, N. J. Architect, J. Fletcher Street, 129 South Fifth street, Philadelphia. Owner, Robinson MacMullin, Riverton, N. J. Frame and stucco, 2½ stories, 30x35 feet, shingle roof, oak floors, stone foundations hot water heat, electric lighting, plumbing. Plans in progress.

Residence, Woodbury, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, I. D. Sayre, National Park, N. J. Brick, 2½ stories, 35x55 feet, shingle roof, oak floors, hot air heat, electric lighting. Architect taking bids due September 9th. William R. Graham, 3649 Filbert street, is figuring.

Residence, South Orange, N. J. Architect, C. A. Ziegler, 1218 Chestnut street, Philadelphia. Owner, name withheld. Stone, 2½ stories, 35x110 feet, slate roof, oak floors, stone foundations, hot water heat, electric lighting. Architect will be ready for bids in a month.

Bank (alts. and add.), Haddonfield, N. J. Architects, William W. Slack & Son, Trenton, N. J. Owner, Haddonfield National Bank, Haddonfield, N. J. Brick, steel and stucco, 2 stories, 33x38 feet, slate roof, tile and oak floors, metal lath, stone foundations tile work, iron work (heating, electric work and marble work reserved). Architects taking bids due September 4th. Standard Const. Co., 1713 Sansom street, Philadelphia, are figuring.

## New Jersey Contracts Awarded

Office Building, Sea Brook Farms, Bridgeton, N. J. Architects, Custer & Gill, Third and Market streets, Camden, N. J. Owner, Sea Brook Farm Co., on premises. Hollow tile, 1 story, 40x46 feet, asbestos shingle roof, pine floors, electric lighting. Contract awarded to George Maier & Son Bridgeton, N. J.

Sewerage System and Disposal Plant, Paulsboro, N. J. Architects, Remington and Vossbury, 601 Market street, Camden, N. J. Owners, Borough of Paulsboro, care of Daniel D. Pote, Black Building, Paulsboro, N. J. Terra cotta pipe sewers and connections, 10 4-10 miles, 107 manholes, 11 flush banks and pumping station and disposal plant. Contract for sewerage system awarded to R. F. Reilly, 1821 Faity street, Easton, Pa. Contract for disposal plant awarded to P. H. Hennessy, Blackwood, N. J.

## Delaware Construction News

Dwellings (8), 2600 Madison street, Wilmington, Del., \$32,000. Architect, private plans. Owner, F. R. Zebley, 1302 King street, Wilmington, Del. Brick, 2 stories, slag roof, stone foundations, 21x30 feet, pine floors, electric light, steam heat. Owner will build.

Garage (31), Twenty-seventh and Jefferson streets, Wilmington, Del., \$7,750. Architect, private plans. Owner, T. R. Zebley, 1302 King street, Wilmington, Del. Brick, 1 story, 10x20 feet, slate roof, electric light. Owner will build.

## Delaware Contracts Awarded

Garage (add.), Eleventh and Broome streets, Wilmington, Del. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, H. Fletcher Brown, on premises. Brick, one-story addition, slag roof, cement floors. Contract awarded to Milton W. Young, Overbrook, Philadelphia.

Factory, Yorkland, Del. Owners, National Fibre Co., Yorkland, Del. Reinforced concrete, 2 stories, 60x140 feet, slag roof, maple and concrete floors, concrete foundation (plumbing, heating and light reserved), waterproofing and dampproofing. Contract awarded to Austin Co., Bulletin Building.

Factory Building, Newark, Del. Architect, private plans. Owners, Continental Fibre Co., Newark, Del. Reinforced concrete, 2 stories, 60x200 feet, slag roof, concrete and maple floors (plumbing, heat and light reserved), water and dampproofing. Contract awarded to Austin Co., Bulletin Building.

Dwelling, Grant and Park avenues, Wilmington, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, Howard S. Schutt, Wilmington, Del. Hollow tile, 3 stories, 30x66 feet, slate roof, steam heat. Contract awarded to Wm. D. Haddock, Wilmington, Del.

Dwellings (2), 2705-07 Van Buren street, Wilmington, Del., \$10,000. Architect, private plans. Owner, A. B. Slayton Co., 2600 Boulevard, Wilmington, Del. Brick, 2 stories, 20x33 feet, stone foundations, slag roof, hardwood floors, hot air heat, electric light, tile work. Contract awarded to P. H. Lynch, 304 West street, Wilmington, Del.

House (alts.) to Apartment (add.), 1505 Penn avenue, Wilmington, Del. Architect, E. L. Rice, 815 Market street, Wilmington, Del. Owner, Mrs. Loebers, on premises. Brick, 2 stories, 14x16 feet, 6x15 feet, tin roof, hardwood and pine floors. Contract awarded to S. E. Tarbutton, Wilmington, Del.

School, Seventeenth and Mount Vernon Road, Wilmington, Del., \$94,355. Architect, private plans. Owners, Tower Hill School Corporation, Wilmington, Del. Plumbing and heating. Contract awarded to R. G. Carpenter Co., Wilkes-Barre, Pa.

Residence and Garage, near Wilmington, Del. Architects, Mellor, Meigs & Howe, 201 South Juniper street, Philadelphia. Owner, Christopher Ward, Wilmington, Del. Brick, 1½ stories. Plans in progress.

Stores and Garage, Eleventh and Orange streets, Wilmington, \$68,000. Architects, Brown and Whiteside, Dupont Building, Wilmington, Del. Owner, Central Realty Co.,



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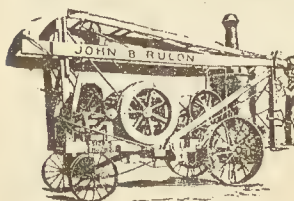
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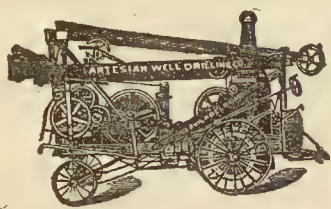


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901 Market street, Wilmington, Del. Stone and brick, 1 story, 154x99 feet, stone foundations, composition and tile roof, hardwood and cement floors, electric light, tile work. Contract awarded to Stewart Willey Co., Wilmington, Del.

**Factory (add.),** Thirtieth and Spruce streets, Wilmington, Del.; \$54,000. Architect, private plans. Owner, Speakman Co., 816 Tatnall street, Wilmington, Del. Brick, 2 stories, 60x180 feet, stone foundations, slag roof, pine floors, electric light. Contract awarded to J. E. Healy & Son, Wilmington, Del.

**School (add.),** Third and Harrison streets, Wilmington, Del.; \$3,800. Architect, private plans. Owner, Board of Public Education, Wilmington, Del. Brick, 1 story, 14x9 feet, stone foundation, pine floors. Contract awarded to William G. Robelen, Wilmington, Del.

**Dwelling (add.),** Sixteenth and Mt. Salem streets, Wilmington, Del.; \$2,600. Architect, private plans. Owner, F. D. Brown, on premises. Brick, 1 story, 13x16 feet, stone foundations, slate roof, hardwood floors, heating extension, electric lighting. Contract awarded to Charles Forwood, 2014 Boulevard, Wilmington.

## Miscellaneous Construction News

**Residence, Cape Charles, Va.** Architects, Charles W. Bolton & Son, Witherspoon Building, Philadelphia. Owner, A. L. Detwiler, Cape Charles, Va. Brick, 2½ stories, 30x36 feet, slate roof, oak floors, hot water heat, electric light. Architect will be ready for bids in ten days.

**Storehouse, Watertown Arsenal, Watertown, Mass.** Architect, private plans. Owner, Watertown Arsenal, care of Commanding Officer, on premises. Brick, concrete and steel, 1 story, 78x500 feet, cement tile roof, maple and concrete floors, electric light, rolled steel sash, iron work, slate work, plumbing, painting, glazing. Owners taking bids, due August 29th. Hughes-Foulkrod Co., Commonwealth Building, Philadelphia, figuring.

**Residence (alts. and add.), Hudson, Ohio.** Architect, Alexander S. Adams, 1430 Walnut st., Philadelphia. Owners, Philadelphia Rubber

Works Co., care of J. Kearsley Mitchell, president, Land Title Building, Philadelphia. General alterations and porch addition, composition, oak and pine floors, plumbing, hot water heat, electric light, tile work, cabinet work, changing partitions. Architect taking bids. Crowell-Lundoff-Little, Cleveland, Ohio, are figuring.

**Bakery, Long Island City, N. Y.** Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Sawyer Biscuit Co., Long Island City, N. Y. Brick and steel, 8 stories, 126x200 feet, slag roof, cement and maple floors, hollow tile, safety treads, roof ventilators, dampproofing, iron work, concrete foundations, rolled steel sash, fire and kalamein doors (elevators, plumbing, heating and electric work reserved). Architects have received bids.

**Service Station, Long Island City, N. Y.** Architects, Watson Eng. Co., Cleveland, Ohio. Owners, The White Motor Co., Cleveland, Ohio. Brick, concrete and steel, 4 stories, 199x440 feet, asbestos built-up roof, cement and maple floors, concrete foundations, tile work, rolled sash, fire doors, iron work. Owners have received bids.

**Factory (add.), Niagara Falls, N. Y.** Architect, private plans. Owners, Carborundum Co., Niagara Falls, N. Y. Reinforced concrete, 3 stories, 81x224 feet, composition roof, concrete floors, concrete foundations, steam heat, electric light, safety treads, rolled steel sash. Owner has received bids.

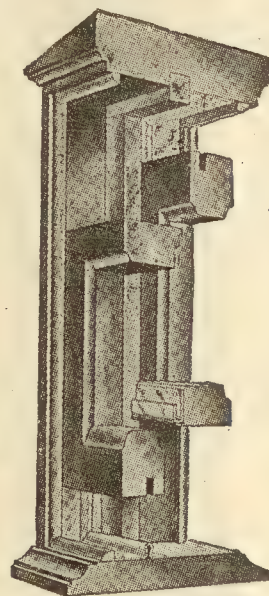
**Acute Building, Kings Park, N. Y.** Architect, Lewis F. Pilcher, State Architect, Albany, N. Y. Owner, Kings Park State Hospital, Kings Park, N. Y. Brick and steel, 3 stories, 39x295 feet, slag roof, (2) wings, 34x39 feet and 75x26 feet, fireproof floors, metal lath, waterproofing, dampproofing, stone foundations, tile and marble work, iron stairs and work, metal lath, safety treads (heating and electric work reserved). Architect taking bids due September 9th. Warren-Moore Co., Colonial Trust Building, figuring.

**Ice Storage Plant, Fifteenth street and E street, N. E., Washington, D. C.** Architect, Waldemar Mortensen, 209 West Seventy-sixth street, New York City. Owner, American Ice Co., Sixth and Arch streets, Philadelphia. Brick and steel, 3 stories, 83x110 feet, slag roof, cement and pine floors, stone foundations, roof ventilators, waterproofing, iron work (heat and electric work reserved). Architect taking bids due September 8th. Warren-Moore Co., Colonial Trust Building, figuring.

**Residence, Pinehurst, N. C.** Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, H. Radford Lewis, Pinehurst, N. C. Frame, 2½ stories, 20x25 feet, wing 18x27 feet, thatched roof, oak floors, hot air heating, tile work. Architect taking bids due as soon as possible. Joseph Stout, Stamford, N. C.; Harbin Const. Co., Lexington, N. C.; William B. Hunt, care of Hunt Bros., Greensboro, N. C., and Milton W. Young, Overbrook, Pa., are figuring.

**Mausoleum, Boonsboro, Md.** Architect, W. H. Lee, 32 South Seventeenth street, Philadelphia. Owner, Central Mausoleum Co., Carlisle, Pa. Reinforced concrete, granite, marble and bronze, 18 feet high, 29½x56 feet. Owners are taking bids on material and will build.

**New Town, East Coast of Florida, near Fort Pierce.** Architects, private plans. Owners, East Coast Development Co., 2228 Land Title Building, Philadelphia. Residences, store buildings, office building, hotel, loading



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docks, new streets and roads, sewer system, water supply systems, sea wall. Contract awarded to Wills-Ludwick Co., 1708 Sansom street, Philadelphia. (Cost plus.)

**House, Menands, Albany, N. Y., \$12,000.** Architects, Moffett and Truscott, 30 North Third street, Camden, N. J. Owner, R. B. Sims, Albany, N. Y. Frame (Colonial type), 2½ stories, 30x40 feet, shingle roof, hardwood floors, warm air heating, electric lighting, tile work. Architect will take bids next week.

(Continued from Page 532.)

Flue linings should be made of terra cotta or fire clay tile without lipped joints and should have walls not less than one inch thick. Ordinary sewer tile is not suitable for use as flue lining. If two flues are run in the same space, offset the joints at least four inches to prevent a fire in one flue from passing to the other. Linings should be set in cement mortar and carried up with the chimney walls and the space between the lining and the walls should be grouted with cement mortar. The entire flue area should be lined from top to bottom. An accumulation of soot at the base of the flue may cause a hot blaze. If the flue has offsets for fireplaces, etc., they will often be the hottest portion of the smoke passage and the lining should follow the slope and not stop at the end of the vertical part.

Chimneys should be free to move independently of the building. This is always possible for an interior chimney and to a limited extent for one on an outside wall. Joists, etc., should not rest on chimney walls and nails should not be driven into mortar joints. Woodwork should not be closer than two inches to the chimney. Where chimneys pass between joists, etc., the brick should be plastered on the outside with a coat of cement mortar one-half inch thick and extending at least a foot above and below the joists.

Chimneys should never rest on wood nor on unprotected metal supports; the former will shrink and cause cracks in the chimney and either material offers small resistance to fire—steel begins to lose its strength at a temperature of only 500 degrees. No supports other than fireproofed metal or masonry should be used and they should extend from the ground up—brackets are dangerous. For ordinary chimneys for two-story houses and average soil, the footing should be made of 1:2:4 concrete, 12 inches thick and 8 inches wider than the chimney all around. The footings should always be carried to the level of the adjacent house footings and below frost line in any case.—*National Builder.*

#### THE BATHROOM AND ITS EQUIPMENT.

It is safe to say, without exaggeration, that the selling value of a house is greatly enhanced by the number of its bathrooms and the character and completeness of their equipment.

The placing of such a value on this feature of house planning is simply a reflex of the general interest taken in all sanitary questions and is one of the many evolutions of modern civilization.

In crowded cities, where are congregated all manner of peoples, often under most unsanitary conditions, the question of preventing the spread of diseases is a serious one. It is obvious that the most careful safeguards should be adopted, not only to limit the area of contagion, but to remove the causes which generate sickness.

To cope with such conditions comprehensive laws have been enacted, and in all cities of importance these are rigidly enforced, with the result that all piping and all fixtures must be of an accepted standard grade and type, and the complete installation subjected to a thorough inspection before being accepted and put into use.

Perhaps more important still is the application of these laws to the remodeling of old buildings in which existing conditions are particularly dangerous.

While it is often true that the enforcement of these rules and regulations imposes hardships upon individuals, yet it works for the general good, as evidenced by the gratifying low death rates from year to year under normal conditions and by the good results obtained in localizing epidemics and preventing the spread of contagious diseases.

That baths were popular even in the days of the Roman Empire and that public bath houses were provided on an elaborate scale is amply demonstrated by such ruins as the Baths of Caracalla, but the bathroom in the home is a distinctly modern evolution, most highly perfected in America, and so varied are the ideas of what its equipment should be and so critical is the public in its requirements, that it will perhaps be of interest to dis-

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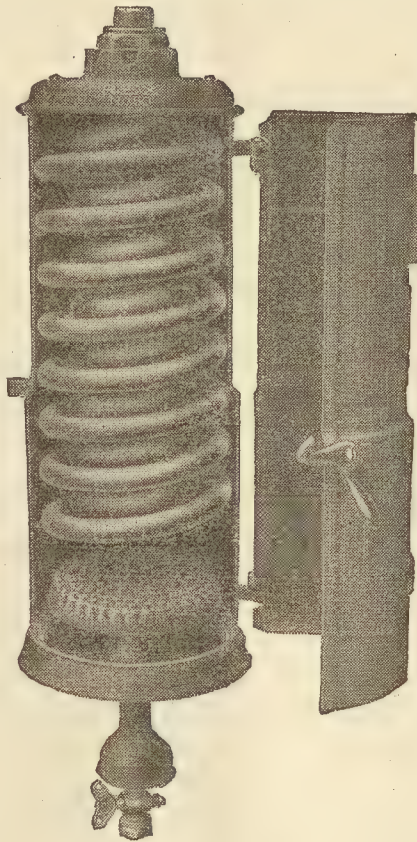
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cuss the bathroom and its equipment from a technical point of view.

The simplest bath room contains a tub and closet and should always be properly ventilated by an outside window or air shaft as required by the sanitary code. This type of room is often found in apartment houses and is commonly known as the servants' bathroom. It should not be smaller than 3 ft. 0 in. x 8 ft. 0 in. if a regular 5 ft. 0 in. tub is used and can be shorter if the length of the tub is reduced.

Where such rooms are provided the basin is placed in the bedroom, but sometimes even this is omitted and a bowl used, the water being drawn from the faucets at the tub.

The smallest dimensions for bathrooms containing tub, closet and basin are 4 ft. 6 in. x 6 ft. 6 in., which is the extreme limit, and where possible even in houses of low cost it is advisable to allow 5 ft. 0 in. x 7 ft. 0 in.

In rooms of this type the fixtures are necessarily very crowded and with the added accessories, such as towel bars, shelves, mirrors, etc., but little free space is left. However, where economy of space and limit of cost are of the first importance, they are entirely practicable.

For six, seven and eight-room houses two bathrooms are advisable and fully warrant their initial cost. The larger should be at least 5 ft. 0 in. x 8 ft. 0 in. and be for general use, while the other can vary in size according to conditions.

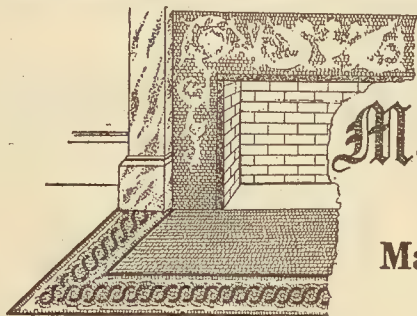
In larger houses the number of bathrooms and their size and equipment vary from the smallest and simplest to the most roomy and elaborate.

The most economical and in many respects satisfactory arrangement of fixtures is in a line along the wall, with window at one end of the room and door at the other. The best order in placing them is, first the closet next to the window, then the basin and lastly the tub between it and the door.

This arrangement secures good light, ventilation and floor space around the closet and basin, while it simplifies the piping reducing the cost of the rough work.

It is possible to limit the size of the room where the fixtures are so placed to 5 ft. 0 in. x 9 ft. 6 in., but an added 6-inch length is of great advantage.

Another satisfactory arrangement is by placing the fixtures against two walls with concentrated floor space rather than like a passageway as in the type above described. The dimensions of such rooms run from 4 ft. 6 in. x 6 ft. 6 in. to any desired, but a reasonable size is 5 ft. 6 in. x 7 ft. 6 in.



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Having determined the size of the room and the arrangement of fixtures, the question of interior finish comes up for consideration.

Wooden floors and base board should be avoided where possible, but if this cannot be done on account of the cost they should be of hard wood, either well painted or heavily varnished. The base should be without mouldings and be tightly fitted against the plaster wall, projecting as little as possible with beveled or rounded upper edge.

Composition finish flooring laid on an underwood floor is somewhat more costly than wood, but is much preferable to it. It is waterproof and vermin proof, can easily be washed clean and is pleasing in color, surface, finish and design. A most sanitary result is obtained by continuing it up the wall 6 inches, forming sanitary base, finishing flush with the plaster wall and joining the floor with a cove.

The most durable and desirable floors for bathrooms are either of tile or marble, the latter being the most expensive of all.

All the advantages obtained by using composition flooring as above described, apply to those covered with these materials, but to a higher degree.

It is advisable, and in some localities the laws require that closets be set on marble slabs. While this is true for all types of floors, it particularly applies when they are of wood.

Window and door trims are of wood in rooms where the floors are wood, and like the wood bases above described should be without moulding projecting slightly beyond or being flush with the plaster walls.

Wooden trim can safely be used in all bathrooms, but where the walls or wainscot are of tile or marble it is best to trim the openings with these materials.

Tile or marble wainscoting gives the greatest satisfaction. They are easily kept clean, are hard and durable, and if well laid present a smooth surface where it is hard for dust to collect. A good result is obtained by carrying the wainscot up to the height of the window sills letting the cap tile run all around, forming the sill.

Where the cost of tile or marble is prohibitive and a better surface than plaster is wanted for the walls, Keene's cement painted and marked off like tile gives excellent results at a moderate additional cost.

By painting the plaster walls and ceilings with a good enamel paint, a hard sanitary finish is secured than can easily be washed clean, and if flat enamel is

applied to the walls and a gloss finish given the ceilings and woodwork the effect is most pleasing.

The equipment of a bathroom for a house of moderate cost should consist of bath tub, closet, medicine closet, shelf, towel bars, paper holder and soap dish.

There is such a variety of design for all of these that it is difficult to make other than general suggestions that will be of real value, but it is always safe to keep to the simplest forms, best materials and good workmanship.

Low down tanks have many advantages and if of wood should be enamel finish as should the closet seats. Glass or porcelain bars and shelves are most sanitary but more costly than if made of wood.

Shower attachments, shampoo fixtures and electric outlet for heating curling irons are accessories that can be included if the cost is not to be considered.

All hardware should be of nickel.

A simple method of electric lighting is by a ceiling light controlled by a switch and such wall brackets as may be desired for special purposes such as shaving and hair-dressing.

The equipment of a bathroom can be carried to an elaborate degree, but if the sanitary recommendations here given are followed the result will be satisfactory, adding to the daily comfort of the home life and giving to the house a good marketable value.—*American Property Owner and Realty.*

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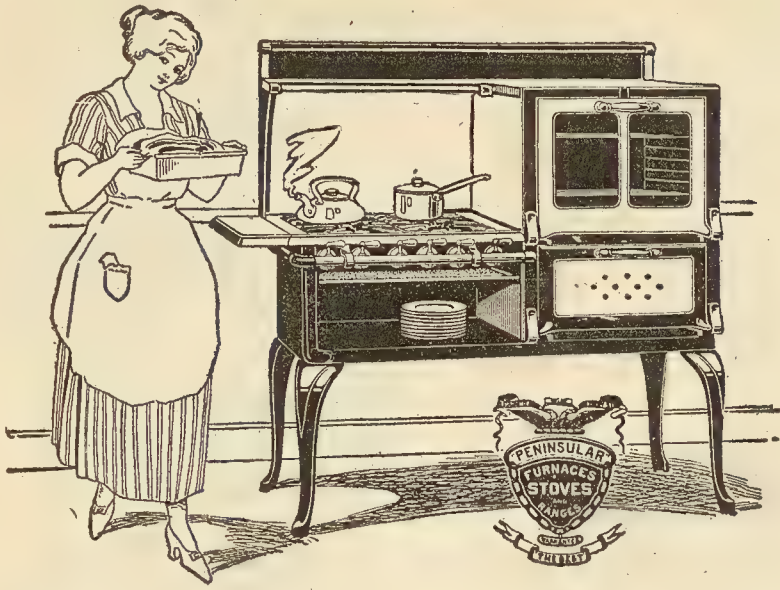
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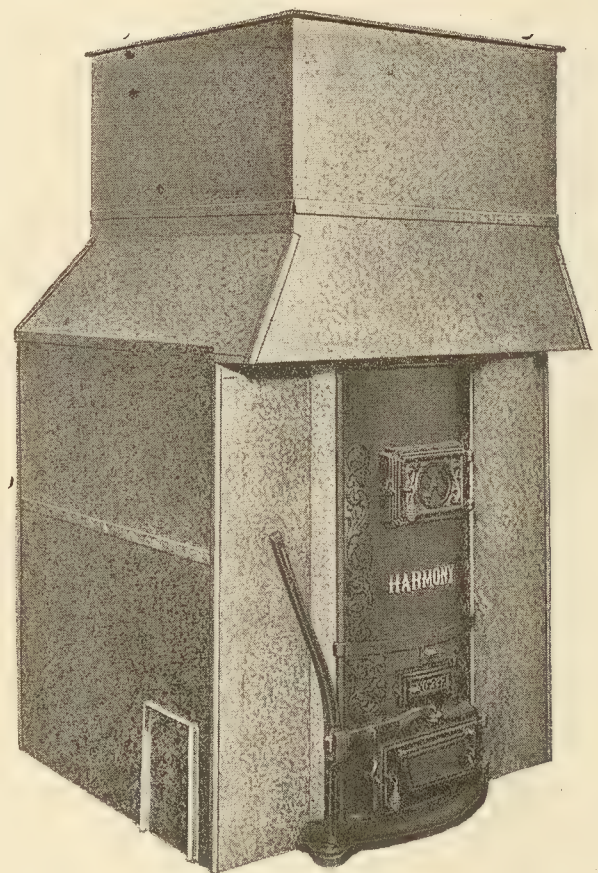
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David France Co.....Tasker st. wharf, Phila.  
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F. C. Lotz's Sons, American and Dauphin sts.

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Woodoleum Manufacturing Co.,  
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## Fire Doors and Shutters.

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McCalla Co., The Harold....531 N. 4th st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truseon Steel Co....Commonwealth Bldg., Phila.

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Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

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Caskey & Keen, Inc...6th and Berks sts., Phila.  
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Keystone Supply and Mfg. Co., 927 N. 9th st.  
Richardson and Boynton Co. 1332 Arch st., Phila.

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O. W. Ketcham.....Builders' Exchange, Phila.

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Wagner-Taylor-Edson Co., Inc.,  
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Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.  
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Janney Lumber Co. ....1147 Beach st., Phila.  
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Belfi Bros. & Co.....1923 Market st., Phila.  
Italian Marble Mosaic Co. 433 Spruce st., Phila.  
Roman-Cianci Co., Inc...3428 Warren st., Phila.

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McCalla Co., The Harold....531 N. 4th st., Phila.

Pearce Fireproof Co.....1345 Arch st., Phila.  
Truseon Steel Co....Commonwealth Bldg., Phila.

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Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

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| Cash in Banks.....                   | 2,395,335.33    |
| Premiums in course of transmission.. | 3,203,681.96    |
| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

## LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

Total Liabilities ..... \$30,801,413.40

Surplus to Policyholders..... \$ 12,922,516.93

Losses paid since organization 203,147,689.78

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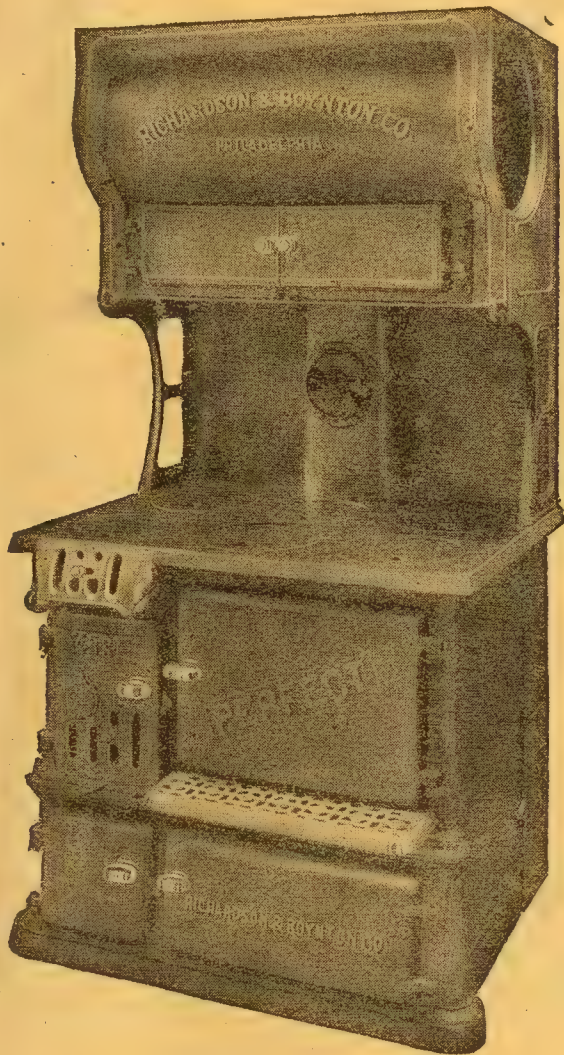
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 37  
September 10, 1919

ISSUED WEEKLY IN THE INTERESTS OF ARCHITECTS, STRUCTURAL ENGINEERS,  
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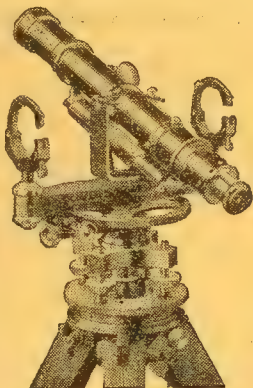
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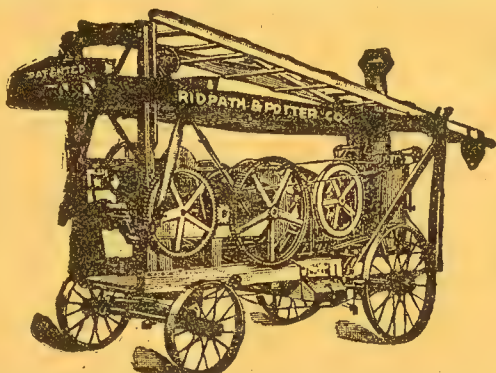
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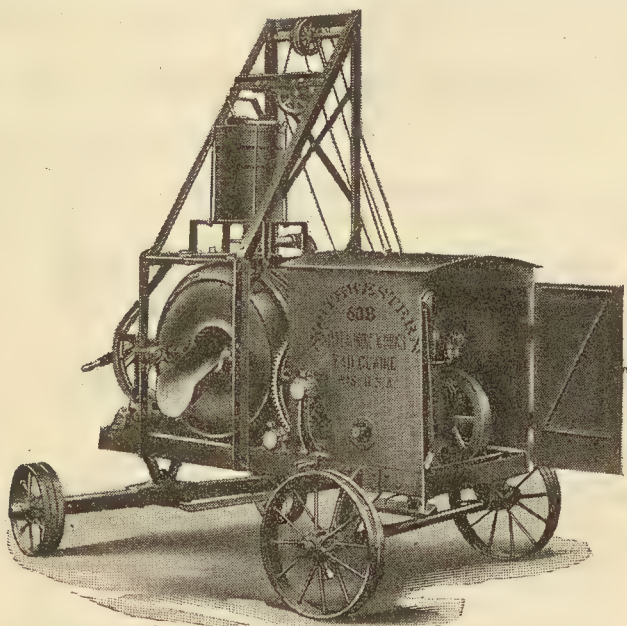
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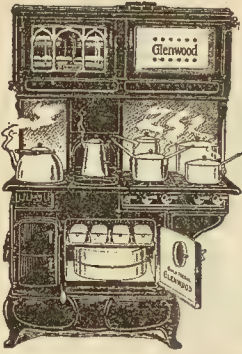
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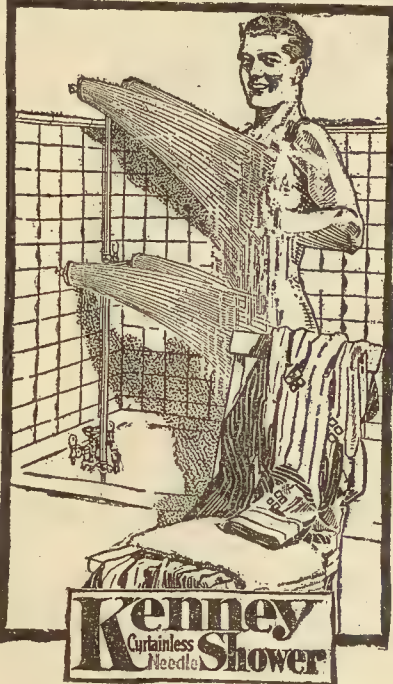


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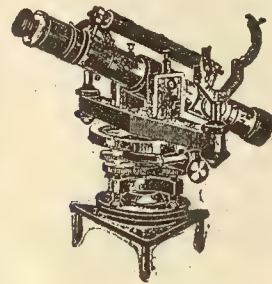
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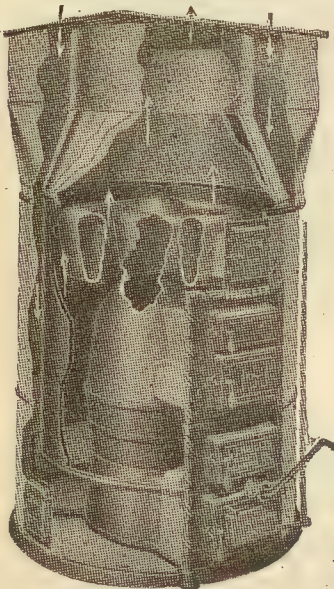
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# BUILDERS' GUIDE

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Engineering and the Building Trades

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## BUILDERS' GUIDE

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## As The Editor Sees It



GENERAL business conditions are not materially different from what they were a month ago, although the feeling as to the future is decidedly more conservative, as a result of the disquieting labor conditions and particularly the attitude of the heads of railroad organizations. It is generally recognized that the wage advances which are being demanded and granted on all sides are not accomplishing any permanent settlement, but probably making future conditions more difficult.

Payments through the banks in mid-summer have been running much above the record for any season of a previous year. This is due in part to the highest prices on record, but it also signifies great activity in production and trade. The steel industry is up close to its capacity in many lines, although railway buying is light. Export selling has been on a good scale, although it would be much larger if the credit problem was solved. In practically all textile lines the demand exceeds production, and in woolen goods the manufacturers are naming their prices and allotting their product to their regular customers, who gratefully take what is assigned to them or beg for more. Resales are above manufacturers' prices.

The labor supply has reached a state of decided scarcity for women as well as men. The agricultural and fruit-growing districts, canning factories and all rural employments are bidding higher than ever before. The steamers for

Europe continue to be crowded in their steerage accommodations.

The retail trade is on an enormous scale in every part of the country. Merchants are bothered to get the goods required to meet the demand on them, and all accounts agree that the demand is for goods of high quality. The trade situation controverts the claims that high prices are depriving any considerable portion of our people of the comforts of life. The situation seems to be that the buying power of the people has outrun the rate of production. They need to speed up the latter or save more capital for investment in productive equipment.

The crop situation is rather better than a month ago, as the corn crop, which was then in a critical state, was saved by timely rains and promises a better yield than was counted on at any time earlier in the season, possibly 2,900,000,000 bushels. The hay and forage crops are excellent, so that the situation as to meat supply and dairy products is improved.

Following the signing of the armistice came several months of uncertainty about prices. The Government dropped out of the market as a buyer, it was known to have large stocks of supplies which it would have to dispose of, the millions of men in the army were to be returned to industry, and the war industries were to be demobilized; the general conclusion was that a fall of prices must follow. A rush was made to cancel orders, further buying was suspended, pro-

duction was curtailed and a serious period of unemployment was threatened.

The situation, however, was stronger than appeared. Stocks were light, and as retail continued heavy, merchants had to buy quite freely in the spring. The European demand for foodstuffs raised prices for these commodities, and this made any general reduction of wages and of industrial costs in the near future improbable. As the situation became more settled, conditions revived, goods proved to be scarce and prices tended upward. Such a movement is cumulative, and by the first of June, stimulated further by good crop prospects, the country was in mood to buy everything from good clothes to automobiles, and all fears of a period of unemployment had vanished.

In the latter part of June and July the crops were seriously hurt. Three hundred million bushels were marked off the wheat crop from the high estimate, the other small grains all suffered and corn was threatened with disaster. This development radically changed the situation as to the prospective food supply. Instead of having a surplus which would fill up the empty bins both here and in Europe, and bear the price as a known surplus always does, it was to be for another year a close matching of supply against demand. Of course, prices responded. In time of threatened scarcity everybody wants to make a little more certain provision than when there is an assured surplus. Consumers do it and dealers do it, just as they all abstain

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from buying when there is a prospect that prices will go lower.

The June exports of the United States were on an enormous scale and this foreign buying had an influence on the markets, notably upon foodstuffs, leather and textiles. There was something like a scramble on the part of merchants to place orders for fall goods, and considerable extravagant talk about the prices which clothing and shoes would command next year.

Early in August came the demands of the railroad orders, couched in threatening language and suggesting the possibility of a strike which would shut down the transportation facilities of the country. Following in its wake was an epidemic of strikes, based upon the cost of living argument, the whole proceeding tending to promote excitement and ill-considered action.

It was probably desirable, in view of the fact that food must remain high for another year, that official action should be taken to supervise the situation, and thus give assurance that they will not be higher than the conditions make necessary. So far, however, the actual results of official activity are not important, and there is danger that the interference of a host of uninformed prosecutors may seriously disarrange the proper provision for next winter's supplies.

The labor situation is disquieting because the unrest which is prevalent tends to lower production, when the only possible remedy for the conditions complained of is in larger production. It is a trying time, a time which tests the sanity and patriotism of would-be leaders and groups. Every one who has any understanding of economic law and of social progress must be anxious that sober counsels shall prevail, and that the entire machinery of production shall be worked without interruption and with the highest possible efficiency to relieve the existing scarcity. This is no time for turmoil and strife, for class struggles or inflammatory speech. The men who have the qualities for wise leadership know that most of the troubles of society are due to the failure of people to understand one another, and they seek in times like this to quiet excitement and bring men together, rather than to intensify feeling and aggravate the disorder.

What is wanted now above everything else is work, steady, earnest work to repair the wastes of war and make good the shortage of necessities and comforts which has resulted from the four years' interruption of industry. There is no other way to make it good. Nothing could be more certain than that such a shortage would exist at the end of the war, and no one could rightfully expect

to escape all cost and inconvenience to himself. It is a time for the exercise of patience and reason. Conditions are undoubtedly trying for many people, but there is every reason to believe that they are temporary and will gradually right themselves as production is resumed. Indeed, all precedents go to show that in the long run the wage-earning class will come out with permanent benefits. Their wages have had a large advance, and when general prices fall they will be in a better position than ever before.

Modern society is necessarily co-operative. The population of this country cannot make a living as a primitive people, by hunting and fishing. They must supply their wants by means of organized industry, exchanging goods and services with each other. That kind of peaceful, progressive society is only possible upon the basis of respect and consideration for each other's rights. There must be an honest desire to give and take on terms that are mutually fair. The idea that the social groups shall take advantage of any strategical position which they may hold to get the better of each other is repugnant to the whole idea of co-operation, and in the long run no such advantage will be tolerated.

The employes of transportation companies, for instance, have it in their power to paralyze all kinds of industry, but their right to use the power which is thus accidentally in their hands cannot be admitted. They have a valid claim to just treatment, but the determination does not rest with themselves. They will certainly lose out in any conflict upon that issue, because the interests of no single group can ever be held superior to the rights of the whole community. The railroad men will always have the right to resign and go into other work, as thousands of low-paid Government employes are doing, but the right to conspire to tie up the transportation system is something different.

President Wilson in his appeal for the wage truce has challenged the attention of the entire country to the fact that there must be somewhere an end to wage increases, that increased production is the source of relief from prevailing prices, and that it is folly for labor to expect to continue indefinitely on wage levels established through war necessities. President Wilson in his appeal said:—

"The demands of the shopmen, therefore, and all similar demands, are in effect this: That we make increase in wages, which are likely to be permanent, in order to meet a temporary situation which will last nobody can certainly tell how long, but in all probability only for a limited time.

"Increases in wages, moreover, certainly result in still further increasing the

costs of production, and, therefore, the costs of living, and we should only have to go through the same process again.

"Any substantial increase of wages in leading lines of industry at this time would utterly crush the general campaign which the Government is waging, with energy, vigor, and substantial hope of success, to reduce the high cost of living.

"And the increases in the cost of transportation which would necessarily result from increases in the wages of railway employes would more certainly and more immediately have that effect than any other enhanced wage costs.

"Only by keeping the cost of production on its present level, by increasing production, and by rigid economy and saving on the part of the people can we hope for large decreases in the burdensome cost of living which now weighs us down.

"The Director General of Railroads and I have felt that a peculiar responsibility rests upon us, because in determining this question we are not studying the balance sheets of corporations merely; we are in effect determining the burden of taxation which must fall upon the people of the country in general. We are acting, not for private corporations, but in the name of the Government and the public, and must assess our responsibility accordingly."

As Charles S. Caldwell, president of the Corn Exchange National Bank, says:

"Increasing wages and the adding of abnormal profits must stop soon, even though the whole world is tired and is slow about getting back to real work. Contracting for goods to be delivered far in the future at any old price the seller names seems rather foolish when the prices are so high that they are becoming top-heavy.

"Pyramiding is dangerous. This applies to capital and labor alike."

All live men are advertisers, and the only man who should not advertise is the man who has nothing to offer to the world in the way of human service, and such a man is a dead one, whether he knows it or not. Advertising is a legitimate and ethical proposition. Life is too short for you to hide yourself away, mantled in your modesty, and let the world hunt you out. Even the dead are advertisers, for on visiting a beautiful cemetery the other day, I noticed that on nearly every marble slab was given a list of the virtues, talents and beautiful qualities which the dead man was supposed to have carried in stock. This is what you call non-productive advertising, or advertising from an emotional standpoint.—Elbert Hubbard.

Many a man would do a better job if he didn't know about putty.—Ex.



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Residence**, St. Martin's, Philadelphia. Architects, De Armond, Ashmead and Bickley, Franklin Trust Building, Philadelphia. Owner, William C. Hess, Jr., 1817 North Twenty-fourth street, Philadelphia. Stone and rough cast, 2½ stories, 28x58 feet, wing 12x22 feet, slate roof, oak floors, tile and marble work, electric light, hot water heat. Revised plans in progress.

**Residence**, Carpenter Station, Philadelphia, \$15,000. Architect, Frederick Muhlenberg, 901 Flanders Building, Philadelphia. Owner, Clarence Wrigley, Cresheim Arms, 51 Allen's Lane, Philadelphia. Hollow tile and stucco, 2½ stories, stone foundations, slate roof, oak floors, hot water heat, electric light, tile work. Plans in progress.

**Office Building**, 1622 Cherry street, Philadelphia. Architect, Frederick Muhlenberg, 901 Flanders Building, Philadelphia. Owner, H. F. Donnelly and D. O'Connell, Land Title Building, Philadelphia. Brick and cast stone, 2 stories, 18x75 feet, composition roof, maple floors, steam heat, electric light, tile work. Architect taking bids due September 15th. Pringle Borthwick, 8018 Germantown avenue; H. H. Burrell, 206 South Quince street; William H. Eddleman & Sons, 453 Green Lane; Thomas C. Trafford, 1613 Sansom street, Philadelphia, and Duckworth, Harvey & Hartman, Camden, N. J., are figuring.

**Club House**, Pulaski avenue and Coulter street, Germantown, Philadelphia. Architects, Mellor, Meigs & Howe, 201 South Juniper street, Philadelphia. Owners, Wissahickon School Club, care of John T. Emlen, Brown Building. Details undecided. Sketches in progress.

**Ice Plant**, Mascher and Duncannon streets, Philadelphia. Architect, private plans. Owner, American Ice Co., Walter Lee, vice president, Sixth and Arch streets. Brick and concrete, details undecided. Plans in progress.

**Residence (alt. and add.)**, 4655 Locust street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Mrs. C. School, 4655 Locust street, Philadelphia. Brick, 2 stories, 14x12 feet, slag roof, pine floors, hot water heat, combination lighting, tile work. Architect taking bids due September 12th. Walter A. Evitts, 3028 Chancellor street; J. H. Hutt, 5919 Spruce street; J. D. Fisher, 5424 Thompson street; Leroy K. Smith, Forty-first and Chester avenue, and H. E. Sweger, 4435 North Uber street, figuring.

**Apartment House**, 3723-25-27-29 Old York road, Philadelphia. Architect, Frederick T. Uezzell, 717 Walnut street, Philadelphia. Owner, David L. Hemmerly, 1239 West Erie avenue, Philadelphia. Brick and stone, 3 stories, 60x48 feet, slag roof, oak floors, steam heat, electric light, tile work. Plans in progress. Architect will take bids September 11th.

**Garage**, Southeast Corner Ninth and Cayuga

streets, Philadelphia. Architect, Frederick T. Uezzell, 717 Walnut street, Philadelphia. Owner, William Weyant, Jr., Ninth and Cayuga streets, Philadelphia. Brick, 2 stories, 48x100 feet, stone foundations, slag roof, cement floors, steam heat, electric light, rolled steel sash, (1) electric elevator. Owner taking bids due September 18th. Daniel W. O'Dea, 5227 North Fifth street; E. E. Hollenback, Inc., 1804 Brandywine street, and Jacob Y. Loux, 3731 Old York Road, are figuring.

**Lodge Building and Garage**, South Philadelphia. Architect, Frederick T. Uezzell, 717 Walnut street, Philadelphia. Owner, name withheld. Brick, reinforced concrete, 3 stories, 67x120 feet, slag roof, oak floors, steam heat, electric light, tile work, roof ventilators, metal ceilings. Plans in progress.

**Apartment House (alts. and add.)**, 3317-19 North Broad street, Philadelphia. Architect, Frederick T. Uezzell, 717 Walnut street, Philadelphia. Owner, Paul Weitzel, on premises. Brick, steel, terra cotta, cut stone, 3 stories, slag roof, maple and oak floors, stone foundations, tile and marble work (heat and light reserved), iron work, mill work, plumbing, plastering, painting, sheet metal work. Revised plans in progress. Owner will take sub-bids.

**Service Station**, Northeast Boulevard, Philadelphia. Architects, Andrew J. Sauer & Co., Denekla Building, Philadelphia. Owners, Texas Co., Morris Building, Philadelphia. Brick, reinforced concrete and steel, standard construction. Plans in progress.

**Residences (32)**, Sixty-fifth and Lebanon avenue, Philadelphia. Architect, private plans. Owner, John F. McGinty, 6423 Lebanon avenue, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, hot air heat, electric light. Owner taking sub-bids.

**Bank Building**, Girard and Frankford avenues, Philadelphia. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owners, Kensington National Bank, care of Charles Delaney, president, Southwest Corner Girard and Frankford avenues, Philadelphia.

Brick, granite, concrete, 1 story, 50x55 feet, slag roof, steam heat, electric light, tile, marble and terrazzo work, hollow metal skylights, bank fixtures. Plans completed. Architect ready for bids.

**Building**, 506-08 Pine street, Philadelphia. Architect, Edwin L. Rothschild, 1011 Chestnut street, Philadelphia. Owner, Independent Order of Brith Sholom, 512 South Fifth street, Philadelphia. Brick, cut stone, steel, terra cotta, 3 stories, 135x32 feet, stone foundations, slag roof, maple floors, steam heat, electric light, tile and marble work, rolled steel sash, skylights, metal lath, roof ventilators, dampproofing, iron work. Owners taking bids due September 12th. J. M. Yardley, 1716 Sansom street; E. E. Hollenback, Inc., 1804 Brandywine street; Raith Const. Co., 302 West Master street; A. R. Raff Cont. Co., 1635

Thompson street; B. Bornstein, 1512 North Franklin street; Doyle & Co., 1519 Sansom street; B. Saidel, 5749 Walnut street; Pomeroy Const. Co., 1609 Ranstead street, and D. Henwood, 1509 Wood street, are figuring.

**Residence (alt.) to Store and Apartment**, 5220 Walnut street, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, S. Walker, 5220 Walnut street, Philadelphia. Brick, 2 stories, 16x18 feet, tin roof, pine floors, hot air heat, electric light, flush bulks. Owner taking bids. A. Swerdloff, 228 South Fifty-ninth street, Philadelphia, figuring.

**Stores and Apartments (6)**, Southwest Corner Fifty-fourth and Udell streets, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, John Hanf, Greenway and Conestoga streets, Philadelphia. Brick, 3 stories, 16x70 feet each, slag, tin and tile roof, hardwood floors, hot water heat, electric light, tile and marble work, hollow metal skylights, metal lath, metal ceilings, dampproofing. Owner will take sub-bids in ten days.

**Residences (10)**, 4000-20 O street, Philadelphia, \$45,000. Architect, private plans. Owner, Eugene Raymond, 1416 South Penn Square, Philadelphia. Brick, 2 stories, 22x41 feet, stone foundations, shingle roof, oak floors, hot water heat, electric light, tile work. Owner will build.

**Manufacturing Plant (add.)**, Fifth and Master streets, Philadelphia. Engineers, William Steele & Sons, Inc., Sixteenth and Arch streets, Philadelphia. Owner, Drueding Bros., on premises. Brick, steel, reinforced concrete, 8 stories, 90x100 feet, slag roof, cement floors, concrete foundations, steam heat, electric light, rolled steel sash and skylights, fire doors, metal lath, elevators, safety treads, waterproofing, dampproofing, iron work. Engineers will build.

**Residences (48)**, 1611-41 East Lewis street (also 1610-40 Lewis street), Philadelphia, \$192,000. Architect, private plans. Owner, Eugene L. Raymond, 1416 South Penn Square, Philadelphia. Brick, 2 stories, 20x15 feet, 16x15 feet, stone foundations, slag roof, oak floors, hot water heat, electric light, tile work. Owner will build.

**Finishing Machine Shop, Heat Treatment Building and Halfyard Runway (completion)**, Nicetown, Philadelphia. Engineers, Captain F. C. Peters, Constructing Officer, Nicetown, Philadelphia. Owners, Midvale Steel & Ordnance Co., Nicetown, Philadelphia. Corrugated iron, steel, brick, 1 and 1 stories, 74x460 feet and 180x560 feet, Barrett roof, cement floors (heating and electric work reserved), rolled steel sash, iron stairs, iron work, roof ventilators, plumbing, painting and glazing. Low bidders, Barclay White & Co., 1713 Sansom street, \$199,500, 75 days.

**Theatre**, Fifth and Rockland streets, Philadelphia. Architect, W. H. Lee, 32 South Seventeenth street, Philadelphia. Owners, Green



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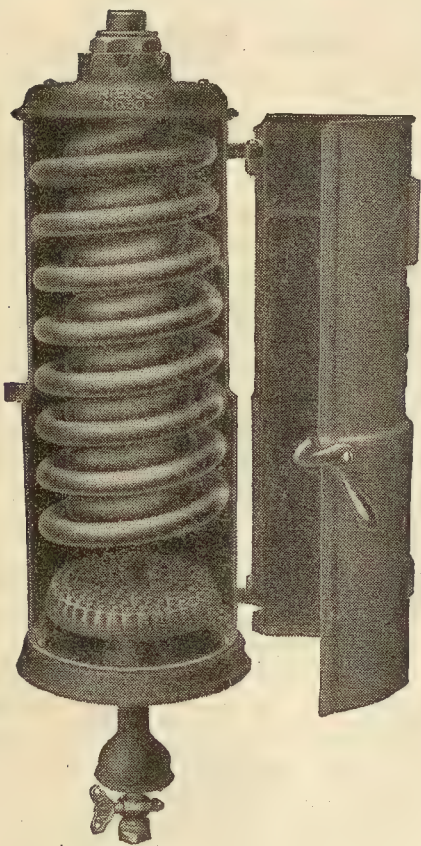


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& Altman, 2132 Germantown avenue, Philadelphia. Brick and concrete, 1 story, 84x122 feet, slag roof, composition and tile floors, steam heat, electric light, tile and marble work, metal lath. Plans in progress.

**Residence**, Cobb's Creek Boulevard and Ellsworth street, Philadelphia, \$30,000. Architect, Karl F. Otto, Foulkrod and Oakland streets, Frankford, Philadelphia. Owner, M. Shapiro, 5947 Pine street, Philadelphia. Stone and brick, 3 stories, 50x53 feet, stone foundations, slate roof, oak floors, hot water heat, electric light, tile work. Plans in progress. Owner will take sub-bids in ten days.

**Residence**, Cobb's Creek Boulevard, South of Ellsworth street, \$20,000. Architect, Karl F. Otto, Foulkrod and Oakland streets, Frankford, Philadelphia. Owners, Kenin, Ober & Shapiro, 5850 Market street, Philadelphia. Stone, 3 stories, 35x28 feet, stone foundations, slate roof, oak floors, hot water heat, electric light, tile work. Owner taking sub-bids.

**Residences (40)**, Ellsworth street and Cobb's Creek Parkway, \$450,000. Architect, Karl F. Otto, Foulkrod and Oakland streets, Frankford, Philadelphia. Owner, William A. France, 1316 Foulkrod street, Philadelphia. Brick and stone, 3 stories, 16 feet 4 inches x 49 feet 8 inches, stone foundations, slate roof, hardwood floors, hot water heat, electric light, tile work. Architect taking sub-bids.

**Residences (2)**, 1310-12 Foulkrod street, Philadelphia, \$10,000. Architect, Karl F. Otto, Foulkrod and Oakland streets, Frankford, Philadelphia. Owner, William R. France, 1316 Foulkrod street, Philadelphia. Brick and stone, 3 stories, 16 feet 4 inches x 49 feet 8 inches, stone foundations, slate roof, hardwood floors, hot water heat, electric light. Architect taking sub-bids.

**Store and Office Building**, 4449-51 Main street, Manayunk, Philadelphia. Architect, Amos W. Barnes, 1507 Arch street, Philadelphia. Owner, Joseph Maurer Estate, 4345 Main street, Manayunk. Brick, 2 stories, 40x55 feet, slag roof, maple floors, stone foundations, steam heat, electric light, tile and marble work, plumbing, hollow metal skylights. Architect taking bids due September 15th. William H. Eddleman & Sons, 453 Green Lane; E. L. Cuthbertson, 334 Roxborough street; Morris C. Swartley, 6835 Ridge avenue; John J. Hurley & Co., 4416 Cresson street, Roxborough, and Hughes-Foulkrod Co., Commonwealth Building, figuring.

**Building (alts.)**, 22 South Eighteenth street, Philadelphia. Architect, H. B. Weldon, Fuller Building, Philadelphia. Owner, J. Cutler Fuller, 10 South Eighteenth street, Philadelphia. Painting, glazing, hardware, mill work, carpentry, plastering, galvanized iron work. Architect taking bids due September 12th. J. D. Fisher, 5424 Thompson street; Smith-Hardican Co., 1606 Cherry street; John Homan, Middle City Building; Wills-Ludwick Co., 1708 Sansom street; Hogg Const. Co., Denckla Building, are figuring.

**Warehouse (alt. and add.)**, Twenty-third and Cherry streets, Philadelphia. Architect, James C. Fernald, 5533 Wyalusing avenue, Philadelphia. Owners, Swenk-Benson Co., Twenty-third and Cherry streets, Philadelphia. Brick, slow burning construction, 2 stories, 71x80 feet, stone foundations, slag roof, pine floors, hollow metal skylights. Owner taking bids due as soon as possible. William A. Patterson, 5333 Vine street, and Mitchell Bros., 2125 Race street, Philadelphia, are figuring.

**Garages (7) and (1) Store**, Berkley and Green streets, Philadelphia. Architect, private plans. Owner, M. Naughton, 221 Berkley street, Germantown, Philadelphia. Brick,

1 story, garages 9x20 feet, store 17x20 feet, stone foundations, slag roof, cement and North Carolina pine floors, metal lath, iron work, painting, hardware, plumbing, plastering. Owner has received bids.

**Residence**, Queen Lane Manor, Philadelphia. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, William G. Ridgway, Ninth and Columbia avenue, Philadelphia. Stone, 2½ stories, 36x37 feet, stone foundations, slate roof, oak floors, hot air heat, electric light, tile work. Architect has received bids.

**Residence**, Overbrook, Philadelphia. Architect, Paul A. Monaghan, 1218 Chestnut street, Philadelphia. Owner, Paul A. Monaghan, 1218 Chestnut street, Philadelphia. Stone and half-timber, 2½ stories, 30x60 feet, slate roof, oak floors, stone foundations, hot water heat, electric light, tile and marble work. Architect is taking sub-bids.

**Residence**, Sedgwick street and Clearfield avenue, Philadelphia. Architect, A. S. Tourison, 7014 Boyer street, Philadelphia. Owner, John Williams, Jr., 6907 Boyer street, Germantown, Philadelphia. Stone, 2½ stories, 45x24 feet, 12x18 feet, 25x17 feet, stone foundations, slate roof, oak floors, hot water heating, electric lighting, tile and marble work. Architect taking bids due September 10th. Stokes Bros., 6723 Musgrave street; William J. Gruhler Co., 219 East High street, Germantown; A. S. Tourison, 7014 Boyer street, Germantown, and W. John Stevens, Wyncote, Pa., are figuring.

**Bank (alt. and add.)**, Broad and Passyunk avenue, Philadelphia. Architect, John W. Hughes, Nineteenth and Passyunk avenue, Philadelphia. Owner, American Bank, Thomas S. Boyle, president, Broad and Passyunk avenue. Brick, cut stone, 1 story, stone foundations, copper roof, composition floors, steam heat, electric light, tile and marble work, painting, glazing, plastering, mill work, etc. Owners taking bids due September 10th. Michael Melody & Son, 1322 Race street; Frank E. Wallace, 1220 Chancellor street; Harry D. Prettyman, 2603 South Broad street, and A. R. Raff Cont. Co., 1635 Thompson street, Philadelphia, are figuring.

**Garage**, Fifty-fifth and Chestnut streets, Philadelphia, \$6,300. Architect, private plans. Owner, M. P. Welsh, 7000 Woodland avenue, Philadelphia. Brick, 1 story, 26x85 feet, 90x80 feet, slag roof, cement floors, steam heat, electric light. Owner will build.

**Stores (3)**, 3617-21 North Broad street, Philadelphia, \$15,000. Architect, private plans. Owner, J. Bodek, 1620 Erie avenue, Philadelphia. Brick, 1 story, 20x80 feet each, slag roof. Owner will build.

**Residences (34), Stores (3)**, Wyoming avenue and Palethorpe street, \$170,500. Architect, private plans. Owner, Shissler & Allen, 2300 South Eleventh street, Philadelphia. Brick, 15x30 feet, slag roof, stone foundations, oak floors, hot water heat, electric light. Owner will build.

**Building (alt.)**, Twenty-first and Market streets, Philadelphia. Architect, private plans. Owner, Foss-Hughes Co., Twenty-first and Market streets, Philadelphia. Mill work, brick work, steel sash, iron work, painting, glazing, hardware, electric work, plumbing. Owners taking bids due as soon as possible. Frank G. Stewart, 1619 Sansom street, is figuring.

**Apartments, Store and Garage**, 3500 Market street, Philadelphia. Engineer, I. W. Levin, 536 Ritner street, Philadelphia. Owner, Joseph Lever, 3725 Somerset street, Philadelphia (No. 2347). Brick and steel, 2 stories, 61x70 feet, and 2 stories, 75x145 feet, slag roof, hardwood, composition and cement



floors, steam and hot water heat, electric light, tile and marble work, rolled steel skylights and sash, rolling steel doors, flush bulks, roof ventilators, metal ceilings, damp-proofing (gasoline storage system reserved). Owner taking bids due September 12th. Raith Const. Co., 302 Master street, figuring.

**Warehouse**, Northwest Corner "D" and Erie avenue, Philadelphia, \$50,000. Architect, M. Ward Easby, 1420 Chestnut street, Philadelphia (engineer). Owner, John Maneely, 309 Arch street, Philadelphia. Brick, steel, 1 story, 195x268x218 feet, slag roof, electric light. Engineer will build.

**Residences (11)**, Roosevelt Boulevard, between Second and Third, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Roth & Foley, 5530 North Fifth street, Philadelphia. Brick, 2 stories, 15½x48 feet, stone foundations, slag roof, parquet floors, hot water heat, electric light, tile work. Plans in progress. Owner will take sub-bids in ten days.

**Bank (alt. and add.)**, Broad and Diamond streets, Philadelphia. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owner, Broad Street Bank, James D. Gillies, Southeast Corner Broad and Diamond. Brick,

marble, terra cotta, 1 story, basement and mezzanine, 38x95½ feet, stone foundation, slag roof, cement and marble floor, steam heat, electric light, tile and marble work, hollow tile, metal lath, rolled steel skylights, bank fixtures, ornamental iron work. Architect taking bids due September 22nd. F. F. Mercer Co., 1706 Delancey street; H. E. Baton, 1713 Sansom street; William R. Dougherty, 1608 Sansom street; Ketcham & McQuade, 1029 Brown street; F. E. Wallace, 1220 Chancellor street; H. E. Grau Co., 1707 Sansom street; A. R. Raff Cont. Co., 1635 Thompson street; H. H. Burrell, 206 South Quince street, and Cramp & Co., Denckla Building, are figuring.

**Residences (22)**, 600-42 Cobb's Creek Boulevard, Philadelphia, \$209,000. Architect, private plans. Owner, Charles Armstrong, 5804 Baltimore avenue, Philadelphia. Brick, 2 stories, slag roof, oak floors, hot water heat, electric light, tile work. Owner will build.

**Garages (23)**, Sixteenth and Lycoming avenue, Philadelphia, \$12,800. Owner, B. W. Huster, 1309 West Russell street, Philadelphia. Brick, 1 story, 10x21 feet, slag roof, cement floors, hot water heat. Owner will build.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Garages (2)**, Kingston street, East Jasper street, Philadelphia, \$4,200. Architect, private plans. Owner, W. Lentz, Tioga West of Kensington avenue, Philadelphia. Brick, 1 story, 28x113 feet, 17½x96 feet, slag roof, hot water heat, electric light, cement floors. Contract awarded to D. Jenks, 2870 Jasper street, Philadelphia.

**Factory (alt.)**, 1724 North Hancock street, Philadelphia. Architect, H. B. Weldon, 10 South Eighteenth street, Philadelphia. Owner, Kelly Hughes & Co., on premises. Brick, steel, 3 stories, 52x54 feet, slag roof, maple floors, stone foundations, rolled steel sash and rolling steel doors (heating and electric lighting reserved). Contract awarded to Smith-Hardican Co., 1606 Sansom street, Philadelphia.

**Store and Dwellings (alt. and add.)**, 2153 Ridge avenue, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, M. Shumkler, on premises. Brick, 3 stories, 15x25 feet, slag roof, hardwood floors, hot water heat, electric light, tile work, metal lath. Contract awarded to J. Bender, 1817 South Fourth street, Philadelphia.

**New Bulk Windows**, 1004-06 Market street, Philadelphia. Architects, Hoffman-Henon Co., Finance Building, Philadelphia. Owner, Burton Clothing Co., on premises. Carpentry, glazing and painting. Contract awarded to Ketcham & McQuade, 1029 Brown street, Philadelphia.

**Workshop**, 2318 West Huntingdon street, Philadelphia, \$2,000. Architect, private plans. Owner, D. Vogeler, 3029 Susquehanna avenue, Philadelphia. Brick, 1 story, 32x36 feet, slag roof. Contract awarded to M. J. Benamy,

3042 West York street, Philadelphia.

**Bank Building (new front), Stores (2) and Offices (8) (alts. and add.)**, Seventh and Morris streets, Philadelphia. Engineers and architects, Golove & Lewis, Real Estate Trust Building, Philadelphia. Owners, Board of Directors, The Public Bank, on premises. Brick, steel and terra cotta, 2 stories, mezzanine floor, electric lighting, tile and marble work, metal lath, steam heating, bank fixtures, carpentry, vault, mill work, plumbing, plastering. Contract awarded to Mackle-McClelland Const. Co., Drexel Building.

**Factory (add.)**, Eighteenth and Glenwood avenue, \$150,000. Architect, private plans. Owners, Hale & Kilburn Mfg. Co., Eighteenth and Glenwood avenue, Philadelphia. Brick, mill construction, fifth story add., 45,000 square feet, slag roof, wood floors, steam heat, electric light, roof ventilators, iron work. Contract awarded to H. E. Baton, 1713 Sansom street, Philadelphia.

**Residence**, 520 Gates street, Philadelphia, \$9,000. Architect, private plans. Owner, William Holliday, 364 Roxborough avenue, Philadelphia. Brick, 26x35 feet, 16x9 feet, stone foundations, slag roof, oak floors, hot water heat, electric light, tile work. Contract awarded to Morris C. Swartley, 6835 Ridge avenue, Philadelphia.

**Garage**, Richmond and Wensley streets, Philadelphia, \$25,000. Architect, private plans. Owner, Joseph Witkowski, Southeast Corner Salmon and Allegheny avenue, Philadelphia. Brick, 1 story, 70x150 feet, stone foundations, slag roof, cement floors, steam heat, electric light, roof ventilators, gasoline storage. Con-

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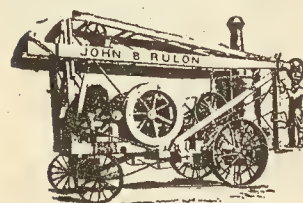
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tract awarded to Edward F. Judge, 3003 Richmond street, Philadelphia.

**Store and Stable**, 1608-16 North Twenty-first street, Philadelphia, \$8,000. Architect, private plans. Owners, St. Vincent de Paul Society, 26 South Fifteenth street, Philadelphia. Brick, second story add., 45x52 feet and 17x48 feet, slag roof, yellow pine floors. Contract awarded to William R. Dougherty, 1610 Sansom street, Philadelphia.

**Shop**, Richmond and Westmoreland streets, Philadelphia, \$6,000. Architect, private plans. Owner, Kensington Copper Works, 1243 Berks street, Philadelphia. Brick, slag roof, electric light, steam heat. Contract awarded to Harry Drake, 3139 Frankford avenue, Philadelphia.

**Factory (add.)**, Northeast Corner Eighth and Thompson streets, Philadelphia, \$2,500. Architect, private plans. Owner, Thomas Mills & Bro., on premises. Reinforced concrete, second story add., 21x24 feet, slag roof. Contract awarded to Turner Const. Co., 1713 Sansom street, Philadelphia.

**Garage**, 2251 North Watts street, Philadelphia, \$4,200. Architect, private plans. Owner, Albert S. Mischell, 2251 North Broad street, Philadelphia. Brick, 1 story, 18x15 feet, slag roof, cement floors. Contract awarded to C. Morris Swartley, 6835 Ridge avenue, Philadelphia.

**Store**, Tabor road and Lawrence street, Philadelphia, \$4,000. Architect, private plans. Owner, John Kerlin, on premises. Brick, 1 story, 25x33 feet, slag roof, composition floors, electric light, tile work (heating and plumbing reserved). Contract awarded to H. P. Schneider, 3715 Old York road, Philadelphia.

**Storage Sheds (2)**, York road and Butler street, Philadelphia, \$12,000. Architect, private plans. Owner, Charles F. Felin & Co., on premises. Frame, 1 story, 62x80 feet, elec-

tric light. Contract awarded to William J. Morrison, 3230 Howell street, Philadelphia.

**Residence**, Overbrook avenue, West of Sixty-third street, Philadelphia, \$15,000. Architect, private plans. Owner, Mrs. E. N. Mitchell, Bryn Mawr, Pa. Brick, 3 stories, 36x31 feet, 26x17 feet, slate roof, stone foundations, oak floors, hot water heat, electric light, tile work. Contract awarded to Bowden Const. Co. 1713 Sansom street, Philadelphia.

**Building (fire repairs)**, 117 Market street, Philadelphia, \$3,000. Architect, private plans. Owner, Mastbaum Fleisher Co., Finance Building, Philadelphia. Plastering, mill work, lumber, etc. Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

**Boat and General Storage Building**, Navy Yard, Philadelphia, Spec. 4012. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Washington, D. C. Hollow tile and steel, 502x267 feet, built-up roof and slag roof, concrete floors, wood pile foundations, hot water heat, electric light, rolled steel sash, iron work, hollow tile, roof ventilators, waterproofing. Contract awarded to Hughes-Foukrod Co., Commonwealth Building.

**Residence (alt. and add.)**, 1963 Spruce street, Philadelphia. Architect, Edwin H. Fetterolf, 1524 Chestnut street, Philadelphia. Owner, Edmund B. Piper, M. D., 1936 Spruce street, Philadelphia. Brick, 2 stories, cut

stone, plastering, carpentry, mill work, hot water heat, rolled steel skylights, plumbing, plastering. Contract awarded to H. H. Burrell, 206 South Quince street, Philadelphia.

**Store Building (alts. and add.)**, Fifteenth and South Penn Square, Philadelphia, \$10,000. Architect, Hoffman-Henon, Inc., Finance Building, Philadelphia. Owner, C. Coleman, Commercial Trust Building, Lessee, W. A. Schultz. Brick, 2 stories, tile floors, steam heat, electric light, flush bulks. Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

**Storage Building**, Nineteenth and Willard streets, Philadelphia, \$14,000. Architect, William Steele & Sons Co., 1600 Arch street, Philadelphia. Owner, Electric Storage Battery Co., Nineteenth and Allegheny avenue. Brick, concrete, 1 story, 32x97 feet, slag roof, cement floors, electric light. Contract awarded to William Steele & Sons Co., 1600 Arch street.

**Residence**, Oak Road near Midvale avenue, Germantown, Philadelphia. Architects, DeArmond, Ashmead & Bickley, Franklin Trust Building, Philadelphia. Owner, Albert Freeman, 1519 Chestnut street, Philadelphia. Stone, 2½ stories, 41x41 feet, stone foundations, shingle roof, oak floors, hot air heat, electric light, tile work. Contract awarded to R. M. Peterson & Son, 5114 Germantown avenue, who are taking sub-bids.

## PENNSYLVANIA

## Construction News

**National Bank**, Strausstown, Pa. Architect, Calvin Young, Sixth and Court streets,

Reading, Pa. Owner, Dr. Charles A. Herhino, Strausstown, Pa. Stone, 1 story, 24x48 feet,

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stone foundations, slag roof, maple and cement floors, electric light, hot water heat, hollow metal skylights, metal window guards, bank fixtures. Owners are building.

**Garage**, Mt. Penn, Reading, Pa. Architect, Calvin Young, 520 Washington street, Reading, Pa. Owner, Sweitzer Bros., Mt. Penn, Reading, Pa. Stucco, 1 story, 16x20 feet, concrete foundations, slate roof, concrete floors, electric lighting, Bishopric lath. Owner is building.

**House (alt.) to Apartment and Stores**, Market street, York, Pa. Architect, J. B. Hamme, City Bank Building, York, Pa. Owner, York Auto Supply Co., Market street, York, Pa. Brick, 3 stories, plate glass, granite, stone foundations, steel beams, cement and brick and electric work. Plans in progress.

**Manufacturing Building**, North Prime street, Lancaster, Pa. Architect, E. C. Urban, Woolworth Building, Lancaster, Pa. Owner, Charles F. Stauffer, North Prime street, Lancaster, Pa. Mill construction, 1 story, 60x80 feet, concrete foundations, slag roof, cement floors, electric light, rolled steel skylights, roof ventilators. Plans in progress.

**Factory**, Lancaster, Pa. Architect, H. Y. Shaub, Imperial Building, Lancaster, Pa. Owner, B. L. Fraim Lock Co., Lancaster, Pa. Concrete and brick, 1 story, 42½x82 feet, stone foundations, slag roof, cement floors, electric light, rolled steel sash. Plans in progress. Architect will take bids in one week.

**Dwelling**, York, Pa. Architect, J. B. Hamme, City Bank Building, York, Pa. Owner, J. C. Motter, York, Pa. Frame and stucco, 2 stories, 26x36 feet, concrete foundations, asbestos shingle, vapor heat, electric light, hardwood floors, tile work. Plans in progress. Owner will take sub-bids.

**Laundry**, St. Joseph's Hospital, Lancaster, Pa. Architect, E. C. Urban, Woolworth Building, Lancaster, Pa. Owner, St. Joseph's Hospital, Lancaster, Pa. Brick, 1 story, 39x78 feet, slate and slag roof, cement floors, electric light, laundry equipment. Architect has received bids.

**Residence**, Lititz, Pa. Architect, H. Y. Shank, Imperial Building, Lancaster, Pa. Owner, Mr. Schaeffer, Lititz, Pa. Cement blocks, 2 stories, 30x36 feet, concrete foundations, slate roof, pine floors, electric light, tile work. Owner will build.

**House**, Lititz, Pa. Architect, H. Y. Shaub, Imperial Building, Lancaster, Pa. Owner, William W. Reigel, Lititz, Pa. Brick, 2 stories, 30½x36½ feet, stone foundations, slate roof, pine floors, electric light, tile work. Owner is building.

**Manufacturing Building and Shed**, Ardmore, Pa. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owner, Auto Car Co., Ardmore, Pa. Brick, reinforced concrete and corrugated iron. Details undecided. Architect will take sub-bids.

**Church, Sunday School and Gymnasium**, Lancaster, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owners, St. Peter's Reformed Church, care of Rev. R. Pilgram, Lancaster. Brick, 1 and 3 stories and basement, 138x56 feet, concrete foundations, slag roof, maple floors, bi-loop heating, electric lighting. Preliminary plans in progress.

**Church (alt.) and Sunday School**, Bethlehem, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Salem Lutheran Church, Rev. A. J. Fritch, Bethlehem, Pa. Brick, 2 stories and basement, 64x96 feet, slag roof, concrete foundations, maple floors, vapor heat, electric light, terrazzo work. Preliminary plans in progress.

**Church (alts.)**, Boyertown, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, St. John's Lutheran Church, Rev. Adam Weber, on premises. Interior alterations to auditorium and choir. Plans in progress.

**Community House**, Fifteenth and Walnut streets, Allentown, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, St. James' Reformed Church, Rev. Joseph Peters, Allentown, Pa. Brick and stone, 2 stories and basement, 40x87 feet, concrete foundations, slate roof, hardwood floors, vapor heat, electric light, terrazzo work. Preliminary plans in progress.

**Apartment House**, Thorne and Oley streets, Reading, Pa. Architect, Calvin Young, 520 Washington street, Reading, Pa. Owner, Dr. Taylor, on premises. Brick and stone, 3 stories, 40x125 feet, concrete foundations, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

**Dye House**, Fifth and Buttonwood streets, Reading, Pa. Architect, Calvin Young, 520 Washington street, Reading, Pa. Owner, Model Dyeing & Cleaning Co., Fifth and Buttonwood streets, Reading, Pa. Brick, 1 story, 30x95 feet, concrete foundations, slag roof, cement floors, hot water heat, electric light, hollow metal sash, hollow metal skylights, dampproofing. Plans in progress. Architect will take bids in one week.

**Residence**, Penn Side, Reading, Pa. Architect, Calvin Young, 520 Washington street, Reading, Pa. Owner, J. B. Schaeffer, Penn Side, Reading, Pa. Brick, 2½ stories, 40x28 feet, stone and concrete foundations, slate roof, hardwood floors, hot water heat, electric light, tile work. Owner will take sub-bids.

**Garage**, North Fifth street, Reading, Pa., \$60,000. Architect, A. F. Smith, 1029 Penn

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street, Reading, Pa. Owner, Hudson Auto Co., care of Mr. Herdt, president, Washington street, Reading. Brick, fireproof, terra cotta, 3 stories, 61x130 feet, stone foundations, slag roof, cement floors, electric light, tile, marble and terrazzo work, hollow metal skylights, structural steel work, gasoline storage. Architect taking general and sub-bids.

**Garage**, Springmont, Reading, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, J. H. Barr, Springmont, Reading, Pa. Brick, 1 story, 21x22 feet, concrete foundations, slate roof, cement floor, hot water heat, electric light. Owner will take general bids.

**Moving Picture Theatre** (alt. and add.), Lebanon, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, George Spang, Lebanon, Pa. Brick, 250 more chairs, pine floors, decorating interior. Owner taking bids on revised plans.

**Masonic Hall**, Phoenixville, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, W. E. Bushong, Esq., Phoenixville, Pa. Cement, stucco, 3 metal store fronts, mill work, plate glass, tile work, fire escapes. Owner has received bids.

**Administration Building**, Moore, Pa. Architect, Stuckert & Co., Crozer Building, Philadelphia. Owner, Drain Steel Co., 717 Perry Building, Philadelphia. Hollow tile, stucco, 1 story and basement, 38x57 feet, concrete foundations, asbestos shingle or slate roof, wood and cement floors, steam heat, electric light, tile work, metal lath, roof ventilators, fireproof doors. Architect ready for sub-bids.

**Residence**, Penfield, Pa. Architect, H. B. Weldon, 10 South Eighteenth street, Philadelphia. Owner, John A. Macaloman, Penfield, Pa. Hollow tile, 1½ stories, 40x46 feet, stone foundations, shingle roof, hardwood floors, electric light, tile work. Plans in progress.

**Post Office**, Lock Haven, Pa. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owner, United States Treasury Department, Washington, D. C. Brick and stone, stone foundations, composition roof, steam heat, electric light. Owners ready for bids due October 10th.

**Residence**, Gettysburg, Pa., \$25,000. Architect, Frederick Muhlenberg, 901 Flanders Building, Philadelphia. Owner, Dr. J. McCrea Dickson, Gettysburg, Pa. Stone, 2½ stories, stone foundations, slate roof, oak floors, hot water heat, electric light, tile work. Plans in progress.

**Residences** (4), St. Davids, Pa. Architect, A. H. Moses, 136 South Fourth street, Philadelphia. Owner, A. Hartman, care of architect. Frame and stucco, 2 stories, 26x36 feet, stone foundations, asphalt shingle roof, oak and yellow pine floors, hot water heat, electric light. Plans in progress.

**Bank** (alt. and add.), Norristown, Pa. Architect, Edward T. Boggs, 136 South Fourth street, Philadelphia. Owner, Norristown Trust Company, Norristown, Pa. Brick, 3 stories, 16x44 feet, slag roof, steam heat, electric light, metal lath, fire escapes. Plans in progress. Owner will award contract on percentage basis.

**Residences** (9), Norristown, Pa. Architect, Harry Gordon McMurtrie, 1012 Walnut street, Philadelphia. Owner, Norris Pattern & Machine Co., Powell and Brown streets, Norristown, Pa. Brick, 2 stories, 15x49 feet, stone foundations, slate roof, pine floors, steam heat, electric light. Owner ready for sub-bids.

**Bungalow**, Narberth, Pa. Architects, Wallace & Warner, 1012 Walnut street, Philadelphia. Owner, Robert L. Beatty, Narberth, Pa. Stone, 1½ stories, 50x38 feet, stone foundations, shingle roof, oak floors, hot water heat, electric light, tile work. Plans in progress. Architect will sub-let.

**Residence**, Lansdowne, Pa. Architects, Wallace & Warner, 1012 Walnut street, Philadelphia. Owner, W. W. Roberts, Lansdowne, Pa. Stone, 2½ stories, 38x26 feet, stone foundations, shingle roof, oak floors, hot water heat, electric light, tile work. Plans in progress.

**Residence**, Merion, Pa. Architects, Wallace & Warner, 1012 Walnut street, Philadelphia. Owner, Dr. H. A. Nolte, Merion, Pa. Brick, 2½ stories, 41x26 feet, stone foundations, shingle roof, oak floors, hot water heat, electric light, tile work. Architects will take sub-bids in 10 days.

**Residences** (6), Narberth, Pa. Architects, Wallace & Warner, 1012 Walnut street, Philadelphia. Owner, F. M. Justice, Narberth, Pa. Brick, stone, hollow tile, 2½ stories, various sizes, stone foundations, slate and shingle roof, oak floors, hot water heat, electric light, tile work. Architect taking sub-bids.

**School No. 3**, South Side, Bethlehem, Pa. Architect, Verus T. Ritter, North American Building, Philadelphia. Owner, Board of Education, Bethlehem, Pa. Owners taking bids due September 16th. F. W. Childs, Bethlehem, Pa.; Kehoe & Mowery Co., Wilkes-Barre, Pa.; Robert S. Rathbun, Bethlehem, Pa., and Ochs Const. Co., Allentown, Pa., additional bidders.

**High School** (add.), Ardmore, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owners, Lower Merion Township School Board, Ardmore, Pa. Brick, 1 story, 24x16 feet, stone foundations, slag roof, concrete floors, steam heat, electric light, safety treads, skylights, plumbing, painting, glazing, carpentry. Architects have received bids.

**Road Work**, various locations, Pennsylvania. Owners, State of Pennsylvania, care of Lewis S. Sadler, State Highway Commissioner, Harrisburg, Pa. Low bidders as follows:—

Adams County, Butler Township, Route 41, length 23,246 feet. One course reinforced concrete and Hillside vitrified brick. George Meringer, Bethlehem, Pa., \$179,155.82.

Adams County, Gettysburg Borough, Routes 43-126, length 7,857 feet. Either bituminous surface course on a concrete foundation and Hillside vitrified brick or one course reinforced concrete. William P. McDonald Const. Co., Philadelphia, \$109,769.40.

Butler County, Slippery Rock Township, Route 73, length 16,579 feet. Reinforced concrete pavement. Norman J. Boyer, Butler, Pa., \$134,699.50.

Centre County, Rush Township, Route 57, length 12,355 feet. Either bituminous surface course on a concrete foundation or one course reinforced concrete. Warren Bros. Co., Boston, Mass., \$121,795.56.

Chester County, East and West Marlborough Townships, Appli. 136,439, length 10,509 feet. Bituminous surface course (penetration method) on a Telford foundation. E. M. Humphrey, Hackensack, N. J., \$67,362.80.

Chester County, Franklin and New London Townships, Appli. 557-558, length 21,619 feet. Bituminous surface course (penetration method) on a Telford foundation. Clifford Engr. Co., Farmingdale, N. J., \$203,832.22.

Clarion County, Clarion Township, Route

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64, length 10,507 feet. Reinforced concrete pavement. L. H. Hileman Const. Co., New Kensington, Pa., \$164,833.30.

Crawford County, Vernon Township, Route 82, length 18,619 feet. Either one course reinforced concrete and Hillside vitrified brick or two course reinforced concrete and Hillside vitrified brick. J. H. DeCarpentier & Sons, Youngstown, Ohio, \$212,198.39.

Erie County, Girard Township and Platea Borough, Route 295, length 21,300 feet. One course reinforced concrete. Henry Shenk Co., Erie, Pa., \$183,779.65.

Erie County, Mill Creek Township, Auth. 398, length 10,600 feet. One course reinforced concrete. Henry Shenk Co., Erie, Pa., \$93,560.75.

Erie County, Northeast Township, Route 304, length 7,900 feet. Either bituminous surface course and Hillside vitrified brick on a concrete foundation, or one course concrete and Hillside vitrified brick. Peter F. Connolly, Koppel, Pa., \$72,611.14.

Indiana County, Blairsville Borough, Appli. 694, length 3,812 feet. One course reinforced concrete. M. Bennett & Sons, Indiana, Pa., \$54,138.80.

McKean County, Bradford Township and Lewis Run Borough, Route 97, length 31,268 feet. Either one course reinforced concrete or bituminous brick. Adams Evans & Co., New York, N. Y., \$277,329.45.

Mifflin County, Armagh Township, Route 29, length 24,049 feet. Either bituminous surface course on a concrete foundation and Hillside vitrified brick or one course reinforced concrete. Bennett & Randall, Lebanon, Pa., \$252,711.20.

Northampton and Carbon Counties, Lehigh and Lower Towamensing Townships, Bowmanstown Borough, Route 163, length 16,129 feet. One course reinforced concrete. John F. Shanley, Jr., Philadelphia, \$197,589.67.

Potter County, Roulette Township, Route 101, length 7,915 feet. Either bituminous surface course on a concrete foundation or one course reinforced concrete. Coles-Englehart Co., Ebensburg, Pa., \$84,356.05.

Potter County, Roulette Township, Route 101, length 5,020 feet. Either bituminous surface course on a concrete foundation or one course reinforced concrete. Horn & Devling, Galetton, Pa., \$47,521.58.

Snyder County, Union and Chapman Townships, Route 229, length 32,320 feet. Either bituminous surface course on a concrete foundation or one course reinforced concrete. Arthur McMullen, Philadelphia, \$316,291.85.

Susquehanna County, Forest City Borough, Appli. 1016-1017, length 6,191 feet. One course reinforced concrete and vitrified brick. The Holt Lumber Co., Carbondale, Pa., \$59,462.25.

Tioga County, Lawrence Township and Lawrenceville Borough, Route 22, length 24,113 feet. Either bituminous surface course on a concrete foundation or one course reinforced concrete. Adams Evans & Co., New York, N. Y., \$191,286.91.

Warren County, Sheffield Township, Route 253, length 7,936 feet. One course reinforced concrete. Riddelsperger & Savage, Warren, Pa., \$60,689.90.

Bank (alt. and add.), Glenside, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Glenside National Bank, Glenside, Pa. Stone and Indiana limestone, 2 stories, 23x23 feet, slag roof, steam heat, electric light, tile work. Plans completed. Architect ready for bids.

Garage, St. David's, Penna. Architect, private plans.

Owner, Charles C. Lister, St. David's, Penna. Stone, 1 story, 21x31 feet, stone foundations, slate roof, cement floors, electric light. Owner taking bids due as soon as possible. John N. Gill & Co., Otis Building, Philadelphia, figuring.

Residence, Llanerch, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, N. Gilberti, 1111 Walnut street, Philadelphia. Stone, 2½ stories, 28½x33 feet, wing 17 feet 8 inches x11 feet, stone foundations, slate roof, oak floors, vapor heat, electric light, tile work. Owner ready for sub-bids.

Garage, 624 North street, Harrisburg, Pa. Architect, C. J. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, care of M. A. Baily, 624 North street, Harrisburg, Pa. (Eureka Coal Co.). Brick and steel, 1 story, 60x70 feet, composition roof, concrete floors, electric lighting. Plans in progress. Architect will take bids this week.

Synagogue, Front and Seneca streets, Harrisburg, Pa., \$50,000. Architect, F. G. Fahnestock, Harrisburg, Pa. (Patriot Building). Owner, Oher Sholom Cong., Harrisburg, Pa. Stone, 2 stories, 50x80 feet, tile roof, tile and wood floors, vapor heating, electric lighting, tile, marble and terrazzo work, hollow metal skylights. Architect will take bids this week.

## Pennsylvania Contracts Awarded

Residence (alt. and add.), Elkins Park, Pa. Architects, Andrew J. Sauer & Co., Denckla Building, Philadelphia. Owner, Jacob L. Langsdorf, 315 North Seventh street, Philadelphia. Brick, 2½ stories, 40x21 feet, 18x30 feet, stone foundations, oak floors, vapor heating, electric lighting, tile work. Contract awarded to J. Sims Wilson, 1125 Brown street, Philadelphia.

Dye House (3 sections), Past street, Reading, Pa. Architect, G. L. Gerhard, 619 Penn street, Reading, Pa. Owner, Reading Dyeing Co., Burns street, Reading, Pa. Brick, 1 story, 100x150 feet, concrete foundations, slag roof, concrete floors. Contract awarded to H. J. Randenbush, Reading, Pa.

Garage, Budsboro, Pa. Architect, R. A. Stair, Guardian Trust Building, York, Pa.

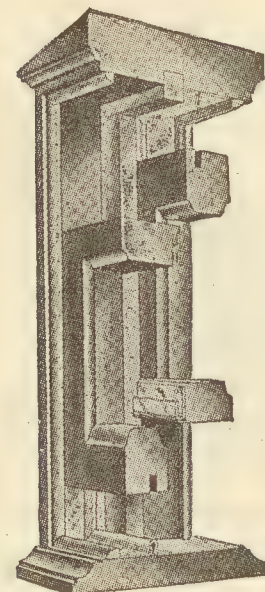
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TELEPHONE—WALNUT 356

Owner, H. M. Willits, Budsboro, Pa. Brick, 1 story, 24x30 feet, concrete foundations, slate roof, cement floors, heating extension, electric light. Contract awarded to L. H. Focht & Son, York, Pa.

Houses (3), North Duke street, Lancaster, Pa., \$45,000. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, Lancaster Real Estate Co., North Duke street, Lancaster, Pa. Stucco, 2½ stories, 24x40 feet, slate roof, oak floors, vapor heat, electric light, gas heater, tile work, vacuum cleaners. Contract awarded to S. H. Bally, Lancaster, Pa.

Houses (5), West End avenue and Lemon street, Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, U. G. Barr, Lancaster, Pa. Brick, 2½ stories, 24x38 feet, slate roof, oak floors, hot water heat, electric light, tile work. Contract awarded to F. F. Brenner, Lancaster, Pa.

Residence, West End avenue and Walnut street, Lancaster, Pa., \$25,000. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, H. L. McClure, Lancaster, Pa. Brick, 2½ stories, 50x32 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Contract awarded to H. Wollsen, Woolworth Building, Lancaster, Pa.

Houses (14), Ross street, Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, Home Builders'

Association, care of Mr. W. Posey, Lancaster, Pa. Brick, 2 stories, 20x38 feet, slate roof, pine floors, hot air heat, electric light. Contract awarded to Ray Clark, Lancaster, Pa.

Machine Shop, Carbondale, Pa., \$60,000. Architect, private plans. Owners, Carbondale Machine Co., Carbondale, Pa. Brick and steel, 1 story, 80x220 feet, stone foundations, slag roof, cement floors electric lighting, rolled steel sash, iron work. Contract awarded to Hughes-Foulkrod Co., Commonwealth Building.

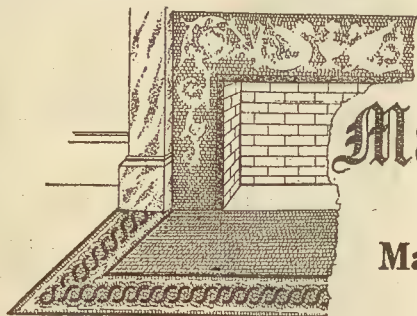
Residence, Springfield, Pa., \$13,000. Architect, Robert Tappan, Southbridge, Mass. Owner, Ralph R. Matthews, Glenside, Pa. Frame, 2½ stories, 45x35 feet, slate roof, oak floors, hot water heating, electric lighting, tile work. Contract awarded to Stokes Bros., 6723 Musgrave street, Philadelphia.

Factories (2), Turbotville and Mifflinsburg, Pa. Architect, W. H. Lee, 32 South Seventeenth street, Philadelphia. Owners, A. P. Villa & Bros. Co., Inc., New York City. Brick, 1 story, 50x175 feet and 50x151 feet, built-up roof, wood floors, reinforced concrete work, roof ventilators, heating and light extension. Contract for Turbotville awarded to J. O. Fetter, Sunbury, Pa. Contract for Mifflinsburg awarded to J. H. Moore & Co., Milton, Pa.

Store Building, Ambler, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, W. A. Clarke, Ambler, Pa. Brick, 2 stories, 22½x58 feet, stone foundations, slag roof, hardwood floors, pipeless heater, electric lighting. Contract awarded to Leonard H. Davis, Ambler, Pa.

Department Store (alts.), Market street, Harrisburg, Pa. Architect, H. G. Fahnestock, Patriot Building, Harrisburg, Pa. Owner, John Soutter, Market street, Harrisburg, Pa. General interior alterations. Contract awarded to W. E. Bushey, Lemoyne, Pa.

Auto Show Room and Sales Room, Harrisburg, Pa. Architect, Philip S. Tyre, 1509 Arch street, Philadelphia. Owner, Packard Motor Car Co., 319 North Broad street, Philadelphia. Details undecided. Contract awarded to Central Const. Co., Harrisburg, Pa.



Both Phones

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## New Jersey Construction News

School, Haddon Heights, N. J. Architects, Berry & Cumiskey, 1237 Real Estate Trust Building, Philadelphia. Owners, St. Rose's Roman Catholic Church, Rev. A. Quinlan, on premises. Details undecided. Sketches in progress.

Residence and Garage, Merchantville, N. J. Architect, A. H. Moses, 136 South Fourth street, Philadelphia. Owner, H. W. Bottomley, Merchantville, N. J. Hollow tile, stucco, 2½ stories, 30x48 feet, garage 18x22 feet, concrete foundations, shingle roof, oak floors, hot water heat, electric light, tile and marble work. Architect taking bids due September 14th. L. T. West, and Baldwin Const. Co., Camden, N. J.; George W. Shaner, Palmyra, N. J., and William Conger, Haddon Heights, N. J., are figuring.

House, Morris Heights, N. J. Architects, William Slack & Sons, St. Regis Theatre Building, Trenton, N. J. Owner, Elwood Owens, Morris Heights, N. J. Hollow tile and stucco, 2 stories, 24x45 feet, concrete foundations, asbestos shingle roof, yellow pine floors, hot water heat, electric light, tile work.

Building Lime—Buy pure lime, no core, no grit—Chemical Lime. **DAVID FRANCE CO.**, Tasker Street Wharf, Delaware River, Phila. Both 'phones.



Owner is taking general bids.

**Bank (alts. and add.),** Haddonfield, N. J. Architects, William W. Slack & Son, Trenton, N. J. Owner, Haddonfield National Bank, Haddonfield, N. J. Brick, steel and stucco, 2 stories, 33x38 feet, slate roof, tile and oak floors, metal lath, stone foundations, tile work, iron work (heating, electric work and marble work reserved). Architects have received bids.

**Dwelling,** Parkside avenue, Trenton, N. J. Architect, private plans. Owner, Frank D. Holmes, 248 Hamilton avenue, Trenton, N. J. Stucco and frame, 2½ stories, 34x24 feet, stone foundations, slate roof, hardwood floors, electric lighting. Owner will build.

**House,** Lawrence road, Lawrence Township, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owner, Mr. C. Christian, care of architect. Hollow tile and stucco, 2½ stories, 29x48 feet, stone foundations, green Spanish tile roof, hardwood floors, hot water heat, electric light, tile work. Architects have received bids.

**Residence,** Ventnor, N. J. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owner, W. J. Montgomery, Ventnor, N. J. Shingle, 2 stories, 52x60 feet, shingle roof, oak floors, vapor heat, electric light, tile work. Plans completed. Architect ready for bids.

**Dirigible Hangar,** Spec. 4001, Lakehurst, N. J. Architect, private plans. Owner, United States Government, Bureau of Yards and Docks, Washington, D. C. Steel and asbestos, corrugated siding, 2 stories, 354x804 feet, built-up gypsum roof, concrete and wood block floors, hollow tile, metal lath, elevators, roof ventilators, concrete foundations, steam heat, electric light, rolled steel sash, skylights and doors, metal stairs, iron work, painting, plastering, glazing, plumbing, kitchen equipment. Low bidder: Irwin & Leighton, 126 North Twelfth street, Philadelphia, Item No. 1, \$2,433,000; Item No. 2, \$1,283,000. Low bidder on Item No. 3: Bethlehem Steel Bridge Co., Bethlehem, Pa., \$1,032,000.

## New Jersey Contracts Awarded

**Dwellings (6),** Cook avenue, Trenton, N. J., \$21,000. Architect, private plans. Owner, Greenwood Realty Co., Forst Richey Building, Trenton, N. J. Brick, 2½ stories, 28x44 feet, stone foundations, slate and tin roof, pine floors, electric light. Contract awarded to James Birks, 224 Anderson avenue, Trenton, N. J.

**Office Building (alt.),** 145 East Hanover street, Trenton, N. J., \$8,000. Architect, J. O. Hunt, 114 North Montgomery street, Trenton, N. J. Owner, W. H. Dickinson, 841 Edgewood avenue, Trenton, N. J. Brick, 1 story, 75x22 feet, concrete foundations, slag roof, hardwood floors, electric lighting. Contract awarded to C. Y. Barlow, 114 North Montgomery street, Trenton, N. J.

**Dwelling,** Greenwood avenue, Trenton, N. J., \$10,000. Architect, private plans. Owner, Leo Salamandra, Chestnut and Cummings avenues, Trenton, N. J. Brick, 2½ stories, 40x30 feet, concrete foundations, slate roof, hardwood floors, electric light, tile work. Contract awarded to Frank Russo, Trenton, N. J.

**Garage,** Olden and New York avenues, Trenton, N. J., \$45,000. Architect, private plans. Owner, Standard Oil Co., New York avenue, Trenton, N. J. Hollow tile and concrete, 2

stories, 145x75 feet, concrete foundations, concrete roof, cement floors, steam heat, electric light. Contract awarded to White Const. Co., Trenton, N. J.

**Store and Warehouse,** North Willow street, Trenton, N. J. Architect, J. O. Hunt, 114 North Montgomery street, Trenton, N. J. Owners, Gedpart & Pagels, Hildebracht Building, Trenton, N. J. Wood and steel, 2 stories, 125x40 feet, stone foundations, slag roof, concrete floors, electric light, elevators. Contract awarded to Fred Parket, Trenton, N. J.

**Garage (alt.),** Bellevue avenue, Trenton, N. J. Architect, William Klemann, First National Bank Building, Trenton, N. J. Owner, Owen Moon, Trenton, N. J. Brick, 1 story, 41x26 feet, concrete foundations, slag roof, cement floors. Contract awarded to Stewart Willey Co., Wilmington, Del.

**Times Building (alt.),** Stockton street, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owner, Trenton Evening Times, on premises. Rest rooms and plumbing. Contract awarded to Stewart Willey Co., Wilmington, Del.

**House,** Morris Heights, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owner, Percy Moon, Morris Heights, N. J. Frame, 2 stories, 28x39 feet, slate roof, pine floors, electric light. Contract awarded to F. W. Ewald, Morrisville, N. J.

**Parish House,** Bayonne, N. J., \$150,000. Architect, R. A. Schuman, 932 Lambertson street, Trenton, N. J. Owner, St. John the Baptist Roman Catholic Cong., care of Rev. Buick, on premises. Brick, 2½ stories, 50x38 feet, slate roof, steam heat, electric light. Contract awarded to Walter Manerg, 21 Market street, Perth Amboy, N. J.

**Store House,** Trenton, N. J. Architect, J. O. Hunt, 114 North Montgomery street, Trenton, N. J. Owner, Keystone Wood Co., Trenton, N. J. Brick and frame, 1 story, 30x100 feet, stone foundations, slag roof, concrete floors. Contract awarded to James J. Morris, Trenton, N. J.

**Factory (extension),** Camden, N. J. Architects, Stearns & Woodnut, Stephen Girard Building, Philadelphia. Owners, Warren-Webster Co., Camden, N. J. Brick, terra cotta, concrete, 2 stories, 56x136 feet, slag roof, maple floors (plumbing, heating and electric lighting reserved), stone foundations, rolled steel sash, fire doors, iron work, roof ventilators. Contract awarded to J. Sims Wilson Co., 1125 Brown street, Philadelphia.

## Delaware Construction News

**Storage House,** Fourth and Pine streets, Wilmington, Del. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Charles Bird, on premises. Brick, mill con-

## Safety Guards

## Wire Window Guards

## Partition Enclosures

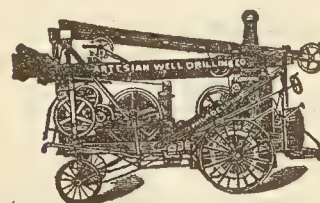


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Real Estate Trust Building, Philadelphia



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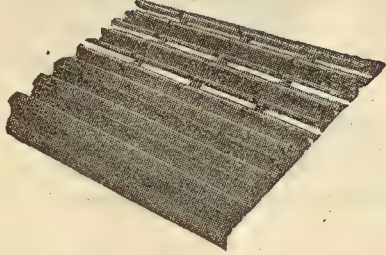
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Can be installed on Concrete,  
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Manufacturer and Contractor  
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Pennsylvania Building, Phila.

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C. W. MacDOWELL, Mgr.  
Philadelphia Office  
2118 Diamond Street, Philadelphia

struction, 2 stories, 38x110 feet, stone foundations, composition roof, hardwood floors, heating extension, electric light, hollow metal sash. Plans completed. Owner will take sub-bids.

**Residence**, Rockford Pike, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld, care of architect. Brick, 2½ stories, 45x30 feet, wing 16x22 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Architect taking bids due as soon as possible. J. E. Healy & Son, William Haddock & Co., G. S. Charles & Son, Ed. Johnson & Son, and Smith Const. Co., all of Wilmington, Del., are figuring.

**Factory**, Maryland and Liberty streets, Wilmington, Del., \$60,000. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Liberty-Morocco Co., on premises. Brick, slow burning construction, 6 stories, 72x90 feet, composition roof, maple floors, central heating system, electric light, hollow metal sash, fire doors, elevators. Architect has received bids.

**Boathouse**, Reedy Island, Delaware. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owner, United States Quarantine Station, Reedy Island, Del. Owners ready for bids due September 24th. Plans may be obtained at Custodian of the Station or at Washington, D. C.

## Delaware Contracts Awarded

**Storage House** (add.), 108 East Third street, Wilmington, Del., \$4,000. Architect, private plans. Owner, Ellwood A. Pierson, on premises. Brick, 1 story, 25x92 feet, stone foundations, slag roof, pine floors, electric light. Contract awarded to Patrick Fahey, 103 N. Clayton street, Wilmington.

**Show Room and Warehouse** (alt. and add.), Seventh and French streets, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, Sterling Electrical Co., Ninth and King streets, Wilmington, Del. Brick, 3 stories, 80x200 feet, concrete foundations, iron roof, concrete floor, steam heat, electric light. Contract awarded to George Randman, 403 Concord street, Wilmington, Del.

**Residence and Garage**, Seventeenth street, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, Dr. Bell, Wilmington, Del. Brick, 2½ stories. Contract awarded to W. H. May, Wilmington, Del.

**Settlement Building**, West Ninth street, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. Brick, 3 stories, 85 feet front, slag roof, pine floors, steam heat, electric light, tile and marble work. Contract awarded to W. H. May, Rock Manor, Wilmington, Del.

**Garage**, Penn avenue, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. Brick, 1 and 3 stories, 72x27 feet, stone foundations, cement floors, electric light. Contract awarded to W. H. May, Rock Manor, Wilmington, Del.

Don't be discouraged if you make an occasional mistake; if men didn't there wouldn't need to be any claw on a hammer.

## Miscellaneous Construction News

**Office Building**, Sixtieth and Broadway, New York. Architect, Andrew J. Sauer & Co., Denckla Building, Philadelphia. Associate architect, Newton C. Bond Co., Springfield, Mass. Owner, American Bosch Co., New York City. Brick, steel, reinforced concrete, 10 stories, 75x100 feet, cement floors, steam heat, electric light, tile and marble work, metal lath, elevators. Revised plans in progress.

**Factory Building and Power House**, One Hundred and Forty-first street and Walnut avenue, New York City. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Port Morris Holding Co., on premises. Reinforced concrete, brick, steel, 6 stories, 150x60 feet, 188x60 feet, concrete foundations, slag roof, concrete and maple floors (heat, electric work and plumbing reserved), hollow tile, rolled steel sash and skylights, fire and kalamein doors, safety treads, roof ventilators, dampproofing, iron work. Architects have received bids.

## Proposals

### INVITATIONS FOR PROPOSALS.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., August 28, 1919. Sealed Proposals will be received at this office until 3 P. M., September 18, 1919, and then opened, for Marquise for Mailing Vestibule at the United States Post Office, New Haven, Conn., in accordance with drawing R. No. 227 and this specification, copies of which may be had at the office of the Custodian or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., August 25, 1919. Sealed Proposals will be opened in this office at 3 P. M., October 6, 1919, for the construction of the United States Post Office at St. Johnsbury, Vt. Drawings and specifications may be obtained from the custodian of the site at St. Johnsbury, Vt., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., August 30, 1919.—Sealed Proposals will be opened in this office at 3 P. M., October 10, 1919, for the construction of the United States Post Office at Lock Haven, Pa. Drawings and specifications may be obtained after September 13, 1919, from the Custodian of the site at Lock Haven, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., September 2, 1919. Sealed proposals will be opened in this office at 3 P. M., September 30, 1919, for furnishing the labor required in the construction, complete (including heating,

We have pebbles all sizes. Cost less than what you are using. **DAVID FRANCE CO.**, Tasker Street Wharf, Delaware River, Philadelphia.



plumbing, electric conduits, and wiring), with materials that will be furnished by the Government, for senior medical officers' quarters, attendants' quarters, tuberculosis pavilion, and approaches, for the United States marine hospital at Boston, Mass. Drawings and specifications may be obtained from the custodian, or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 3, 1919. Sealed proposals will be received at this office until 3 P. M., September 24, 1919, and then opened, for constructing, complete, a new boathouse for the United States Quarantine Station at Reedy Island, Del., in accordance with the specifications and drawings, copies of which may be obtained from the custodian of the station or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

### THE BUILDER'S ADVERTISING

One of the most important things in a builder's business is appropriate business stationery. It tells who you are, what you are—and according to its style gives a favorable or unfavorable impression of your business standing. Therefore, a simple, clean, dignified letterhead, envelope corner card, and a business card in the same style, should be carefully selected and the style adhered to. Have it always the same. Have your bills and statements of the same style, so that the general appearance of any of these can almost be identified as yours before the lettering is read. Choose a good standard stock—white or tinted—and always use that kind. Don't allow your printer to put in ornaments or curlicues—make it straight-out, simple design and simple lettering. You can get samples from any of the big printers or paper houses. Take a little care and time, and if you are in doubt get a little advice from those who know the right thing. These paper messengers have a bigger effect on the buying public than you may have any idea of, and they have a big effect on those you buy from and on your business generally.

The builder who neglects any opportunity to make a bid for publicity is losing money. The builder who persistently keeps his name before the public is sure to be the gainer. This is an era of advertising; millions of dollars are spent yearly under the direction of experts whose fees are limited only by their ability to obtain results for their clients. The keynote of success in advertising is to keep everlastingly at it. Adopt a policy that is suitable to your line of work and then keep pounding away at it. Don't make the mistake of neglecting your ad-

vertising as soon as it begins to make money for you. Many advertisers of ten years ago whose names were household words are unknown today because they thought they were so well known that they could stop advertising.

The average builder, of course, is not concerned with national advertising, what he needs is local publicity; some method whereby he can attract the attention of people in his immediate vicinity. Probably the most effective means of doing this is by means of signboards and plenty of them. A signboard should contain the name, the business and the address—nothing more; too many words spoil its effectiveness. Have one or more signboards on every job you do, whether it is a hundred dollar remodeling job or a million dollar skyscraper. If possible have the signs illuminated at night; people are then in a more receptive mood and there is less to distract their attention. All of your heavy equipment should bear your name and material men should be furnished with signboards to be placed on all loads of material that are delivered to your jobs. Run a permanent advertisement in your local architectural and building paper, and when you have a new job notify their news departments, they will often give it notice as a news item.

In advertising it is necessary to use considerable ingenuity in order to attract the attention of the average reader. Cuts are highly desirable for this sort of work. The text which accompanies the cut should be very, very short and to the point and should refer to the subject of the cut. Twenty or thirty words are as much as the average reader of advertising will digest.

A method of reducing the cost of a large number of signs is to use a stencil. Stencils can be bought from a manufacturer or they may be home-made. For the latter use heavy manila paper, well oiled, to prevent ragged edges and sticking, or have the tinner cut one out of metal.

A neat signboard prominently displayed on equipment has considerable value from an advertising standpoint. Painting the sign on the equipment itself is not so good, as the lettering soon becomes covered with dirt and grease.

### RESPONSIBILITY OF THE ARCHITECT

The responsibility of the architect in relation to the cost of building is the most serious indictment made against him. The question of arriving at costs is extremely



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We have installed water supply systems for the biggest steel and industrial plants in the country.

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**Artesian Wells      Air Lift Systems**  
**Water Supply Systems      Artesian Well Pumps**  
**Complete Installations**

**A. J. Nicholas & Co.**  
 Bell, Locust 5874      Bulletin Building

difficult, due to changes in the market, the varying costs in different sections in which an architect may be called upon to build, the condition of the building market as to contractors anxious to undertake the work, and last but not least, the question of the contractor's overhead profits and their estimates on labor required, these three items being subject to wide variations and not subject to any check by the architect.

The owner expects the architect to give a very close preliminary estimate on very meagre data, while it is a known fact that contractors bidding on very complete plans and specifications vary widely in the prices at which they will undertake the work, and these contractors' bids are the final word as to the value of the work.

The only solution seems to be for the architect to put this matter fairly to the public. The use of a quantity survey system should bring about far better economic conditions in the building world.

Errors in plans and specifications are certainly a financial responsibility of the architect to the owner and contractor.—*Extract from Report of Louisiana Chapter, American Institute of Architects, Post-War Committee.*

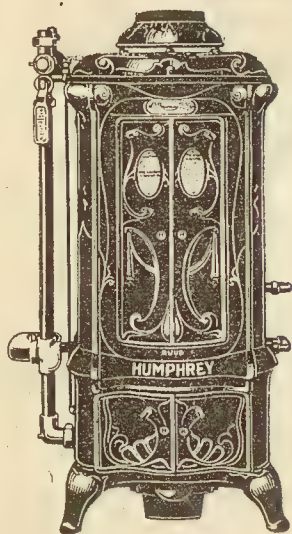
There is not a business one can think of, which is not full of little temples where one can curse or pray. Every business that one knows has its host of light in it, fighting against its host of darkness; one set of men conducting the business as if they and the public were engaged in a sort of mutual enthusiasm and daily service, with permanent success as the goal; and another set of men whose success is ruining the business to which they belong, and the public besides—and themselves.

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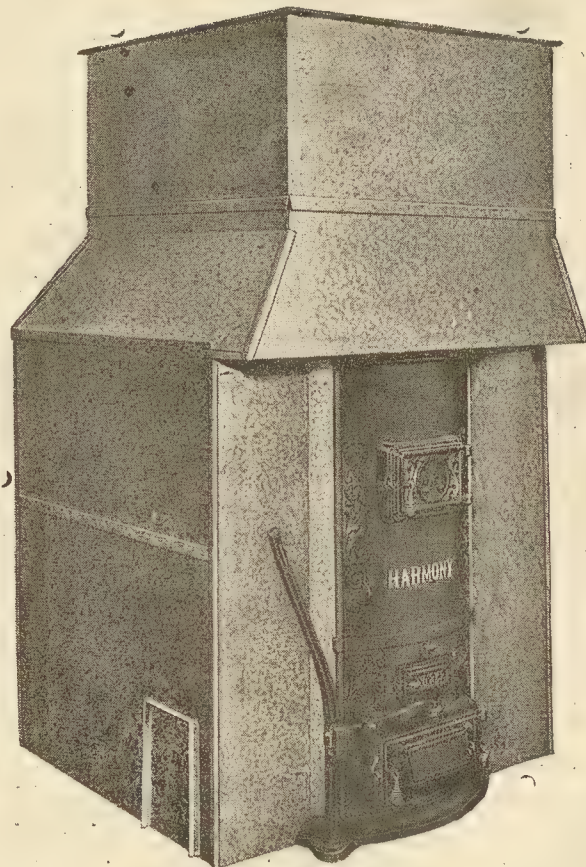
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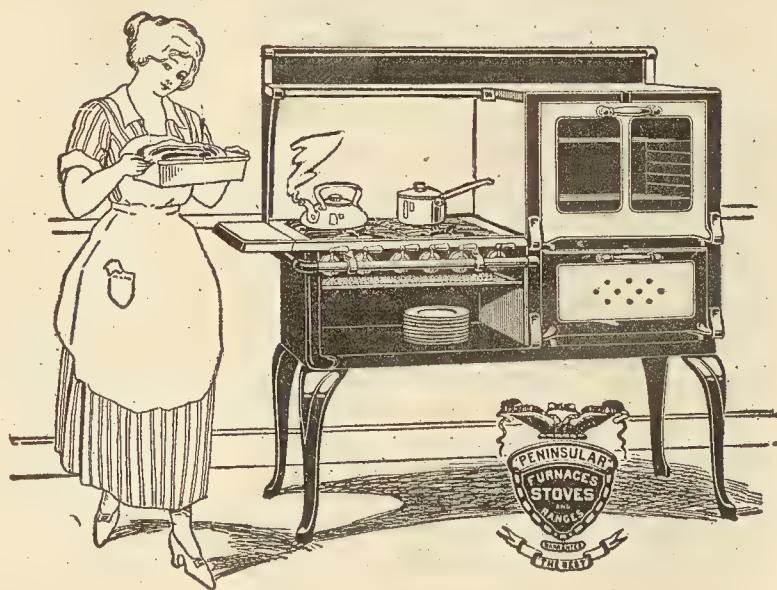
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Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Kein Stove Co.....700 N. Front st., Phila.  
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## Gas Water Heaters.

Apeldorn & Beatty Co....155 N. 9th st., Phila.

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## Hollow Tile.

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Stokes-Packard-Haughton & Smith,  
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McCalla Co., The Harold...531 N. 4th st., Phila.  
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## Metal Lath Construction.

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French, Samuel H., & Co.,  
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## Safety Guards.

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## Slate.

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## Soundings.

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Ridpath & Potter Co.....Bourse Bldg., Phila.

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## Structural Slate.

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## Structural Steel.

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Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.

Morris Wheeler & Co. 30th and Locust sts., Phila.

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Stokes-Packard-Haughton & Smith,  
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Wagner-Taylor-Edson Co., Inc.,  
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## Terra Cotta (Architectural).

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Petronite Mfg. Co.....531 N. 9th st., Phila.

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| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

## LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

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Surplus to Policyholders..... \$ 12,922,516.93

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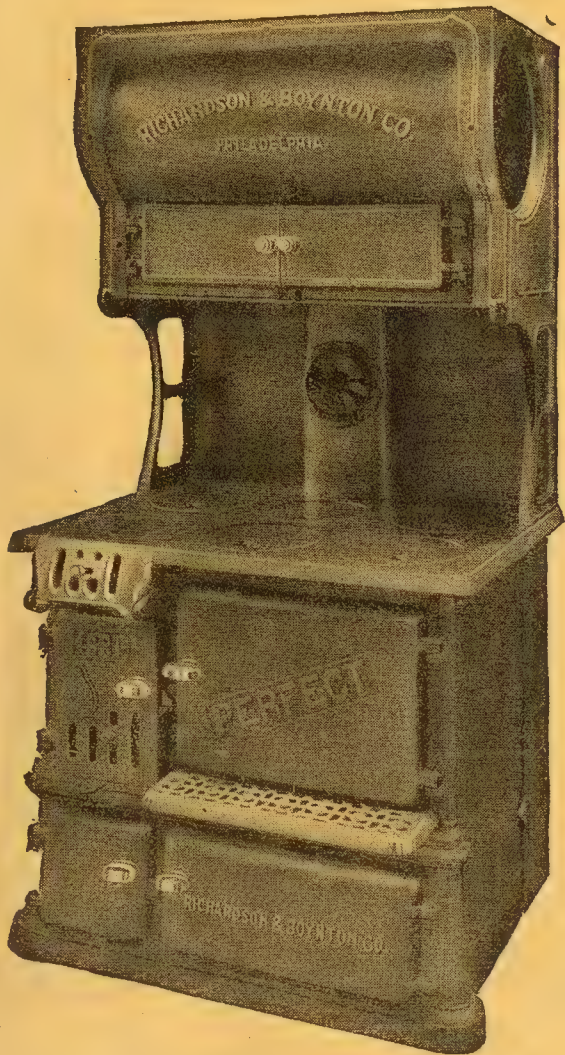
# Builders' Guide

ENTERED AT THE PHILADELPHIA POST OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 38  
September 17, 1919

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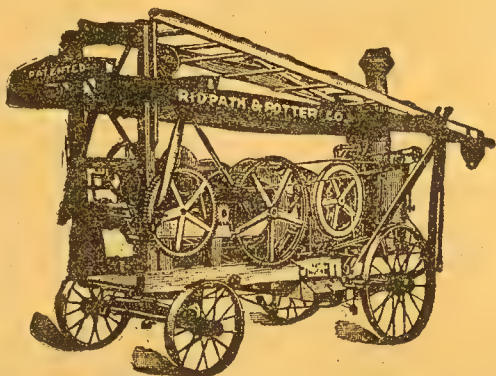
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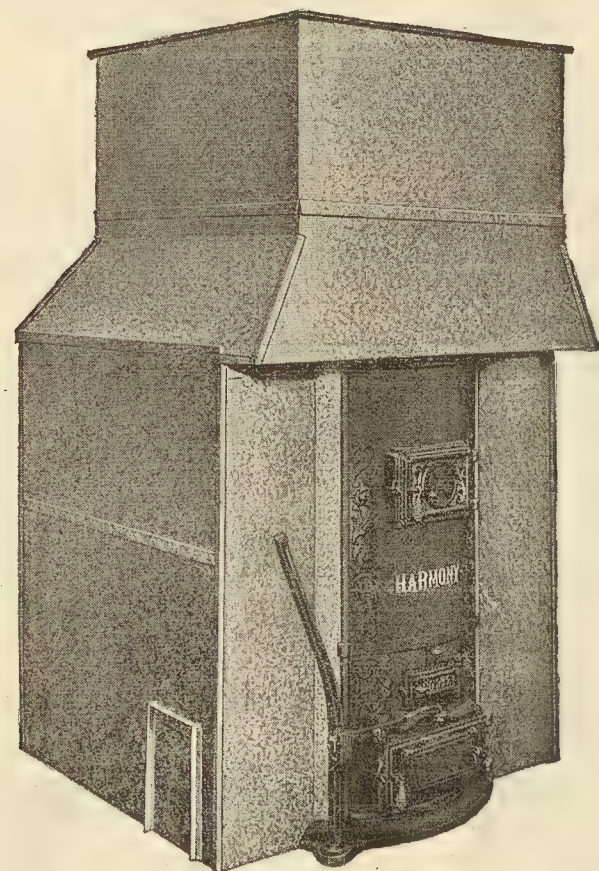
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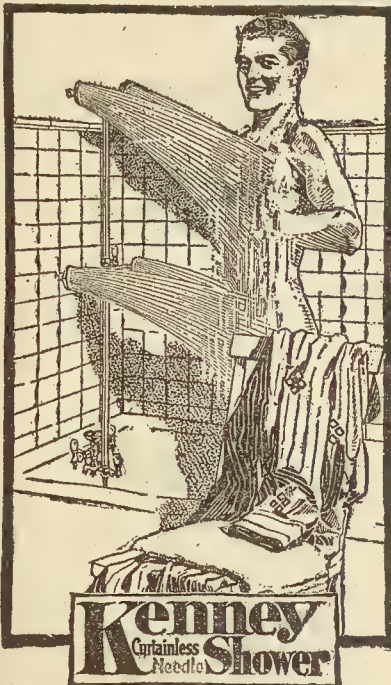




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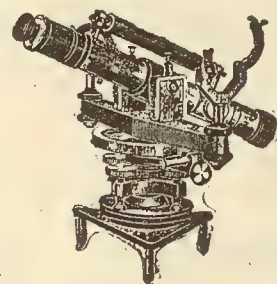
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# BUILDERS' GUIDE

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Engineering and the Building Trades

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## BUILDERS' GUIDE

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## As The Editor Sees It



MANY suggestions for the development of the port of Philadelphia have been made since the great activities of Philadelphia and its industrial vicinity have come into prominence as a result of the important part these industries contributed to winning the war. Most careful and exhaustive study has been made by the Philadelphia Chapter of the American Institute of Architects Special Committee on Housing and Transportation, of which John Irwin Bright is chairman. Mr. Bright and his associates, Messrs. M. B. Medary, Jr., John Molitor and Paul A. Davis, 3rd, have compiled in their report many notable suggestions and have made recommendations for the future development of Philadelphia, that should be given weighty consideration by all public spirited organizations and by all industrial enterprises.

This report is to be regarded as a continuance of the work undertaken by the Philadelphia Chapter of the American Institute for Architects in its investigation of the industrial development in the territory contiguous to Philadelphia. The social and economic structure of a nation cannot be separated into disassociated units for the purpose of study, but each part, be it railways or shipping or housing, must be regarded as a constituent member of an harmonious organism. The questions relating to housing and to the port of Philadelphia are only fragments of the greater question and a solution of a detail may be attempted only by rea-

lizing the interdependence of each subject in the general scheme of life.

The complete report continues:—

"On the North Atlantic Coast of the United States there are several seaports, varying from each other in their importance to commerce. Among them is Philadelphia. Philadelphia does not take the place to which we believe its strategic position on the highways of commerce entitles it, and it is the first purpose of this paper to demonstrate that by certain physical changes, presenting no insuperable engineering or financial difficulties, it may be transformed from its present humble position to one of grandeur, from an asset of local significance to a source of limitless wealth to the entire country.

"It is the second purpose to prove definitely that the conversion of Philadelphia into a great port can only be accomplished by utilizing the Hog Island site in its harbor schemes, and that there is no alternative.

"A port may be defined as a place chiefly devoted to the business of exporting and importing. It includes in its area the harbor and generally one or more cities. The principal arteries of travel, entering, subdividing and leaving the port, form the grand lines of the plan and the manner in which they are disposed determines the extent of its usefulness to national and local commerce.

"Why should one port be more prosperous than another? What are the eco-

nomic laws involved? To what extent are its physical attributes responsible for its state of being? To what extent may the physical characteristics of one port weigh against the less obvious advantages of another port? These are some of the questions which must be considered.

"The fundamental reason for a port's existence is that it is the meeting place of lines of trade. The transportation line and the port are the two terms of the equation and are necessary to each other.

"A world market once established, a host of minor influences, called into being by the fact of the existence of the port, tend to the strengthening of its position; so that the fundamental reason, the strategical location, may become relatively unimportant.

"It is even conceivable that owing to the weight of minor advantages gradually acquired through a long period of usage, a port may actually lose the superiority due to its geographical position and still retain its leadership. The hypothetical example given later shows how easily this could be brought about. It therefore follows that the prosperity of a port depends upon the sum of one or more fundamental causes and a larger number of lesser or contributory causes; and these causes are seldom of the same value in any two instances and always in a state of flux.

"The commerce which is or which may be borne on the Hudson River, the last link in the water chain from the West to

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the sea, determines New York's primacy as an international market. In 1825, the date of the opening of the Erie Canal, the chief staple of export was the wheat grown in the country just south of the Great Lakes. The canal by reason of its low tolls obtained so much of this important business that its terminal city, New York, immediately became and has ever since remained the leading port of the nation.

"Evidently it was the route and not the harbor which determined the flow of commerce.

"All the subsequent events growing out of the commercial rivalry between the four main North Atlantic ports, Boston, New York, Philadelphia and Baltimore, furnish proof of the overwhelming advantage of geographical position. Boston and Baltimore joined forces with Philadelphia, and, using railway rates as their chief weapon, never ceased their efforts to regain some of their trade diverted to New York. Philadelphia and Baltimore had the advantage of distance and enjoyed a cheaper tariff than did her rivals, but in spite of all manipulation the grain business remained with New York. Albert Fink in his brilliant writings pointed out that the differential from the rates based on New York of 2c and 3c per hundred pounds of grain allowed by the railroads to Philadelphia and Baltimore respectively, was always added to the ocean rates. He showed that the railway rates established between the West and any Atlantic port must be regarded as only a part of the through rate from Chicago to Europe. Fluctuations in rates due to natural causes or to local rivalries were immediately equalized by the ocean charges, so that a lowering of railroad tariff in favor of any one port led automatically to an increase in ocean tariff, establishing again the equilibrium. Barring temporary exceptions, the cheapest route from Chicago to Europe was through New York, regardless of the railway tariff between Chicago and any other American port. As the shipping companies could not have been interested in any inter-city rivalry, the only possible inference is that foreign commerce could be transacted in a cheaper way through New York than through any other available port, and it was evident that something more subtle and potent than any public or secret rate was responsible for such conditions.

"A most curious situation existed about the year 1880, furnishing further proof of the all-prevailing influence of the route. For some time there was a well-grounded suspicion in the public mind that Boston was enjoying lower railway rates on export grain than was New York. Furthermore, the ocean rates between Europe and Boston were less than

between Europe and any other American port. Here was an exception to the rule of equalization, and yet the normal distribution of grain traffic between the ports was not effected. Boston had the rates, temporarily at least, but could not deliver the goods. It would be dangerous to assume, however, that a more pronounced disturbance of rates, continued for a longer period of time, and affecting a more traveled route, would not have caused a marked displacement in the center of gravity trade. The impossibility of placing an exact money value on such things as location, plan, commercial advantages or force of habit leads us to devote most of our attention to what we fatuously believe to be practical considerations. A dredge can make a harbor, but not a port. A railroad rate in itself never made either.

"The consensus of world opinion does not err in fixing upon a seaport. It knows how to distinguish between the great fundamental forces and the relatively small questions of rate making and of construction.

"As a matter of fact, the merchant engaged in foreign trade does not bother his head about these things. He has but one question to ask, viz., what is, all things considered, the most profitable seaport for his business?

"It is, therefore, clear that in order to attract to herself a great ocean-carrying trade Philadelphia must perforce cheapen her transportation facilities to a point where commerce will automatically flow in her direction. Prior to the formulation of a plan to accomplish this result, it is only common prudence to examine very closely into the reasons why other ports enjoy their varying degrees of prosperity to the end that we may base our contemplated action on the workings of economic law.

"These basic reasons seem so simple and logical that it is only with great hesitation that we venture to direct attention to them, and yet the non-recognition of their controlling force has been the frequent cause of the wastage of capital. We believe that the creation and continued existence of a port are due to the following impulses.

#### FIRST AND BY FAR THE MOST IMPORTANT CONSIDERATION.

"It must be the meeting place of natural trade routes.

"Natural trade routes are in a sense unchangeable, but in many cases are only rendered available by artificial means.

"The Suez and the Panama Canals are examples of this. Their opening made usable, on a large scale, natural trade routes which formerly had been neglected in favor of long and hazardous sea voyages. It should not be too lightly

accepted as a truth that the line in use at any given time is the only one possible.

"The actual and potential commerce using the route determines its importance. Thus, the canal from Lake Erie to the head waters of the Hudson River is a great world route, owing its value to its potential rather than to its actual usefulness.

#### SECONDARY CONSIDERATIONS.

"1. The Harbor. That the harbor should be possible of development is often all that is required. Amplitude, safety and depth of water are points in its favor, but do not control the choice.

"Examples of serviceable harbors largely artificial are London, Liverpool and all the harbors on the North European coast between Havre and Hamburg.

"Examples of harbors largely natural are New York and Boston.

"Examples of excellent harbors which are not great ports are numbered by the score and are found in every part of the world.

"2. Of two competitive ports enjoying equal facilities in the matter of natural routes and harbors, that one will prevail which exacts the lesser tolls from the commerce passing through or terminating in its boundaries.

#### FACTORS IN THE DETERMINATION OF THE AMOUNT OF THE TOLL.

"A. Transportation rates of all description based on distance and commercial competition between industries and cities. Space does not allow even the most superficial analysis of this intricate subject.

"B. The capacity of the port to transact business.

"C. The mechanical equipment of the harbor.

"D. The concentration of business and banking interests in the port area.

"E. The industrial production of the port area itself.

"F. The influence of passenger business.

"G. The conveniences and amenities of life offered to visitors.

"These minor sub-divisions are without doubt incomplete and are presented without too much assurance that they occupy their correct rank one to another, but any error of this kind must be negligible, as they are contributory and not fundamental factors.

"Indeed, mere scrutiny of the titles show that they are essentially stabilizing forces, but taken singly or together always capable of exercising an influence sufficiently powerful to overbalance a degree of advantage in a major characteristic. The position of the port once firm-

(Continued on Page 572.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Commercial Building (alts.),** 425 Market street, Philadelphia. Architects, Clark & Dudnick, Drexel Building, Philadelphia. Owner, name withheld. Brick front, 4 stories, slag roof, pine floors, electric light, plumbing, metal lath, plastering, stairways. Plans in progress.

**Garage,** Twelfth and Cambria streets, Philadelphia. Architects, Clark & Dudnick, Drexel Building, Philadelphia. Owner, J. W. Vandegrift, care of architects. Brick and steel, 2 stories, 57x176 feet, slag roof, concrete and pine floors, metal lath, stone foundations, steam heat, electric light, rolled steel sash, (1) elevator, roof ventilators. Architects will take bids in a few days.

**Store Building (alts.),** Seventh and Eighth and Market streets, Philadelphia. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owner, Lit Brothers, Seventh and Market streets, Philadelphia. Concrete work, stone masonry, structural steel, metal work, plastering, painting, glazing, sheet metal work, carpentry (elevators, electric lighting, heating and plumbing reserved), metal lath, tile and marble work. Architects have received bids.

**Stores and Apartments (5),** Southeast Corner Sixtieth and Chestnut streets. Architects, Clark & Dudnick, Drexel Building, Philadelphia. Owner, Morris Silver, on premises. Brick, 3 stories, 16x84 feet, stone foundations, slag roof, hardwood floors, hot water heat, electric lighting, tile work. Owner and architects taking sub-bids.

**Garage,** rear of 4728 Northeast Boulevard, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, B. Swanick, on premises. Brick and stucco, 1 story, 18x20 feet, slate roof, cement floors, stone foundations, hot water heat, electric lighting. Samuel Shoemaker, 1132 Land Title Building, is taking sub-bids.

**Synagogue,** Broad and Belfield streets, Philadelphia. Architects, J. E. Fieldstein, Penfield Building, and E. L. Rothschild, 1011 Chestnut street, Philadelphia. Brick and stone, 80x110 feet, slag roof, steam heat, electric light. Architects taking bids due as soon as possible from Lam Building Co., 1001 Wood street, Philadelphia.

**Dwelling (add.),** 107-09 East Allegheny avenue, Philadelphia, \$3,000. Architect, private plans. Owner, Charles Fichtner, Hancock and Westmoreland streets, Philadelphia. Brick, 1 story add., 26x27 feet. Owner will build.

**Dwellings (17),** Wyoming avenue, Eighth to Ninth streets, \$49,500. Architect, private plans. Owner, O. J. Gissel & Co., 4826 North Broad street, Philadelphia. Brick, 2 and 3 stories, 16x33 feet, 13x10 feet, 25x14½ feet, 16x17 feet and 16x43 feet, hot water heating, slag roof, electric lighting. Owner will build.

**Warehouse (add. and alt.),** 118-20 Race street, \$13,000. Architect, private plans. Owner, Terminal Warehouse & Transfer Co., Delaware

avenue and Green street, Philadelphia. Brick, 3 stories, 35x75 feet, general alterations. Owner will build.

**Stores and (6) Dwellings (add. and alt.),** 5505-15 Baltimore avenue, \$8,000. Architect, private plans. Owner, Michael S. Kirschner, 421 Snyder avenue, Philadelphia. Brick, 1 story, 16x8 feet, general alterations. Owner will build.

**Garage,** 332 North Sixty-third street, Philadelphia, \$2,000. Architect, private plans. Owner, Chris. E. White, 6209 Girard avenue, Philadelphia. Brick, 1 story, 17x61 feet, 24x18 feet, slag roof, cement floors. Owner will build.

**Building (alts. and add.),** 813 Fitzwater street, Philadelphia. Architects, MacKenzie & Wiley, 1615 Walnut street, Philadelphia. Owner, David Sassi & Son, on premises. Brick, 2 stories, 20x80 feet, slag roof, maple and pine floors, electric lighting, painting, decorating, fire brick (bakery). Architects have received bids.

**Paving, Etc.,** Philadelphia. Architect, private plans. Owner, City of Philadelphia, Bureau of Highways, Department of Public Works, City Hall, Philadelphia. Grading, asphalt paving, bituminous macadam and vitrified block paving, granite block and wood block repaving, construction of retaining wall, repair of river banks. Owners taking bids due September 23rd.

**Bank (alts. and add.),** Third and Arch streets, Philadelphia. Architect, John T. Brugger, 505 Chestnut street, Philadelphia. Owner, Union National Bank, Third and Arch streets, Philadelphia. Brick, cut stone and steel, 3 stories, 20x20 feet, slag roof, oak and maple floors, hollow tile, stone foundations, tile and marble work, rolled steel skylights, fire doors, iron work (heating and electric lighting reserved). Architect taking bids due September 17th. F. B. Davis, 240 North Sixteenth street; A. R. Raff Cont. Co., 1635 Thompson street; Roydhouse-Arey Co., 112 North Broad street; Henry C. Dahl, 231 South Eighth street, and F. L. Hoover & Son, 1023 Cherry street, are figuring.

**Steel Superstructure,** Front street, near Arch street, Cont. No. 509. Architect, private plans. Owner, City of Philadelphia, Department of City Transit, Director William S. Twining, Mershon Building, Philadelphia. Lowest bidder, McClintic-Marshall Co., Morris Building, \$31,277.

**Dwellings (23),** Warnock street, North of Wyoming street, \$5,000. Architect, private plans. Owner, A. Sonnenfeld, 287 South Sixty-third street, Philadelphia. Brick, 2 stories, 17 feet 8 inches x32 feet, slag roof, steam heat. Owner will build.

**Store and Apartments,** Sixty-ninth and West Chester pike, Philadelphia. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, I. A. McCoubrie, care of architects. Brick, 3 stories, 20x76 feet, slate

and slag roof, parquetry and pine floors, metal lath, stone foundations, hot water heat, electric light, tile work, rolled steel skylights, iron work. Architects taking bids due September 22nd. H. E. Grau Co., 1709 Sansom street; E. J. Kreitzburg, 1345 Arch street; Wills-Ludwick Co., 1708 Sansom street; T. C. Trafford, 1613 Sansom street, and E. F. Bahls Co., 1702 North Thirteenth street, are figuring.

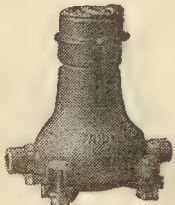
**Store and Office Building,** Sixty-ninth and West Chester Pike, Philadelphia. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, John J. Dougherty, Sixty-ninth Street Terminal Building, Philadelphia. Brick, 3 stories, 20x66 feet, slag and slate roof, parquetry and pine floors, metal lath, stone foundations, hot water heat, electric light, tile work, rolled steel skylights, iron work. Architects taking bids due September 22nd. H. E. Grau Co., 1709 Sansom street; E. J. Kreitzburg, 1345 Arch street; Wills-Ludwick Co., 1708 Sansom street; T. C. Trafford, 1613 Sansom street, and E. F. Bahls Co., 1702 North Thirteenth street, are figuring.

**Store (alts. and add.),** 1222-24 Walnut street, Philadelphia. Architect, Frank E. Hahn, 1112-14 Chestnut street, Philadelphia. Owner, Stone, Inc., 1222-24 Walnut street, Philadelphia. Brick and hollow tile, 4 stories, slag roof, 22x44 feet, maple floors, stone foundations, electric light, tile and marble work, metal lath, kalamein doors, metal ceilings, dampproofing, iron work (heating and elevator reserved). Architect has received bids.

**Residence,** St. Martin's, Philadelphia. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building, Philadelphia. Owner, William C. Hess, Jr., 1817 North Twenty-fourth street, Philadelphia. Hollow tile and stucco, 2½ stories, 28x50 feet, wing 20x28 feet, slate roof, oak floors, tile and marble work, electric lighting, hot water heat. Architects taking revised bids due September 23rd. I. A. Dunkelberger, 71 East Herman street; Tourison & Tourison, 7014 Boyer street; Pringle Borthwick, 8018 Germantown avenue; F. Elvidge & Son, 5522 Germantown avenue, and A. L. Fretz & Son, Heed Building, are figuring.

**Factory Building,** 220 Pine street, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, Morris Kardon, on premises. Brick, steel and concrete, 3 stories, 36x140 feet, slag roof, pine floors, stone foundations, steam heat, electric light, rolled steel sash, hollow metal skylights (electric freight elevator reserved). Owner taking bids due September 17th. J. Bender, 1817 South Fourth street, and Fagen & Sokoloff, care of owner, are figuring.

**Residence and Garage,** 1511-13 Moyamensing avenue, Philadelphia. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owner, N. L. Weisberg, 1431 South



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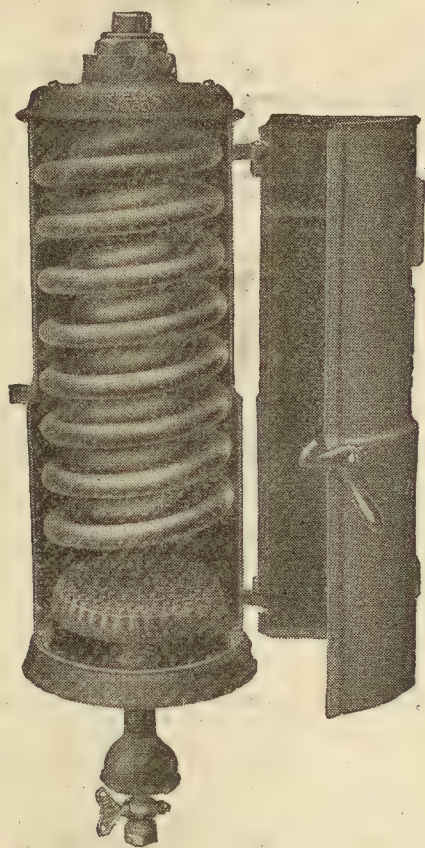


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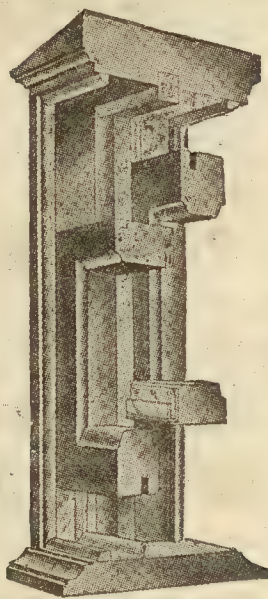
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Fourth street, Philadelphia. Brick, 2 stories, 20x70 feet, garage, 2 stories, 20x76 feet, slag roof, oak, pine and cement floors, stone foundations, hot water and steam heating, electric lighting, tile work. Architect will be ready for bids in a week.

**Residence (int. alts.),** 1724 North Fifty-second street, Philadelphia. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owner, H. Zaltzman, on premises. Brick, 3 stories, hot water heat, electric lighting, hardwood floors, cabinet work, plumbing. Plans completed. Architects ready for bids in a few days.

**Church (alts. and add.),** Seventh and Norris streets, Philadelphia. Architects, Charles W. Bolton & Sons, Witherspoon Building, Philadelphia. Owner, Seventh Street Methodist Episcopal Church, on premises. Brick and stone, 2 stories, 56x80 feet, wing 24x36 feet, slate and slag roof, yellow pine floors, stone foundations, electric lighting, iron work, carpentry, mill work, plastering (heating and plumbing reserved). Architects taking bids due September 19th. Thomas C. Trafford, 1613 Sansom street; F. L. Hoover & Son, 1023 Cherry street; Robert E. Lamb Co., 843 North Nineteenth street, and Henry P. Schneider, 3713 Old York Road, are figuring.

**Residences (8),** Fifty-ninth and Cobb's Creek Parkway, Philadelphia, \$47,000. Architect, private plans. Owner, R. D. & J. M. Wilson, 133 South Twelfth street, Philadelphia. Brick, 2 and 3 stories, 16x59 feet and 16x32½ feet, 13x26½ feet, hot water heating. Owner will build.

**Ice Plant and Storage Building,** 2440-48 N. Eighth street, Philadelphia. Architects, Wm. F. Koelle & Co., Twenty-sixth and Oxford streets. Owners, Breyers Ice Cream Co., on premises. Brick, steel and terra cotta, 3 stories, 49x78 feet, slag roof, cement floors, stone foundations, rolled steel sash and doors, fire escapes, iron work, plumbing, carpentry and mill work (heating and electric lighting reserved). Owners taking bids, due September 22nd. Turner Const. Co., 1713 Sansom street; A. R. Raff Cont. Co., 1635 Thompson street; Wm. R. Dougherty, 1610 Sansom street, and Wm. F. Koelle & Co., Twenty-sixth and Oxford streets, are figuring.

**Building (alts. and add.),** southwest corner

of Tenth and Parrish streets, Philadelphia. Architect, David Supowitz, 929 Chestnut st., Philadelphia. Owner, P. McLaughlin, on premises. Brick, 1 story, 31x20 feet, slag roof, pine floors, electric lighting, tile work, plumbing. Architect ready for bids in a week.

**Garage,** southeast corner of Broad and Wharton streets, Philadelphia. Architect, Frank V. Nickels, 4400 Main street, Philadelphia. Owner, John E. Friel, care of architect. Brick, 1 story, 24x40 feet, slag roof, cement floors, stone foundations, steam heating, electric lighting. Architect will be ready for bids in a few days.

**Stanley Theatre,** Nineteenth and Market streets, Philadelphia. Architects, Hoffman, Henon, Inc., Finance Building, Philadelphia. Owners, Stanley Co. of America, care of J. McGuirk, vice-president, 1214 Market street, Philadelphia. Brick, terra cotta and steel, 1 story and balcony, 143x176 feet, slag and composition roof, tile, maple and composition floors, concrete foundations, steam heat, electric light, marble work, rolled steel skylights, kalamein and hollow metal doors, fire escapes, ornamental iron work, metal lath, roof ventilators, dampproofing. Architects taking bids, due September 22nd, from Keystone State Const. Co., Franklin Bank Building, only bidders.

**Elevated Stations (4),** Kensington and Huntingdon street, Kensington avenue and "B" street, Kensington avenue and Tioga street, and Tioga and "K" streets, Philadelphia. Architect, private plans. Owners, City of Philadelphia, Department of City Transit, care of Director Wm. S. Twining, 1211 Chestnut street, Philadelphia. Brick and steel and concrete. Owners taking bids. Thos. Reilly, 1616 Thompson street; F. W. Van Loon, Denckla Building; Hurley Bros., Franklin Trust Building; Standard Const. Co., 1713 Sansom street, and Conners Bros. Co., 15 West Ninety-first street, New York City, are figuring.

**Residence,** Tacony, Philadelphia. Architect, Edgar A. Wightman, 1213 Filbert street, Philadelphia. Owner, George Gebhart, Tacony, Philadelphia. Brick and stucco, 2½ stories, slate roof, hardwood floors, hot water heating, electric lighting, tile work. Architect will be ready for bids in one week.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Factory (add.) and Garage,** Ella street, North of Indiana avenue, \$33,000. Architect, private plans. Owner, Germania Worsted Mills, on premises. General alterations, garage, 1 story, brick, 27 feet 5 inches x44 feet. Contract awarded to William Steele Sons & Co., 1600 Arch street.

**Building (alts.),** 527 Market street, Philadelphia, \$9,700. Architects, Hoffman & Henon, Inc., Finance Building, Philadelphia. Owner, Finance Co., Finance Building, Philadelphia. Interior alterations, 5 stories, new bulk win-

dows, marble front, new stairs, maple floors, steel work. Contract awarded to Ketcham & McQuade, 1029 Brown street.

**Tool House,** School Lane, West of Wissahickon avenue, \$2,000. Architect, private plans. Owners, Moses Brown, on premises. Brick, 1 story, 20x26 feet, slag roof, cement floors, electric lighting. Contract awarded to F. Elvidge & Son, 5522 Germantown avenue.

**Factory,** East side Randolph street, North of Tioga street, \$10,000. Architect, private plans. Owner, Gustav Soelle, 3531 North



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Fifth street, Philadelphia. Brick, 2 stories, 37x113 feet, electric lighting, slag roof. Contract awarded to Fred. Speth, 3531 North Fifth street, Philadelphia.

**Dwelling (add.),** 4328 North Broad street, Philadelphia, \$8,000. Architect, private plans. Owner, William A. Fennis, on premises. Brick, 2 stories, 18½x108 feet, 18½x35 feet and 18½x60 feet, slag roof. Contract awarded to Frank G. English, 1608 North Carlisle street.

**Factory (alts.),** 231 Race street, Philadelphia, \$7,000. Architect, private plans. Owner, I. Montague and M. Style, 483 North Fourth street, Philadelphia. General alterations to fire tower and elevator shaft. Contract awarded to David Sokoolw, 3123 Euclid avenue, Philadelphia.

**Garage (add.),** 3642 Frankford avenue, Philadelphia, \$4,000. Architect, private plans. Owner, G. Ebinger, on premises. Brick, 1 story add., 18x80 feet, cement floor, slag roof. Contract awarded to F. Deitrich, Jr., 1828 East Schiller street.

**Factory (add.),** Southwest Corner Frankford avenue and Wilkey street, \$50,000. Engineers, M. Ward Easby, Inc., 1420 Chestnut street, Philadelphia. Owner, G. & H. Barnett Co., 1078 Frankford avenue. Brick, 1 story, 105x170 feet, and 2 stories, 18x46 feet, slag roof, cement floor, pine floor, electric lighting. Contract awarded to M. Ward Easby, Inc., 1420 Chestnut street, Philadelphia.

**Dwelling,** East side Rowland avenue, North of Rhawn street, \$3,500. Architect, private plans. Owner, Richard Crook, 2821 North Sixth street, Philadelphia. Stone, 1 story, 32x43 feet, hot water heat, electric light. Contract awarded to John Mortimer, 3377 Emerald street.

**Garage,** East side American, North of Duncannon street, Philadelphia, \$3,000. Architect, private plans. Owner, J. Bittner, 528 North Second street, Philadelphia. Brick, 1 story, 20x80 feet, electric lighting, cement floors. Contract awarded to John F. Carberry, 1974 Medary avenue, Philadelphia.

**Garage,** Northwest Corner Beechwood street and Medary avenue, Philadelphia, \$2,500. Architect, private plans. Owner, E. Lackman, 2143 Medary avenue, Philadelphia. Brick, 1 story, 36x40 feet, cement floor, slag roof. Contract awarded to Frank Kanaphon, 6240 Norwood street, Philadelphia.

**Garage,** Southwest Corner Olney and Palethorpe street, Philadelphia, \$2,650. Architect, private plans. Owner, Frank Pfelinger, 5261 North Second street, Philadelphia. Brick, 1 story, 18x50 feet. Contract awarded to John F. Carberry, 1974 Medary street.

**Store,** 1805-07 Ridge avenue, Philadelphia, \$4,700. Architect, private plans. Owner, David Baum, 2542 West Girard avenue, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, electric lighting. Contract awarded to Frank I. Wintz, 1618 North Twenty-seventh street, Philadelphia.

**Dye Works (add.),** Southwest Corner Clearfield and Howard streets, \$4,800. Architect, private plans. Owner, Franklin Process Co., 931 Drexel Building, Philadelphia. Brick, 1 story, 18x20 feet, electric light, slag roof. Contract awarded to J. W. Bishop Co., Providence, R. I.

**Office Building (alt.),** 1315 Spruce street, Philadelphia, \$4,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, Engineers' Club, on premises. General interior alterations. Contract awarded to Robert E. Lamb & Co., 843 North Nineteenth street.

**Garage,** North side Chestnut street, West of Forty-eighth street, \$15,000. Architect, private plans. Owner, J. H. Taylor, 5145 Delancey street, Philadelphia. Brick, 1 story,

56x196 feet, electric light, cement floors. Contract awarded to Wm. W. Norris, 711 South Fifty-second street, Philadelphia.

**Shop and Wash Room,** North side Bigler street, East of Delaware avenue, \$4,500. Architect, private plans. Owner, General Mfg. Co., Snyder avenue and Swanson street, Philadelphia. Brick, 2 stories, 47 feet 10 inches x31 feet 5 inches. Contract awarded to H. P. Friend, Inc., Norristown, Pa.

**Shop (add.),** North side Indiana avenue, East of Twenty-sixth street, \$9,000. Architect, private plans. Owners, M. L. Bayard Co., on premises. Brick, 1 story, 58x50 feet, slag roof, electric light. Contract awarded to H. John Homan Co., 34 South Seventeenth street.

**Dwelling,** St. Vincent street, East of Oakley street, \$4,000. Architect, private plans. Owner, Joseph Di Mucci, 912 Fanshawe street, Philadelphia. Brick, 2 stories, 20x33 feet, slag roof, hot water heat. Contract awarded to M. Stevens, 916 St. Vincent street, Philadelphia.

**Warehouse (add. and alt.),** 254-60 South Second street, Philadelphia, \$4,000. Architect, private plans. Owner, Joseph Roos & Co., on premises. Brick, 2d and 3d story adds., 21x42 feet, electric lighting. Contract awarded to H. Blumenthal, 313 Spruce street.

**Dwelling,** 7219 Oxford Pike, Philadelphia, \$8,000. Architect, private plans. Owner, Edward Oestrick, 409 Olney avenue, Philadelphia. Brick, 2 stories, 16x57 feet, hot water heat, electric light. Contract awarded to Jacob Gaertner, 2214 North Third street, Philadelphia.

**Store and Dwelling (add. and alt.),** 2153 Ridge avenue, Philadelphia, \$3,500. Architect, private plans. Owner, Max Schmucker, on premises. Brick, 2 stories, 12x13 feet, rear shed alterations. Contract awarded to Jake Bender, 1817 South Fourth street, Philadelphia.

**Store and Dwelling (alt.),** 630 South Twenty-sixth street, Philadelphia, \$3,300. Architect, private plans. Owner, Henry Gorgunjian, on premises. General alterations. Contract awarded to West Philadelphia Cont. Co., 1244 North Fifty-second street, Philadelphia.

**Shop (add.),** Erie avenue, east of D street, Philadelphia, \$13,000. Architect, private plans. Owners, Albro Clem Elevator Co., on premises. Brick, 1 story, 118x78 feet, slag roof, concrete floors, metal lath, rolled steel sash (heating and lighting reserved). Contract awarded to Robert E. Lamb Co., 843 North Nineteenth street, Philadelphia.

**Residences (2),** Afton street, East of Verrie Road, \$6,000. Architect, private plans. Owner, Mary L. Stewart, Verrie road and Benson avenue. Frame, 2 stories, 16x36 feet, hot water heat. Contract awarded to Elw. Davis, 7329 Tabor road.

**Residence and Store (add. and alt.),** 5107-09 Frankford avenue, \$2,800. Architect, private plans. Owner, A. Chraverelle, 5104 Frankford avenue. Brick, 1 story, 32x6 feet, general alterations. Contract awarded to William Duff, 4666 Wyoming avenue, Philadelphia.

**Wagon House (add.),** Southeast Corner Penn and Belfield streets, Philadelphia. Architect, private plans. Owner, National Umbrella Frame Works, on premises. Brick, 1 story, 38x22 feet and 35x15 feet. Contract awarded to George W. Whiteman, 403 East Penn street.

**Dwelling,** South side Gray's avenue, West of Seventy-first street, \$2,800. Architect, private plans. Owner, Samuel Jones, 2118 South Seventy-first street, Philadelphia. Brick, 2 stories, 16x44 feet, hot air heat. Owner will build.

**Elevator Enclosure,** Spec. 3915, Navy Yard, Philadelphia, \$6,000. Architect, private plans.

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Owner, United States Government, Bureau of Yards and Docks, Washington, D. C. Concrete and sheet metal, steel doors, size 160 feet high and 180 feet high. Contract awarded to Stang & Mitchell, Real Estate Trust Building.

**Store and Warehouse (alts. and add.),** 603 North Second street, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, Schlechter Bros., 607 North Second street, Philadelphia. Brick, 3 stories, rear add., 20x45 feet, slag roof, reinforced concrete and pine floors, steam heat, electric light, marble work, plumbing, hollow metal skylights, flush bulk, metal ceilings, new front. Contract awarded to J. Gorchov, 4116 Girard avenue, Philadelphia.

**Residence (alts.),** 227 Greenwich street, Philadelphia, \$3,000. Owner, M. Goldberg, 305 Cross street, Philadelphia. Repair fire damage. Contract awarded to Ike Walk, 2333 Wolf street.

**Garage,** Ninth street, North of Ritner street, Philadelphia, \$7,500. Architect, private plans. Owner, Mr. Kramer, on premises. Brick, 1 story, 73x145 feet, cement floors, slag roof. Contract awarded to Dominick Iero, Nineteenth and Christian streets.

**Residence and Store,** 2528 North Front street, Philadelphia, \$2,400. Architect, private plans. Owner, Isadore Anghel, on premises. Brick, 1 story add., 10x10 feet, general alterations. Contract awarded to A. Suisman, 1838 East Airdrie street.

**Store (alts.),** 1213 Chestnut street, Philadelphia, \$2,500. Architect, private plans. Owner, Baily & Reyburn, on premises. Contract awarded to Basc & Co., 1426 South Front street.

**Bank (alts. and add.),** Broad and Passyunk avenue, Philadelphia, \$15,000. Architect, John W. Hughes, Nineteenth and Passyunk avenue, Philadelphia. Owners, American Bank, Thos.

S. Boyle, president, on premises. Brick, cut stone, 1 story, stone foundations, copper roof, composition floors, steam heat, electric light, tile and marble work, painting, glazing, plastering, mill work, etc. Contract awarded to H. D. Prettyman, 2603 South Broad street, Philadelphia.

**Residences (5),** 101-09 West Wentz street, Philadelphia, \$22,500. Architect, private plans. Owner, M. H. Riegel, 1818 West Huntingdon street, Philadelphia. Brick, 2 stories, 16x43 feet, hot water heat. Owner will build.

**Store and Storage,** Market and Redfield streets, Philadelphia, \$16,000. Architect, private plans. Owner, Leon Braker, 5820 Spruce street, Philadelphia. Brick, 3 stories, 16½x67 feet, hot water heat. Owner will build.

**Residence and Garage,** Catharine and Felton streets, Philadelphia, \$8,000. Architect, private plans. Owner, William J. Bayles,

Sixty-second and Catharine streets, Philadelphia. Brick, 2 stories, 16x50 feet, slag roof, hot air heat, garage, 1 story, 40x16 feet and 18x24 feet. Contract awarded to J. D. Fisher, 5426 Thompson street, Philadelphia.

**Residence (alts.),** 4910 Wynnefield avenue, Philadelphia. Architect, E. A. Wightman, 1213 Filbert street, Philadelphia. Owner, P. M. Keifaber, care of architect. Interior alterations, new partitions, hot water heat, tile work, cement work. Contract awarded to Geo. Kessler Cont. Co., Drexel Building, Philadelphia.

**Residence (alts.),** 2815 North Broad street, Philadelphia. Architect, E. A. Wightman, 1213 Filbert street, Philadelphia. Owner, S. B. Cooley, care of architect. Hardwood floors, hot water heat, electric lighting, tile work, plumbing, lighting fixtures. Contract awarded to Harry Brocklehurst, 512 West Norris st., Philadelphia.

## PENNSYLVANIA

### Construction News

**Residence,** Bethayres, Pa. Architect, Harry Parker, 129 South Fifth street, Philadelphia. Owner, Dr. William Sutch, 2528 North Sixth street, Philadelphia. Stone, 2½ stories, 20x40 feet, slate roof, hardwood floors, pipeless heating, electric lighting, tile work. Architect taking bids due September 23rd at noon. W. D. Bubeek, Abington, Pa.; Samuel Praul, Bethayres, Pa.; Joseph Ashby, Second Street Pike, Philadelphia; T. W. Fesmire, Glenside, Pa., are figuring.

**Residence and Garage,** Garret road, Drexel Hill, Pa. Architects, MacKenzie & Wiley, 1615 Walnut street, Philadelphia. Owner, J.

Milton Reed, Drexel Hill, Pa. Stone and plaster, 2½ stories, 28x40 feet, wing 14x18 feet, and 1 story, 19x22 feet, shingle roof, hardwood floors, stone foundations, hot water heating, electric lighting, tile work. Architect is taking sub-bids.

**Residence,** Drexel Hill, Pa. Architects, MacKenzie & Wiley, 1615 Walnut street, Philadelphia. Owner, Harry W. Koch, Drexel Hill, Pa. Stone, 3 stories, 36x46 feet, wing 12x40 feet, slate roof or asbestos shingle, hot water heat, electric lighting and equipment, tile and marble work. Architects taking sub-bids.

**Residence,** Drexel Heights, Pa. Architects,

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MacKenzie & Wiley, 1615 Walnut street, Philadelphia. Owner, J. Lynch, care of architects. Frame and plaster, 2 stories, 28x30 feet, shingle roof, hot water heat, electric lighting, hardwood floors, plumbing, plastering, painting. Architects will be ready for sub-bids in a week.

**Residence (alts. and add.),** Ardmore, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, Charles L. Gilliland, Ardmore, Pa. Interior and exterior alterations, new porches, slate roof. Architect is sub-letting. Contract for carpentry awarded to W. O. Springer, 1624 Latimer street.

**Residence,** Abington, Pa. Architect, William H. Wooters, 816 West Allegheny avenue, Philadelphia. Owner, Harry V. J. Valet, care of architect. Stone, hollow tile and stucco, 2½ stories, 24x42 feet, asbestos shingle roof, yellow pine and oak floors, hollow tile, stone foundations, tile and marble work (heating and electric work reserved). Architect and owner taking bids due as soon as possible. Specht & Sperry, Heed Building, and E. Allen Reeves, Abington, Pa., are figuring.

**Bridge,** Gapaseening Creek, Windham Township, Bradford County, Penna. Architect, George H. Dunham, engineer, Harrisburg, Pa. Owner, State of Pennsylvania, T. W. Templeton, Superintendent, Office of Board of Commissioners of Public Grounds and Buildings; State Capitol Building, Harrisburg, Pa. Owners taking bids due September 23rd.

**School,** South Side, Bethlehem, Pa. Architect, Verus T. Ritter, North American Building, Philadelphia. Owner, Board of Education, Bethlehem, Pa. Brick and stone, 3 stories, 150x270 feet, composition roof, metal lath, roof ventilators, stone foundations, steam heat, electric light, tile, marble and terrazzo work, hollow metal skylights, roof

ventilators, iron work. Owner has received bids.

**Fire House,** Drexel Hill, Pa. Architect, Edwin Grant Rorke, Drexel Hill, Pa. Owner, Garrettford-Drexel Hill Fire Co., Drexel Hill, Pa. Brick, cut stone and plaster, 2 stories, 38x68 feet, shingle roof, maple floors, stone foundations, iron work (heating and electric light reserved). Architect has received bids.

**Development Houses,** Nos. 3, 4, 5 and 6, Supplee Lane, Merion, Pa. Architects and Owners, Walter H. Thomas, Sydney E. Martin, Donald M. Kirkpatrick and John Graham, Jr., 130 South Fifteenth street, Philadelphia. Frame, stucco and shingle, 2½ stories, 24x35 feet, wing 14x17 feet and 22x37 feet, wings 6x15 feet and 9x14 feet, shingle roof, pine floors, hollow tile, stone foundations, hot water heat, electric light, tile work, iron work. Owners and architects have received bids.

**Memorial Bridge,** Harrisburg, Pa., \$1,200,000. Architect, A. W. Brunner, 101 Park avenue, New York City. Engineer, J. E. Greiner, Fidelity Building, Baltimore, Md. Owner, State of Pennsylvania, Board of Commissioners of Public Grounds and Buildings, L. W. Mitchell, Secretary, T. W. Templeton, Superintendent, Capitol Building, Harrisburg, Pa. Concrete, 80x2,687 feet. Owners taking bids due September 23rd at noon. Cramp & Co., Denckla Building; Arthur McMullen Co., Finance Building; John Goll Co., 1539 Filbert street; F. J. Boas, 201 North Broad street; J. F. Shanley, Jr., Commercial Trust Building; Hugh Nawn Const. Co., 1211 Chestnut street; D. L. Taylor & Co., Finance Building; Keystone State Const. Co., Franklin Bank Building; T. L. Eyre, Commercial Trust Building, all of Philadelphia; T. Cox Cont. Co., 154 Nassau street; The John Swenson Granite Co., 101 Park avenue; Rodgers Granite Corp., 271 West One Hundred and Twenty-fifth

street; P. J. Carlin Const. Co., 1123 Broadway; Raymond Concrete Pile Co., 90 West street, and Rockport Granite Co., 13 Park Row, all of New York City; Bates & Rogers Const. Co., 37 West Van Buren street, Chicago, Ill.; Mellon Stuart Co., J. F. Casey Co., Oliver Building, and Dravo Const. Co., Diamond Bank Building, all of Pittsburgh, Pa.; Walsh Const. Co., Davenport, Iowa; Hallowell Granite Co., Augusta, Me.; Bethlehem Steel Corp., Steelton, Pa.; Smith-McCormick, Easton, Pa.; Coleman Bros., 1 Marginal street, Boston, Mass.; T. Stuart & Son Co., Newton, Mass.; W. W. Boxley & Co., Roanoke, Va.; Empire Eng. Co., Inc., Baltimore, Md.; The Penna. Sales Co. and Ray S. Shoemaker, both of Harrisburg, Pa., and Central Const. Corp., Harrisburg, Pa., are figuring.

**Bank (alts. and add.),** Glenside, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owners, Glenside National Bank, Glenside, Pa. Stone, 2 stories, 22x22 feet, slag roof, oak floors, stone foundations, electric light, iron work (heating and plumbing reserved), hardware, stair work, carpentry and mill work. Architects taking bids due September 17th. Albert Zellfelder, 151 South Broad street; Specht & Sperry, Heed Building; J. E. Hauser, Glenside, Pa.; Linford Sperry, Glenside, Pa., and W. John Stevens, Inc., Wyncote, Pa., figuring.

**Residence (alts.) and Studio (add.),** Ardmore, Pa. Architects, Seeburger & Rabenold, Weightman Building, Philadelphia. Owner, S. S. Whitte, 3rd, Ardmore, Pa. Hollow tile and plaster, add. 22x42 feet, shingle roof, oak floors, hot air heating, (electric work reserved). Architects will be ready for bids in a few days.

**Dining Hall (add.),** Marcus Hook, Pa. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, American

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Viscose Co., Marcus Hook, Pa. Reinforced concrete, steel and brick. Architects taking bids due September 19th at noon. Warren-Moore Co., Colonial Trust Building; Melody & Keating, 1322 Race street; Barclay White & Co., 1713 Sansom street, Philadelphia, and William Provost, Jr., Chester, Pa., are figuring.

**Road Work**, various locations, Pennsylvania. Architect, private plans. Owner, State of Pennsylvania, State Highway Commission, Lewis S. Sadler, State Capitol Building, Harrisburg, Pa. Owners ready for bids due September 30, 1919, at 10 A. M.

Armstrong County, Route R-203, Gilpin Township, length 11,640 feet. One course reinforced concrete. Certified check \$2,000.

Bucks County, Route R-281, Falls Township and Morrisville Borough, length 9,577 feet. Bituminous surface course on a concrete foundation. Certified check \$1,000.

Cambria County, Route R-276, Croyle Township, length 6,634 feet. One course reinforced concrete. Certified check \$1,500.

Cambria County, Route R-53, Cresson and Gallitzin Townships and Cresson Borough, length 12,947 feet. Either one course reinforced concrete and Hillside vitrified brick or vitrified brick. Check \$2,000.

Centre County, Route R-56, State College Borough, length 5,326 feet. Vitrified brick. Certified check \$1,500.

Chester County, Route A-557 and A-558, New London and Franklin Townships, length 21,619 feet. One course reinforced concrete. Check \$3,000.

Chester County, Route R-147, North and South Coventry Townships, length 28,292 feet. Either bituminous surface course on a concrete foundation or one course reinforced concrete. Certified check \$4,000.

Clinton County, Route R-58, Flemington Borough, length 4,265 feet. Either bituminous surface course and Hillside vitrified brick on a concrete foundation, or one course reinforced concrete. Certified check \$1,000.

Crawford County, Route R-89, East Mead Township, length 18,514 feet. One course reinforced concrete and Hillside vitrified brick. Certified check \$3,000.

Delaware County, Route R-225, Marple and Springfield Townships, length 26,713 feet. Either one course reinforced concrete and Hillside vitrified brick or bituminous surface course on a concrete foundation and Hillside bituminous brick. Certified check \$4,000.

Erie County, Route R-88, Greene Township, length 21,109 feet. One course reinforced concrete. Certified check \$4,000.

Erie County, Route Auth. 396, Harbor Creek Township, length 11,207 feet. One course reinforced concrete. Certified check \$2,000.

Erie County, Route R-87, Northeast Township, length 18,421 feet. Either bituminous surface course on a concrete foundation or one course reinforced concrete. Certified check \$4,000.

Erie County, Route R-86, Girard Township and East Springfield Borough, length 19,100

feet. Either bituminous surface course on a concrete foundation and Hillside vitrified brick, or one course reinforced concrete and Hillside vitrified brick. Certified check \$4,000.

Fayette County, Route R-247, Franklin Township, length 19,214 feet. One course reinforced concrete and Hillside vitrified brick. Certified check \$3,500.

Fayette County, Route R-247, Dunbar Township, length 5,950 feet. One course reinforced concrete and Hillside vitrified brick. Certified check \$1,000.

Greene County, Route R-111, Centre Township, length 10,620 feet. One course reinforced concrete. Certified check \$2,000.

Greene County, Route R-256, Centre Township, length 12,581 feet. One course reinforced concrete. Certified check \$2,000.

Lancaster County, Route A-761, Colerain Township, length 19,618 feet. One course reinforced concrete. Certified check \$2,500.

Westmoreland County, Route R-68, Derry Township, length 11,121 feet. One course reinforced concrete. Certified check \$2,000.

Westmoreland County, Route R-68, Salem and Unity Townships, length 9,314 feet. One course reinforced concrete and Hillside vitrified brick. Certified check \$1,500.

Westmoreland County, Route R-68, Derry Township, length 32,047 feet. One course reinforced concrete and Hillside vitrified brick. Check \$4,000.

Westmoreland County, Route R-69, Delmont Borough, Hempfield, Salem and Washington Townships, length 57,688 feet. One course reinforced concrete and Hillside vitrified brick. Certified check \$4,000.

**Bridges**, various locations, Pennsylvania. Owners, State of Pennsylvania, State Highway Commission, Lewis S. Sadler, State Capitol Building, Harrisburg, Pa. No. 44, Armstrong County, Bethel Township, Route 203; No. 45, Armstrong County, Boggs Township, Route 66; No. 77, Crawford County, Summerhill Township, Route 295; No. 99, Susquehanna County, Harmony Township, Route 227; No. 101, Susquehanna County, Oakland Township, Route 10; No. 102, Venango County, Cranberry Township, Route 91; No. 107, Wyoming County, Lemon Township, Route 12; Sullivan County, Davidson Township, Route 19; Fayette County, Vanderbilt Borough, Route 247. Owners ready for bids due October 3rd, 1919, at 10 A. M. Certified check of \$100.00 required. Plans \$2.50 per set.

**Garage**, Drexel Hill, Pa. Architect, Frank V. Nickels, 4400 Main street, Philadelphia. Owner, Edw. B. Friel, Drexel Hill, Pa. Hollow tile and stucco, 1 story, 20x24 feet, slate roof, cement floors, stone foundation, steam heat, electric lighting. Owner is ready for sub-bids.

## Pennsylvania Contracts Awarded

Residence (alts.), Lansdowne, Pa. Architects, Heacock & Hokanson, Bailey Building,

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Philadelphia. Owner, W. Vernon Phillips, Lansdowne, Pa. Stone, 2½ stories, 20x30 feet, shingle roof, oak floors, stone foundations, hot water heat, electric light, tile work. Contract awarded to J. Sims Wilson Co., 1125 Brown street, Philadelphia.

**Residence (alts.),** Bryn Mawr, Pa. Architects, Haas & Kleeman, 10 East Forty-third street, New York City. Owner, Mrs. Lillian Ryan, Bryn Mawr, Pa. Stucco, 2½ stories, metal lath, plastering, carpentry, hardware, steam heat, electric work, mill work, plumbing. Contract awarded to H. E. Grau Co., 1709 Sansom street, Philadelphia.

**Residence,** Merion, Pa., \$25,000. Architect, C. A. Ziegler, Bailey Building, Philadelphia. Owner, C. A. Wentz, Land Title Building, Philadelphia. Stone, 2½ stories, 30x45 feet and 16x18 feet, shingle roof, oak floors, stone foundations, electric lighting, tile and marble work. Contract awarded to A. L. Fretz & Son, Heed Building, Philadelphia.

**Residence and Garage,** Merion, Pa. Architects, Seeburger & Rabenold, Weightman Building, Philadelphia. Owner, Mrs. Samuel McCreary, Merion, Pa. Stone, 2½ stories, 33x85 feet, slate roof, oak floors, stone foundations, vapor heating, electric lighting, tile and marble work. Contract awarded to Chas. C. Pace, Merion, Pa.

**Cottage,** Torresdale, Pa. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owner, Mrs. C. W. Middleton, Torresdale, Pa. Frame and shingle, 2 stories, 25½x21½ feet, hot air heat. Contract awarded to Horace M. Freas, Andalusia, Pa.

**Residence,** Ardmore, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Granville B. Hopkins, Ardmore, Pa. Stone, 2½ stories, 32x85 feet and 20x25 feet, shingle roof, oak and cement floors, stone foundations, electric lighting, tile work, iron work (heating, plumbing and lighting fixtures reserved). Contract awarded to J. E. Kearney, 34 South Seventeenth street, Philadelphia.

## New Jersey Construction News

**Ice Manufacturing Plant,** Camden, N. J. Architect, Waldermar Mortensen, 209 South Seventy-sixth street, New York City. Owners, American Ice Co., Sixth and Arch streets, Philadelphia. Brick and steel, 1 story, 65x220 feet, slag roof, cement floors, stone foundations, waterproofing, iron work (heating and electric work reserved). Owners taking bids, due September 20th. P. Haibach Cont. Co., Twenty-sixth and Thompson streets; H. E. Baton, 1713 Sansom street; Monaghan & Losse, Inc., 3016 Chestnut street, Philadelphia, are figuring.

**Residence,** Riverside avenue, Trenton, N. J. Architect, Wm. Klemann, First National Bank Building, Trenton, N. J. Owner, R. N. Burkert, Riverside avenue, Trenton, N. J. Hollow tile and frame, 2 stories, 26x26 feet 8 inches, concrete foundations, slate roof, steam heat, electric light, tile work. Plans in progress.

**Garage,** South Broad street, Trenton, N. J. Architect, J. O. Hunt, 114 North Montgomery street, Trenton, N. J. Owners, Necht-Ertel Motor Co., South Clinton street, Trenton, N. J. Brick, 2 stories, 175½x60 feet, concrete foundations, slag roof, reinforced concrete floors, steam heat, electric light, rolled steel

sash, rolling steel skylights, plate glass. Architect taking bids, due September 19th. Chares Barlow, Samuel Wiley, James Morris, Charles Smith, Burton & Burton, I. H. Clayton, F. R. Parker, and Mather & Sons, all of Trenton, N. J., are figuring.

**Bakery,** Pennington and Brooks streets, Trenton, N. J. Architect, J. O. Hunt, 114 N. Montgomery street, Trenton, N. J. Owners, Wm. Freihofer Baking Co., Trenton, N. J. Brick and concrete, 3 stories, 185x142 feet, concrete foundations, slag roof, tile and concrete floors, hollow metal sash and skylights, roof ventilators, waterproofing, steel metal work (heating, plumbing and electric work reserved). Architect taking bids, due September 24th. Chas. Y. Barlow, Burton & Burton, J. H. Morris Co., Mather & Son, Chas. Smith, F. R. Parker, all of Trenton, and H. P. Schneider, 3713 Old York Road, Philadelphia, are figuring.

**Garage,** West State street, Trenton, N. J. Architects, Wm. W. Slack & Son, St. Regis Theatre Building, Trenton, N. J. Owner's name withheld. Brick and stucco, 1 story, 36x32 feet, stone foundations, slate roof, concrete floors, electric light. Architect taking bids, due September 20th. Chas. Smith, J. H. Morris Co., Chas. Y. Barlow, Burton & Burton, W. R. Ivins, I. H. Clayton, all of Trenton, N. J., are figuring.

**Residence,** Caldwell Heights, N. J. Architects, Fowler & Seamson, Broad Street Bank Building, Trenton, N. J. Owner, S. Urken, South Clinton street, Trenton, N. J. Hollow tile, stucco, 2½ stories, 60x70 feet, stone foundations, tile roof, hardwood floors, hot water heat, electric light. Architects taking bids, due September 25th. Fred Parker, S. W. Mather & Son, and Stephen Deiknirt, all of Trenton, N. J., are figuring.

**Residence,** Ventnor, N. J. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owner, W. J. Montgomery, Ventnor, N. J. Shingle, 2 stories, 52x60 feet, shingle roof, oak floors, vapor heat, electric lighting, tile work. Architect taking bids, due September 24th. Standard Const. Co., 1713 Sansom street; Wm. C. Wright, 22 Harvey street, Germantown; Philip G. Hannum, 16 North Georgia avenue, and J. Mather & Son, Guarantee Trust Building, Atlantic City, N. J., and Chas. D. Thompson, Pleasantville, N. J., are figuring.

**Residences,** 21, 23, 25, 27 Elmhurst street, Trenton, N. J., \$14,000. Architect, private plans. Owner, W. J. Morris, Trenton, N. J. Brick, 2½ stories, slag roof, pine floors, steam heating, electric lighting. Owner will build.

## New Jersey Contracts Awarded

**Power House (alts.),** Camden, N. J. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Victor Talking Machine Co., Camden, N. J. Foundations for generator and steel columns. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

**Store (alts.),** 7 South Eighth street, Philadelphia, \$1,500. Architect, private plans. Owners, United Eyeglass Storage Corp., 1393 Broadway, New York City. Interior alterations, yellow pine floors. Contract awarded to Ketcham & McQuade, 1029 Brown street, Philadelphia.

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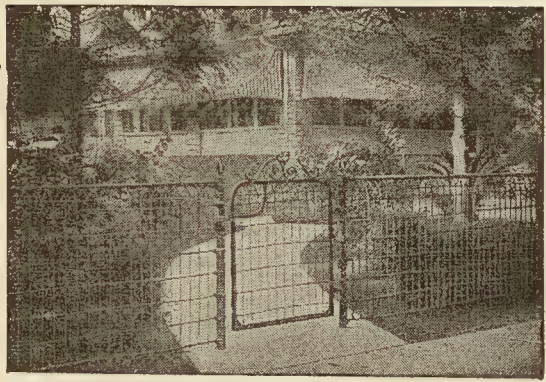
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**Proposals****INVITATIONS FOR PROPOSALS.**

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 2, 1919. Sealed proposals will be opened in this office at 3 P. M., September 30, 1919, for furnishing the labor required in the construction, complete (including heating, plumbing, electric conduits, and wiring), with materials that will be furnished by the Government, for senior medical officers' quarters, attendants' quarters, tuberculosis pavilion, and approaches, for the United States marine hospital at Boston, Mass. Drawings and specifications may be obtained from the custodian, or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 3, 1919. Sealed proposals will be received at this office until 3 P. M., September 24, 1919, and then opened, for constructing, complete, a new boathouse for the United States Quarantine Station at Reedy Island, Del., in accordance with the specifications and drawings, copies of which may be obtained from the custodian of the station or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**AS THE EDITOR SEES IT**

(Continued from Page 564.)

ly established in the customs of trade, commercial interest and investments having taken firm root in the economic life of the nation, there could evidently be a marked impairment in the usefulness of the main trade routes without entailing a serious result.

"It is impossible by any powers of mathematics to demonstrate whether or not such a thing as the 'concentration of business and banking interests in the port area' could be a dominant influence in the ranking of a port. The values are relative, not absolute, and can, therefore, only be approximated by inductive reasoning. The whole question of the ultimate toll is governed by the position and availability of the trade route and not by the will of man.

"Albert Fink clearly showed that rates were affected by the Erie Canal and by the railways, each in the measure of their economic powers. New York reaped a benefit from its cheaper canal rate and Philadelphia profited from its shorter rail carry and all attempts to obliterate these differences by arbitrary understandings between financial interests, or by the improvement of harbor equipment, always led to failure.

"A splendid natural harbor has all too often been accepted as the main reason

for the pre-eminence of a port; and this is all the more curious as the evidence to the contrary is there for all who choose to read. The sole requirement is the possibility, by any artificial means, to adjust the harbor to the needs of commerce. We have but to name some of the world ports to recognize that their greatness bears but little relation to the natural features of their harbors.

"Insofar as the natural trade route is made available by artificial means the element of human error is introduced and must be taken into account. A fault of judgment, the selfish interest of a corporation, the rivalry of a city,—any one of these causes might be powerful enough to nullify completely the usefulness of a route by diverting its traffic to a rival port. A moderate amount of new construction, when it affects a trade route, has sometimes wrought amazing transformations in the commercial life of a city.

"Had the topography of Eastern New York State differed but slightly from that which it now is, the Erie Canal might have sought the esea by descending the Delaware rather than the Hudson, and Philadelphia would have become the great city of the Eastern Hemisphere. It is easily conceivable that the choice between the two routes might have turned on a matter of a cut or a fill, showing how the fate of great cities may hang upon a pitifully small accident of ground,—or upon the prejudice of an engineer.

"Although the time given to the discussion of the major and minor reasons for a port has been all too short, yet it has been demonstrated that these two classes of reasons do exist and that the greater will prevail over the lesser.

**THE POSITION OF THE ROUTE AS IT  
AFFECTS THE PORT.**

"Secondary considerations being dependent on the main ones, the most expeditious way to increase the volume of commerce is to first increase the usability of the route. Fortunately, the quantity of freight passing within a few miles of Philadelphia on its way to and from tide water is large enough to monopolize the present facilities of the harbor, and our task is merely to make the line available.

"The principle of competition governed the scheme of the railway net of Philadelphia. The result has been economic waste to the public, and yet under the circumstances governing their construction the railways had no choice but to do as they did.

Building Lime—Buy pure lime, no core, no grit—Chemical Lime. **DAVID FRANCE CO.,**  
Tasker Street Wharf, Delaware River, Phila. Both 'phones.



"Ripley well says that 'Economic waste in transportation is like a bargain counter. People buy for less than cost and the railways sell for more than it is worth.'

"A. M. Wellington in his great work on the economic theory of railway location says: 'It is commonly assumed that if the railway does not go to the traffic the traffic will come to the railway; but,' he adds, 'the assumption is both dangerous and fallacious.' An elaborate chart presents the fruits of his personal experiences, showing that the amount of transportation business transacted with any town decreases from its possible maximum to the vanishing point in proportion as the station is placed more and more distant from the town, and that the ratio of loss is geometric. The first unit of distance may be responsible for a loss of from 10 per cent. to 25 per cent., depending upon the character of traffic and population. The tables are offered by the author with all possible reserve, and naturally cannot be applied to a specific case without modification. But, nevertheless, the theory is sound, and in dealing with such an important question a rule which approximates correctness is better than no rule at all.

"Wellington's law, expressed in terms of our own problem, would state that *as the distance increases between the freight center and the wharf the volume of business decreases in a geometric ratio.*

"The possibility of reducing the fatal distance is alone of interest.

"The points on the North Atlantic coast where the greatest water and land highways meet are at New York and Philadelphia.

"Of the two New York is by far the more important. Its parallel water and rail lines extend to the west, the east and north, and a magnificent harbor affords an ample meeting place or forecourt, where merchandise may be exchanged and transshipped. It is quite true that the coastal water lines, especially the one to the south, would be vastly more efficient if they pursued an inside route. But in a comparatively few years that public improvement must be carried through, and for our present purpose it can be regarded as already existent.

"The commercial prosperity of the city is dependent primarily on its lines of communication, although too often secondary influences, from the mere fact of their obviousness, are assessed at an inflated value.

"Philadelphia's situation is in many ways the same as New York's. Their lines of communication differ only in the details of distance and availability, but not in their general direction nor in the

## There is a Difference



between installing a water supply system and just digging holes in the ground.

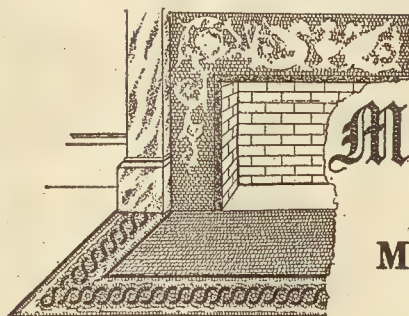
It doesn't pay to have an expensive Artesian system put in by an inexperienced well driller or graduate plumber. His lack of technical knowledge and paucity of experience usually means a water supply system that will sooner or later have to be overhauled—and probably at a higher figure than the cost of the right system would have been in the first place.

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territory to which they extend. When the tide water canal from the Delaware River to the mouth of the Raritan River is completed, Philadelphia and New York will share the same water line to the East and the West, an extra distance of 90 miles being chargeable to Philadelphia. However, that handicap will be compensated for to some extent by reason of the fact that the opening of water line to New York will inevitably stimulate inland water-borne commerce to the South, and Philadelphia will then enjoy the same advantage of nearer distance to the Southern markets as New York now does in respect to the Western and Eastern market.

"In its rail lines, however, Philadel-

phia should be better served than New York, but the advantage of position is not utilized. Railroad freight enters Philadelphia through the back door in an unobtrusive, almost apologetic way, while in New York a front door of maximum convenience and amplitude is provided for all visitors. The commerce is ready made at our hands. A very large proportion of export and import trade handled in New York passes through the Philadelphia district. While it is quite true that a very considerable business with foreign countries now being transacted in New York would seek Philadelphia if the port increased its secondary advantages, yet the one thing to be done, the only thing in fact which will have any real bearing on the situation, is to allow commerce which is rightfully Philadelphia's to flow through her port.

"The man who in the conduct of his business uses a machine, or a wharf, or a factory, knows that the physical arrangement of the plant, be it good or bad, will affect his annual report.

"A city or a port, in its commercial aspects, is an entity, composed of a great number of business enterprises. The part and the whole are governed by the same economic laws. How then can the city prosper when violating the laws which determine the very existence of its component parts? The port seeks to act as an individual, and as such issues its claims for consideration. It competes with other ports through the organized and united action of its citizens. How can it expect to succeed, handicapped by a hopelessly inferior plan?

"The schematic map of Philadelphia's freight railway system shows that the railways are today evading Philadelphia as the canal evades New York in the hypothetical example.

"Wellington's law, touching the very heart of the matter, is so important that it will bear restating. It says that traffic will seek the transportation agency only to a limited extent, its volume diminishing in a geometrical ratio to the obstacles of distance and inconvenience thrown in its path.

"The awkwardness and impossibility of the plan itself is the main reason why Philadelphia is not a great port. *The railways by-pass it.*

#### THE REMEDY.

"Philadelphia can only be reclaimed from its position of mediocrity by the creation of new lines of water communication and in the readjustment of the main lines of land communication.

"The port cannot hope to attain to its full growth until the Delaware and Raritan Canal and the Delaware and Ches-

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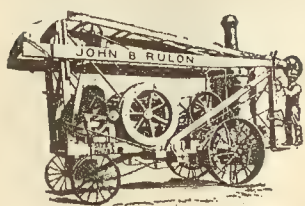
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peke Canal are completed. (A report published by the Intracoastal Waterway Commission furnishes maps, estimates of cost and a fund of most interesting information on the subject.)

"Having established direct communication with the Great Lakes and the South by water and by land, the next essential to the port is an adequately equipped freight yard with a harbor frontage located at the strategical point.

"This point is Hog Island. By a piece of good fortune the ideal location has been endowed through the necessities of war-time shipbuilding with a great number of huge docks, many of which, with their incidental construction, can be used in the business of shipping.

"The harbor awaits its commerce!

"The supporting freight yard, the place of exchange for land and maritime goods, will lie immediately behind the water front.

"Almost without grade, about 4000 acres in extent, it will have three gateways, one to the south, one to the east and one to the west. Freight to and from the west must use Frazer as a junction and a direct line 20 miles long from that point will lead to Hog Island. Schuylkill Valley freight will be taken from Phoenixville over existing lines to Frazer, from where it also can run to Hog Island.

"This being accomplished, water and rail freight will meet on economic ground, easily and naturally. The main frame work of the plan, without which all else is waste effort, will have been established. In its logical and inevitable development the new freight yard should have a direct connection with the water front belt line of the city proper. By means of an electrically operated tunnel under the Delaware River it should establish direct rail communication with all the vast manufacturing industries on the New Jersey side. Once this link is made, the obvious freight movement between the South and New York would be on the eastern side of the river, abandoning the circuitous and costly passage through West Philadelphia.

"In passing from words to deeds, there is a field of action reserved to the various localities and trade bodies interested. There is no substitute for public spirit. Local initiative is necessary to communal prosperity. The disposition to look continually for outside aid leads inevitably to civic dry rot.

"There is also a duty involving on the national government acting through the departments of waterways and railways.

"A port is a national enterprise, wielding an influence on the economic exist-

ence of millions of human beings living outside of the confines of the port itself. The national government has always exercised control over tidal waters; it has now, temporarily at least, taken over the railways, and it cannot escape the responsibility of its own acts.

"But in order that there may be a commencement of doing it is incumbent on our citizens, acting as individuals and as associations, to present to the competent authorities all of the ascertainable evidence.

"For it is clear that in whatever it is our duty to act, those matters also it is our duty to study."

#### THE SECRET OF GOOD BUILDING

Great works of architecture, cathedrals, palaces, town halls, cannot be good where the mass of building is bad. Architecture is only building become conscious of its beauty, and where building is not beautiful that consciousness, and so architecture, is impossible. For a building is not merely a design, it is materials; and there must be a certain general skill and aptitude in using them if the designer himself is to find expression for his design. But this skill and aptitude come with the love of building; they come where men build houses, not only for shelter or gain, but to express themselves, their own taste and enjoyment, as women try to express these things in their clothes. In fact, happiness is the secret of building, and so of architecture. Look at any fine old house in town or country, and you will find that what really pleases you in it is not its conscious art, but the thought that it is a place to be happy in, that those who built it must have been happy. And so it is with beautiful towns. What we enjoy in them is the sense of a desirable state of being, shared and expressed in common; and often there is sadness in our enjoyment because this state seems to be in the past. We ourselves, and the very inhabitants, are strangers to it; for we cannot make it now, we can only gaze at it and wonder.

It is not that we are peculiarly unhappy, but we have lost the power of expressing happiness in building, as we have lost the power of folk-song. Our artistic houses can only imitate the expressed happiness of the past by a conscious effort. Mouldings now are something added and copied, they are not done naturally and fitly; they express ambition rather than affection. And bow-windows are just bow-windows, not belvederes for happy people to look out into a pleasant street. As for streets, we never expect new ones to be pleasant; we

never dream that we might get happiness by walking along them. We preserve beautiful old villages like curios; anything modern would ruin them; and why? Because it would jar upon their past happiness. Artistic cottages among those plain old ones would look restless, self-conscious, anything but happy. We talk about art, but it is not really art that we desire and miss; it is not modern Gothic cathedrals or Palladian town halls; it is the old unconscious kind of building that has the good manners of the heart. And the cathedrals and town halls, in a city where there is not that kind of building, are but the restless swagger of bad manners. They are splendors of architecture that have not been earned by good building first, splendors amid squalor, jewels worn on rags.

We are trying now to build better houses, and they are far better than the houses of thirty years ago; but the best of them are still exceptional, self-conscious, often pharisaic in their effort not to be as other houses are, and, unlike the old houses, most of them are conceived, not from the inside outwards, but from the outside inwards. It is their features that they depend on for their effect. Any good architect will tell you that, if he designs a plain, good house like the old ones, his client, looking at the drawing, will complain that it is too plain. He expects features to show that his house is artistic, and features designed from the outside. He does not wish his house to be like a happy face securely expressive of what is within. But, as we cannot have good cathedrals and town halls unless first we have good houses, so we cannot have good houses of the larger kind until the ordinary run of cottages and small houses is good. The basis of all good building is the houses that ordinary people live in; and now it is, finally, the jerry builder who makes architecture an artificial, almost impossible, art. For the great mass of small houses now are built as commercial speculations—built to let, not to live in. The builder does not think of them as homes; they are to him no more than so many bars of soap to a grocer. How, then, can he be expected to express any kind of happiness in the building of them?

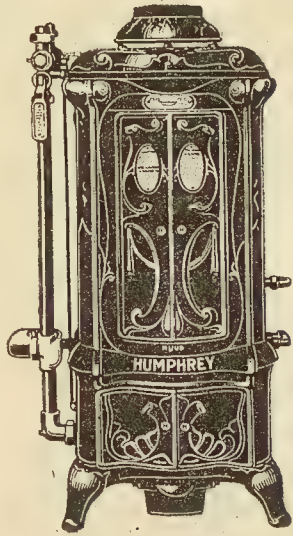
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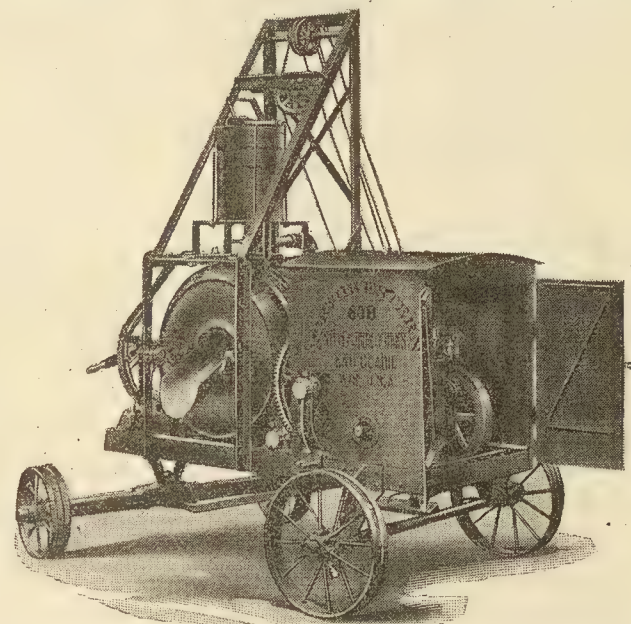
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Morris Wheeler & Co.30th and Locust sts., Phila.

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Caskey & Keen, Inc...6th and Berks sts., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
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| Capital .....                  | \$ 4,000,000.00 |
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Vol. XXXIV., No. 39  
September 24, 1919

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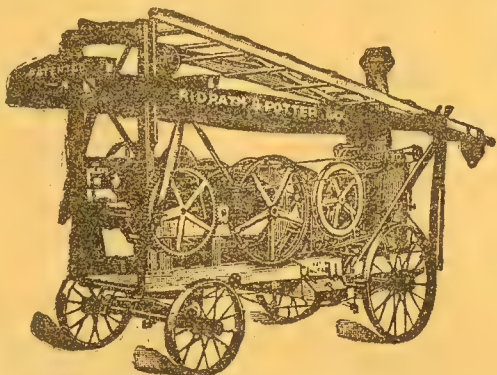
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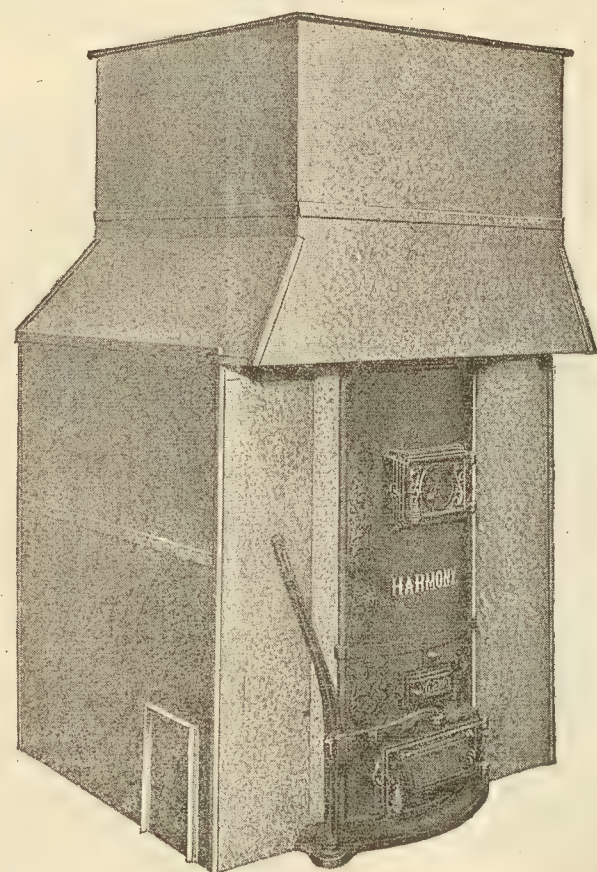
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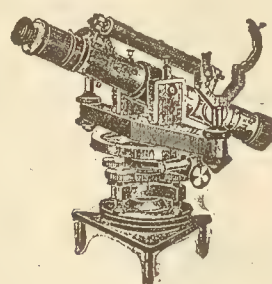
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VOLUME XXXIV  
Number 39

PHILADELPHIA  
September 24, 1919

## BUILDERS' GUIDE

OFFICES, PERRY BUILDING (Suite 824-825-826)  
Sixteenth and Chestnut Sts., Philadelphia, Pa.

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BY

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## As The Editor Sees It



**I**NCREASED production is the cry of the hour—it is, indeed, the only answer to conditions existing in this country today. At the present time there is practically no foreign competition to worry about, but such a state of affairs will not last indefinitely, and America is totally unprepared to compete with foreign prices—perhaps when it is too late Labor will recognize where it might have helped meet these conditions.

The editor of *Manufacturers' News*, says that organ, last week received a letter from a business man in Munich, Germany. The writer dwells at length upon the impoverished condition of the country, but finds consolation in the fact that the wage earners, with the exception of a small minority of Spartacans, are determined to restore the nation to prosperity by increased industry.

"Throughout industrial Germany," he writes, "there is no agitation for lessened hours of work. Mechanics, shop men and agricultural labor are determined to speed up industry. Wage problems, although urgent, are not considered paramount and have been deferred for final adjudication. Just now everybody feels that if Germany expects to come back, it must return by way of hard and sustained labor."

In contrast to this situation in Germany come reports in this country like that of the lumber industry, in which the shortage and inefficiency of labor is everywhere felt. Not only strikes in the mills and camps themselves, but unsettled

transportation facilities caused by threatened railroad strikes and other labor difficulties are potent causes of low lumber production. Labor is scarce in many sections, and, worse than this, producers say it is almost impossible to get men to turn out as much work today as they did a year or two ago. In some quarters it is a rare thing for a number of men to remain in one mill for a long period. Dissatisfaction over the merest trifle is taken as an excuse for quitting and the employer is helpless. Because of these labor difficulties and other high cost of production, some mills are not very active, and this, at a time when greater production is everywhere urged and needed, is a deplorable fact. In some southern sections the labor situation is reported as easing up, but the class of labor is practically nowhere as good as it was before the war. Men who left the lumber mills and camps for the army are not returning to their places, on demobilization, in as great numbers as was hoped for and expected.

Such conditions are not confined to any one industry, but exist among working people in every industry. Without cooperation on the part of labor the employers and manufacturers are helpless to increase production, and increased production is essential today in lowering prices and restoring business to more normal conditions.

For want of training, the output of practically 7,000,000 of the 10,000,000 workers in manufacturing in the United States is said to be equal to an average

production of less than 50 per cent. of what it can be made by proper training. In view of this and of the imperative need for greater production, it is encouraging to note that the Department of Labor is contemplating a United States Training Service that will furnish manufacturers with training courses which will show their employes how to get increased production. By the use of proper methods, it is said that the lumber production of the country can be doubled. In a sawmill there are not many jobs that require trained men, but if every one who piles or handles lumber could handle two boards at a time instead of one the work would be speeded up materially. That lumber production can be speeded up wonderfully in the hands of trained men is evidenced by the record of a mill in the Adirondacks at Tupper Lake, New York. Here expert sawmill men in their summer season alone equal the output of lumber that would be considered a full year's work for most plants. Some days ago this crew cut 2,303 spruce logs in nine hours and twenty minutes, two saws making the cut on an eight-foot band mill running 10,500 revolutions a minute. The logs were all spruce from 12 to 16 feet in length; no cut was made over 10 inches in width and all were cut to one and one-quarter-inch lumber. This is said to be a world's record and is a matter of great pride, not only to the men and the mill, but to the town as well.

At the "Our Country First" Conference held in Chicago last week, labor con-

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ditions and demands received the bulk of attention. An outstanding principle evoked by the speakers was that labor is organized, labor is ready to fight for its rights or for more, but that the manufacturers of this country and the farmers are not organized as they should be. It was pointed out that it is no longer good policy to point the finger of blame at labor for being effectively organized, but that it is good policy to organize to cope effectively with labor.

Mr. Charles Piez, president Link Belt Company, Chicago, formerly head of the Emergency Fleet Corporation, put the labor problem in the introduction of his speech as follows:—

"During the most prosperous period in our history, with the highest wages ever paid, with abundant opportunities for employment, with a universal public acknowledgment of labor's rights to a fuller and better life, and with an Administration and a Congress most responsive to labor's demands, we are confronted with a spirit of unrest which threatens the foundation of our social and political, as well as our industrial, structure.

"The great war brought with it such an enormous demand for labor that privileges and concessions that had been the subject of controversy for a generation were granted without hesitation simply to insure that continuity of industrial processes necessary to victory. For it was victory we were after, even though we had the sacrifice industrial efficiency—yes, the very industrial system itself to win it.

"Our problem was output regardless of cost and we got it at the sacrifice of those safeguards and restrictions which competition usually imposes on the management of business. Is it strange that with the unlimited opportunities opened up to labor by the war it should have become conscious of its political power and its economic strength? Is it strange that labor should decline to surrender any advantage gained by the war, but should press for the control of industry itself?"

Mr. Piez attacked the Plumb plan as a step of labor for this control. The "open shop," he stated, is necessary to the public interest, and pointed out that the restriction of production and the "strike" justified opposition to the labor union.

As against democratization of industry, Mr. Piez states, "I am not at all impressed with the idea that by democratizing industry, we can solve labor difficulties and maintain the health and standard of the enterprise as well. Competitive industry isn't a sociable or charitable affair, it is a conflict and leadership is required to bring success . . . Democratization which goes so far as to inject a foreign and discordant element into the management of an industry, that reduces and

splits up the authority of the executive, will either kill industry or reduce it to so moribund a condition that it will have to be kept alive at the public expense."

Mr. Piez also deprecated governmental operation and profit sharing and taking labor into partnership.

Profit sharing usually means dividing to the deserving and undeserving alike. Mr. Piez does favor a plan which contains the principle of higher wages for employees who earn them, and he stated, "And yet I am strongly convinced that a pecuniary interest by the employees in an industry is a good thing, providing that interest is paid for."

The resolutions passed as a result of this two-day "getting together" embrace the following salient points:

Government activity being reduced to the smallest scope at the earliest moment is called for. Further appropriation for maintenance of the United States Employment Bureau is opposed. Resumption of railway development is called for and re-establishment of private operation favored. Price fixing is gone on record against, specifically any which does not first give to the farmer his cost of production and a reasonable profit.

The sixth resolution asks for clarification of existing statutes (Sherman and Clayton Acts) and the acquisition of expressed right by both State and Federal laws for farmers to buy, sell, and bargain collectively concerning their own products, without fear of prosecution.

The resolution bearing on production and attendant labor regulations recognizes freedom for both employers and employees to associate separately or jointly, but demands that any employer or employee who does not wish to associate must be protected in his fundamental individual right to enter a contractual employment relation.

This section for legalization of the "open shop" is followed by:

"No voluntary combination of employers, employees or both, organized for common purpose and action in respect to the employment relation should in the public interest be permitted unless it accept legal responsibility for its actions and those of its officers and agents."

Demand is made for restraining public servants from instituting concerted action by strikes or lockouts. Repeal of the so-called Tavenner amendment is called for.

In the ninth resolution referring to our position as creditor nation, reciprocal buying of foreign goods is urged.

"Our prosperity has automatically built up against us an obstacle which has the excluding effect of a protective tariff not of our making. It tends to retard the exportation of foodstuffs and materials for reconstruction essential to the relief of European countries and discourages the

foreign trade in American goods essential to the employment of our workmen and the prosperity of our industries. This conference, therefore, urges upon our Government the need of using its resources for establishing rates of exchange and upon investors the desirability of giving fair and careful consideration to offerings of foreign investments. We urge American business men to encourage reciprocal buying of foreign goods so far as is consistent with the welfare of American trade."

The resolutions protest against un-American teaching in colleges and schools, and the clause in the League of Nations establishing an international bureau of labor is disapproved.

All live men are advertisers, and the only man who should not advertise is the man who has nothing to offer to the world in the way of human service, and such a man is a dead one, whether he knows it or not. Advertising is a legitimate and ethical proposition. Life is too short for you to hide yourself away, mantled in your modesty, and let the world hunt you out. Even the dead are advertisers, for on visiting a beautiful cemetery the other day, I noticed that on nearly every marble slab was given a list of the virtues, talents and beautiful qualities which the dead man was supposed to have carried in stock. This is what you call non-productive advertising, or advertising from an emotional standpoint.—Elbert Hubbard.

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# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING;  
CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Factory**, Philadelphia, Pa. Architect, P. P. Elkton, Ardmore, Pa. Owner, name withheld. Brick and concrete, 1 story and basement, 180x130 feet and 80x144 feet, slag roof, floors undecided, steam heat, electric lighting, rolled steel sash and skylights, kalamein and hollow metal doors, roof ventilators, ornamental iron work. Plans in progress.

**Bungalow**, Oak Lane, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Clarence Sternberger, 3723 North Nineteenth street, Philadelphia. Stone, 1 story, 45x60 feet, slate roof, oak floors, hot water heat, electric lighting. Plans will be ready for bids in one week.

**Rectory**, Overbrook, Philadelphia. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owner, Memorial Church of St. Paul, Overbrook, Pa. Stone, 2½ stories, 40x51 feet, wing 13x19 feet, slate roof, pine and oak floors, stone foundations, steam heat, electric light, cork tile floors, iron work. Architect taking bids due September 25th. F. E. Wallace, 1220 Chancellor street; Milton Y. Young, Overbrook; Charles C. Pace, Merion, Pa., is figuring.

**Residence**, Chestnut Hill, Philadelphia. Architect, H. L. Duhring, 1218 Chestnut street, Philadelphia. Owner, Charles A. Potter, Jr., Chestnut Hill, Philadelphia. Stucco, 2½ stories, 29x36 feet, shingle roof, oak floors, stone foundations, hot water heating, electric lighting, tile work. Architect has received bids.

**Office Building (alts.), Tower Fire Escape and Bridges**, 1315 Spruce street, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Engineers' Club, on premises. New tower fire escape and bridges, interior alterations. Architects taking bids due September 24th. Wark & Co., 1737 Filbert street; Smith-Hardican Co., 1606 Cherry street; Ketcham & McQuade, 1029 Brown street, are figuring.

**Store Building (alts.)**, Eighth and Girard avenue, Philadelphia. Architect, H. Childs Hodgens, 130 South Fifteenth street, Philadelphia. Owner, Max Hawtof, Eighth and Girard avenue, Philadelphia. Brick and steel, 4 stories, Johns-Manville roof, oak floors, stone foundations, tile and marble work, fire escapes, iron work, painting, glazing, hardware, sheet metal work. Owner and architect taking bids due September 26th. J. M. Yardley, 1716 Sansom street; B. Bornstein, 1512 North Franklin street, and Smith-Hardican Co., 1606 Cherry street, are figuring.

**Mill Buildings (3)**, Venango street, J to K streets, Philadelphia. Architects, William Steele & Sons Co., Sixteenth and Parkway. Owner, Boger & Crawford, on premises. Reinforced concrete, ornamental terra cotta and brick, storage building, 1 story, 97x130x195 feet, manufacturing building, 1 story, 70x164 feet, mercerizing building, 1 story, 78x60½ feet, slag roof, cement floors, electric lighting,

steam heat, concrete foundations, safety treads, roof ventilators, dampproofing, marble and terrazzo work, rolled steel sash, kalamein and rolling steel doors, iron work. Architects taking sub-bids.

**Mill Building**, Third and Cambria streets, Philadelphia. Architects, William Steele & Sons Co., Sixteenth and Parkway, Philadelphia. Owners, Folwell Brothers & Co., Inc., on premises. Brick and reinforced concrete and stone, 5 stories, 249x101 feet, slag roof, cement and maple floors, steam heat, electric light, tile, marble and terrazzo work, rolled steel sash, metal clad, tin lined, kalamein and steel rolling doors, iron work, hollow tile, safety treads. Architects are taking sub-bids.

**Manufacturing Building (add.)**, Northwest Corner Nineteenth and Westmoreland streets. Architects, William Steele & Sons Co., Sixteenth and Parkway. Owners, R. H. Hood Co., Inc., 1842 Germantown avenue. Reinforced concrete, brick, steel and stone, 2 stories and 1 story, 97x78 feet, slag roof, composition and cement floors, hollow tile, elevators, safety treads, steam heat, electric lighting, rolled steel sash, hollow metal skylights, kalamein, steel rolling, tin lined and metal clad doors, dampproofing, iron work. Architects taking sub-bids.

**Garage**, Twelfth and Cambria streets, Philadelphia. Architects, Clark & Dudnick, Drexel Building, Philadelphia. Owner, J. W. Vandegrift, care of architects. Brick and steel, 2 stories, 57x176 feet, slag roof, concrete and pine floors, metal lath, stone foundations, steam heat, electric lighting, rolled steel sash, (1) elevator, roof ventilators. Architects have received bids.

**Dwellings**, Curtin street, East of Twenty-second street, Philadelphia, \$1,800. Architect, private plans. Owner, John MacQueen, Northeast Corner Twenty-second and Curtin streets, Philadelphia. Brick, 2 stories, 10x32 feet, 13x12 feet, slag roof, hot water heat. Owner will build.

**Dwelling**, Sherwood street, West of Sixty-third street, Philadelphia, \$22,000. Architect, E. Allen Wilson, 1218 Chestnut street, Philadelphia. Owners, Steltz & Maloney, 1208 Chestnut street, Philadelphia. Brick, 3 stories, 37 feet 10 inches x23 feet and 33x32½ feet, slate and slag roof, hot water heat. Owner will build.

**Dwellings (4)**, Sherwood road, West of Sixty-third street, Philadelphia, \$56,000. Architect, E. Allen Wilson, 1218 Chestnut street, Philadelphia. Owners, Steltz & Maloney, 1208 Chestnut street, Philadelphia. Brick, 3 stories, 16 feet 4 inches x51 feet and 16x20 feet, slag roof, slate roof, hot water heating. Owners will build.

**Dwelling**, Northeast Corner Cresson and Herman streets, Philadelphia, \$4,000. Architect, private plans. Owner, Thomas P. Grady, 104 Dawson street, Philadelphia. Stone, 2

stories, 19x33 feet and 13x14 feet, slag roof, hot air heat. Owner will build.

**Apartment House (alts.)**, 3723-29 Old York road, Philadelphia. Architect, Frederick T. Uezzell, 717 Walnut street, Philadelphia. Owner, David L. Hemmerly, 1239 West Erie avenue, Philadelphia. Brick and stone, 3 stories, 48x60 feet, slag roof, oak floors, steam heating, electric lighting, tile work. Architect has received bids.

**Factory**, Amber street and Erie avenue, Philadelphia. Architects, Fieldstein & Schaef, Penfield Building, Philadelphia. Owners, N. I. Davidson & Co., Shackamaxon and Wilkey streets. Brick, steel and concrete. Architects taking bids due as soon as possible from A. R. Raff Cont. Co., 1635 Thompson street; Raith Cont. Co., 304 Master street, and Barclay White Co., 1713 Sansom street, Philadelphia.

**Store and Apartments (alts.)**, Southeast corner Forty-first and Lancaster avenue. Architect, Herman H. Kline, 1624 South Fourth street, Philadelphia. Owner, L. Myers, on premises. General interior alterations, new partitions, yellow pine floors, hardwood floors, hot water heating, electric lighting, tile and marble work, plumbing, flush bulks, metal ceilings. Architect ready for bids in one week.

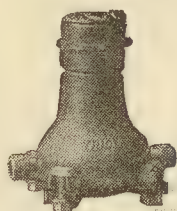
**Factory (add.)**, Fifth street, North of Master street. Architects, William Steele & Sons Co., Sixteenth and Parkway, Philadelphia. Owners, Drueding Bros. Co., on premises. Brick, reinforced concrete, stone and ornamental terra cotta, 8 stories, 91x100 feet, slag roof, cement floors, safety treads, steam heat, electric light, rolled steel sash, metal clad, tin lined and steel rolling doors, iron work. Architects taking revised sub-bids.

**Warehouse**, 45 North Third street, Philadelphia. Architects, Fieldstein & Schaef, Penfield Building, Philadelphia. Owner, Landis & Co., 45 North Third street, Philadelphia. Brick, 6 stories, 42x135 feet, slag roof, maple floors, stone foundations, rolled steel sash, iron work (elevators, heating, plumbing, electric lighting reserved). Architects taking bids due September 24th. Barclay White Co., 1713 Sansom street, is figuring.

**Ice Cream Cone Bakery**, 525 North Forty-first street, Philadelphia. Architect, W. H. Lee, 32 South Seventeenth street, Philadelphia. Owners, E. Mundt & Co., on premises. Brick and steel, 2 stories, 26x57 feet, slag roof, concrete floors, roof ventilators (heating, plumbing and electric work reserved). Architect has received bids.

**Dwellings (3)**, Pilling street, South of Arrott street, \$8,000. Architect, private plans. Owner, Edwin C. Deeby, 1145 Harrison street, Philadelphia. Brick, 3 stories, 16 feet 4 inches x30 feet and 6x6 feet, slag roof, hot water heat. Owner will build.

**Garage (alts. and add.)**, 1511-13 North Ran-



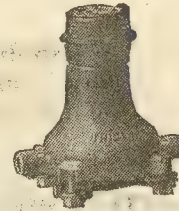
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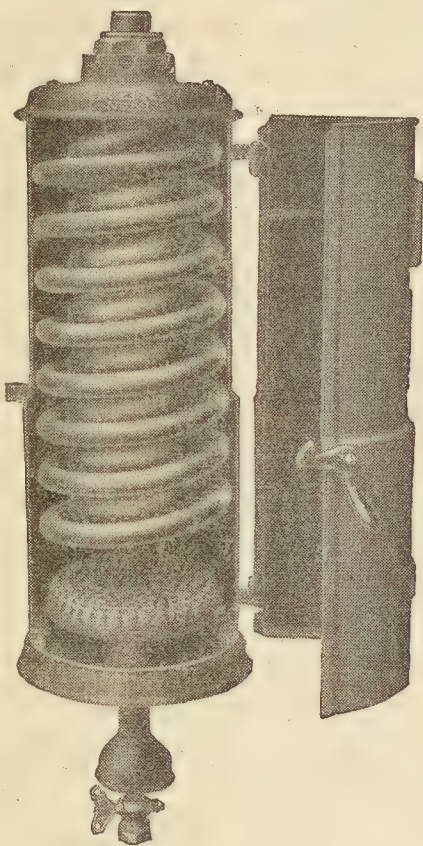
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dolph street. Architect, David Supowitz, 929 Chestnut street, Philadelphia. Owner, C. J. Carney, 1510 North Fifth street, Philadelphia. Brick and concrete, 1 story, add. 90x36 feet, slag roof, cement floors, steam heat, electric light, mill work. Plans in progress.

Garage, 230 Winona avenue, Germantown. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, Mrs. Harvey A. Weideman, 6517 Lincoln Drive, Germantown. Brick and rough cast, 1 story, 24x27 feet, slate roof, cement floors, stone foundations, hot water heating, electric lighting. Architects taking bids due September 26th at noon. F. Elvidge & Son, 5522 Germantown avenue; William C. Wright, 22 Harvey street; Ephram Carmel, 350 Queen lane, and Stokes Bros., 6723 Musgrave street, are figuring.

Residences (21), Fifty-seventh and Florence avenue, \$127,000. Architect, private plans. Owners, Saidel & Feldman, 5749 Walnut street, Philadelphia. Brick, 2 stories, 16x32½ feet, 12x21 feet, 2 stories, 16½x53 feet, slag roof, electric lighting, hot water heating. Owner will build.

Store and Dwelling, Bakery and Garage, Sixty-sixth and Elmwood avenue, Philadelphia. Architect, Wm. A. Kleman, Trenton, N. J. Owner, John Keidel, Fifty-third and Greenway avenue, Philadelphia. Brick and steel, 2 and 1 stories, 88x31 feet, wing 17x73 feet, slag roof, pine, composition and concrete floors, hollow tile, metal lath, elevators, stone foundations, steam heat, electric light, tile work, rolled steel sash. Owner has received bids.

Store and Apartments, 416 South Fifth street, Philadelphia. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owner's name withheld. Brick and stone, 3 stories, 18x67 feet, slag roof, hardwood floors, hot water heat, electric light, tile and marble work. Architect will be ready for bids in a week.

Warehouse (alts.), 114 South Second street, Philadelphia. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owners, M. Karden Paper Co., 220 Pine street, Philadelphia. Reinforcing steel for floors, concrete piers, plank floors. Architect will be ready for bids in a few days.

Rectory, Wissinoming, Philadelphia. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owners, St. Bartholomew's R. C. Church, care of Rev. Joseph Scanlan, Broad and Butler streets, Philadelphia. Plans in progress. Too early for details.

Rectory, Fiftieth and Master streets, Philadelphia. Architect, Paul Monaghan, 1218 Chestnut street, Philadelphia. Owners, Our Lady of Angels R. C. Church, care of Rev. Victor Strumnia, Fiftieth and Master streets, Philadelphia. Brick and stone, 2 stories, 26x48 feet, tin roof, pine floors, electric lighting, wire work (heating reserved). Architect taking bids, due October 1st. A. L. Fretz & Son, Heed Building; Edw. Fay & Son, 2 South Mole street; Melody & Son, 1322 Race street, and Conneen Const. Co., 1737 Filbert street, are figuring.

Factory and Garage, 613-15-17-19 North American street, Philadelphia. Owner's name withheld. Associated architects, Kline & Weitzenfeld, 1612 South Fourth street, Philadelphia. Brick and steel, 2 stories, 76x100 feet, slate roof, reinforced concrete floors, stone and concrete foundations, steam heat, electric light, cabinet work, electric elevator, rolled steel sash, hollow metal skylights, steel rolling doors. Architects ready for bids.

Bungalow, Hermit Lane, near Ridge avenue, Philadelphia. Architect, Amos W. Barnes, 1507 Arch street, Philadelphia. Owner, Taylor Spink, 3421 Queen Lane, Philadelphia. Stone, 1½ stories, 27x41 feet, slate roof, oak floors, stone foundations, hot water heat, electric light. Architect will be ready for sub-bids in one week.

Residence and Garage, Belmont and Huey avenues, Drexel Hill, Pa. Architects, MacKenzie & Wiley, Liberty Building, Philadelphia. Owner, Otto Dannenberg, 6413 Paschall avenue, Philadelphia. Frame and plaster, 2½ stories, 25x35 feet; Garage, 1 story, 18x20 feet, asbestos slate shingle roof, cement floors, hot water heating, electric lighting, stone foundations. Architects are taking sub-bids.

Residence (add. and alts.), northeast corner of Fairhill street and Rising Sun avenue, \$2,500. Architect, private plans. Owner, Frank Di Lucci, on premises. Brick, third story addition, irregular size, general alterations. Owner will build.

Packing House, southwest corner of Millnot and Bleigh streets, \$4,000. Architect, private plans. Owners, the L. Martin Co., on premises. Brick, 1 story, 50x50 feet, slag roof, electric light. Owners will build.

Residences (17), Pilling street, north of Orthodox street, \$8,000. Architect, private plans. Owner, Edwin C. Dreby, 1145 Harrison street, Philadelphia. Brick, 2 stories, 16 feet 4 inchesx22 and 3 feet, slag roof, hot water heat. Owner will build.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Garage, 508 South Forty-first street, Philadelphia, \$2,200. Architect, private plans. Owner, Mrs. Wesley Ladd, 508 South Forty-

first street, Philadelphia. Reinforced concrete, 1 story, 20x26 feet, slag roof, cement floors. Contract awarded to William R.

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Dougherty, 1610 Sansom street, Philadelphia.

**Mill Building, Power House and Dye House,** Atlantic and "I" streets, Philadelphia. Architect, A. C. Wood, Stock Exchange Building, Philadelphia. Owners, Notaseme Hosiery Co., Oxford and Mascher streets, Philadelphia. Reinforced concrete, brick and steel, 4 and 1 stories, 250x55 feet, connecting building, 51x50 feet, and 250x48 feet, built-up roof, maple and cement floors, concrete foundations, steam heating, electric lighting, rolled steel sash, elevators, roof ventilators. Contract awarded to Turner Const. Co., 1713 Sansom street, Philadelphia.

**Store and Service Station,** 919-21 North Broad street, Philadelphia, \$22,000. Architect, private plans. Owner, Louis J. Kolb, West School lane, Philadelphia. Brick, 1 story, 40x160 feet, slag roof, cement and pine floors, steam heat, electric light. Contract awarded to Smith-Hardican Co., 1606 Cherry street.

**Residence (alts.),** 518 Oak Lane, Philadelphia, \$4,300. Architect, private plans. Owner, W. F. Fugua, on premises. New porch and general alterations. Contract awarded to Henry Specht, Jr., Willow Grove, Pa.

**Garage,** 5731 North Third street, Philadelphia, \$3,900. Architect, private plans. Owner, Louis Seitz, 5727 North Third street, Philadelphia. Brick, 1 story, 16 feet 10 inches x 90 feet, cement floors, electric light. Contract awarded to Birkelbach Co., 4608 Richmond street.

**Residence,** Cottman and Claridge streets, Philadelphia, \$5,000. Architect, private plans. Owner, George Lauth, on premises. Brick, 2 stories, 14x46 feet, hot air heat, electric light. Contract awarded to Neveling Bros., 121 Sylvia avenue, Rockledge, Philadelphia.

**Factory,** 3733 York road, Philadelphia, \$6,500. Architect, private plans. Owners, Bunch & Co., on premises. Brick, 1 story, 27x80 feet, electric light, slag roof. Contract awarded to John J. Nienke, 1639 North Eighteenth street.

**Residence and Store,** Marshall and Poplar streets, Philadelphia, \$2,500. Architect, private plans. Owner, A. Potamkin, 315 Washington avenue, Philadelphia. Brick, second and third story adds., 11½x12 feet 8 inches. Contract awarded to Victor Rosen, 315 Washington avenue.

**Residence (alts.),** 2815 North Broad street, Philadelphia. Architect, E. A. Wightman, 1213 Filbert street, Philadelphia. Owner, S. B. Cooley, care of architect. Hardwood floors, hot water heat, electric light, tile work, plumbing, lighting fixtures. Contract awarded to Harry Brocklehurst, 512 West Norris street.

**Residence,** Westview street and Spring Bank lane. Architect, Edwin Gilchrist, 1627 Sansom street, Philadelphia. Owner, M. H. Harrington, 112 South Upsal street, Germantown, Philadelphia. Stone, 2½ stories, slate roof, oak floors, stone foundations, electric light, tile and marble work (heating reserved). Contract awarded to F. Elvidge & Son, 5522 Germantown avenue.

**Residences (2),** West side Broad street, South of Cheltenham avenue, \$9,000. Architect, private plans. Owner, Annie E. Turner, 5432 North Second street, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, hot water heat.

Contract awarded to Arthur V. Turner, 6408 North Twelfth street.

**Residence,** South side Cottman street, East of Bingham street, \$6,000. Architect, private plans. Owner, Walter Soeffler, on premises. Frame, 1 story, 30x41 feet, hot water heat, electric light. Contract awarded to Schmitt Bros., 5700 Rising Sun lane.

**Dwelling (alt.) to Store and Dwelling,** 2025-27-29 Huntingdon street, \$3,000. Architect, private plans. Owner, Hugh McElwee, 3029 East Huntingdon street, Philadelphia. New brick fronts, general alterations. Contract awarded to James J. Cowen, 2571 Coral street, Philadelphia.

**Residence and Store (add. and alt.),** 516 South Twelfth street, \$2,950. Architect, private plans. Owner, H. Schwartz, 420 South Twelfth street, Philadelphia. Brick, 1 story, 14x9 feet, general alterations. Contract awarded to S. Rosenberg, 612 Tasker street, Philadelphia.

**Colonial Theatre (alts.),** Maplewood and Germantown avenues, \$3,160. Architect, Hoffman Henon, Inc., Finance Building, Philadelphia. Owner, Stanley Co., 1214 Market street, Philadelphia. General alterations. Contract awarded to Pierce Henon Co., Bulletin Building, Philadelphia.

**Dye House,** 1414 East Oxford street, Philadelphia, \$4,500. Architect, private plans. Owner, James Kerr & Sons, on premises. Brick, 1 story add., 19 feet 8 inches x 103 feet. Contract awarded to John Schuster, 3552 North Fifteenth street, Philadelphia.

**Manufacturing Building,** 3447-55 Collins street, Philadelphia, \$3,000. Architect, private plans. Owner, W. V. Smalley, on premises. Repair fire damage. Contract awarded to Clayton Lofland, Water and Race streets, Philadelphia.

**Residence,** Seventy-first and Eastwick avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Paul Lee, on premises. Brick, 2 stories, 16½x43 feet, hot water heat, electric light. Contract awarded to Chas. Roberts, 7713 Buist avenue, Philadelphia.

**Store (add. and alt.),** Allegheny avenue and Almond street, \$3,550. Architect, private plans. Owner, J. Junkayatis, 3220 Gaul street, Philadelphia. Brick, second story add., 16x10 feet, general alterations. Contract awarded to G. R. Richmond Co., 2732 East Allegheny avenue.

**Garage,** Cambria street, East of Twenty-third street, Philadelphia, \$4,000. Architect, private plans. Owner, C. Boght, Twenty-second and Cambria streets, Philadelphia. Brick, 1 story, 48x70 feet. Contract awarded to Tony Stilacci, care of owner.

**Residence,** Blakiston street, East of Ditman street, Philadelphia, \$4,750. Architect, private plans. Owner, Martin Savin, Tacony, Philadelphia. Brick, 2 stories, 15x42 feet, slag roof, hot water heating, electric lighting. Contract awarded to George R. Dewees, 5624 North Third street, Philadelphia.

**Factory (alts.),** Thirteenth and Glenwood avenue, Philadelphia. Architect, A. G. Zimmerman, 85 Ninth avenue, New York City. Owner, National Biscuit Co., Thirteenth and Glenwood avenue. Painting, hardware, plumbing, electric work, steam heating, mill work and carpentry, sprinklers. Contract awarded

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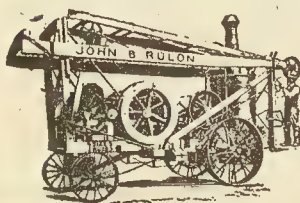
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**Store**, 926-924 Market street, Philadelphia, \$3,500. Architect, private plans. Owner, W. T. Grant Co., 28 West Twenty-third street, New York. General alterations. Contract awarded to P. A. Sorensen, 133 Callowhill street.

**Residence and Store (add.)**, 2128 North Front street, \$2,000. Owner, S. B. Aron, on premises. Brick, second story add., 16x35 feet. Contract awarded to S. Isenberg, 3849 Cambridge street.

**Service Station**, 1310-12-14 Callowhill street, Philadelphia, \$16,000. Architect, private plans. Owners, Robert and Freda Green, 1413 Vine street, Philadelphia. Brick, 1 story, 53x86 feet and 17x58 feet. Contract awarded to Ketcham & McQuade, 1029 Brown street.

**Dwelling (alts.)**, 1305 Spruce street, Philadelphia, \$7,000. Architect, private plans. Owner, Max Levy, Wayne avenue and Berkeley street, Philadelphia. General alterations. Contract awarded to H. B. Showmaker, Thirteenth and Spruce streets.

**Residence (alts. and add.)**, 2865 North Broad street, Philadelphia, \$7,000. Architect, private plans. Owner, Mrs. S. B. Cooley, on premises. Brick, one story addition, 8x18 feet, general alterations. Contract awarded to H. Brocklehurst, 512 West Norris street.

**Motion Picture Theatre**, 5508 Germantown avenue, Philadelphia, \$4,000. Architect, private plans. Owner, George F. Stumpfig, 5430 Wayne avenue, Philadelphia. General alterations. Contract awarded to H. P. Schneider, 3713 Old York Road.

**Building (alts. and add.)**, 913-15 North Broad street, Philadelphia, \$32,000. Architect, private plans. Owner, Louis J. Kolb, West School Lane, Germantown. Brick and

steel, 3 stories, 40x60 feet, slag roof, maple floors, metal lath, roof ventilators, stone foundations, steam heat, electric lighting, roll-

ed steel sash and skylights, fire doors, iron work. Contract awarded to Potts Bros. & Cooperson, 129 North Eleventh street.

## PENNSYLVANIA

### Construction News

**Boiler House and Laundry**, Ninth and Penn streets, Chester, Pa. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, Chester Hospital, Chester, Pa. Stone, terra cotta, brick and steel, 2 stories, slag roof, concrete floors, stone foundations, tile work, rolled steel sash, fire doors, safety treads, iron work, waterproofing (heating and electric lighting reserved). Architects taking bids due September 25th at noon. Samuel R. Bell, Nolan Brothers, William Ward, H. Louis Morris, William J. Hewes & Son, Arthur Machin & Co., Joel H. Phipps, William Provost, Jr., R. H. Scroggins, and Chester Const. & Cont. Co., all of Chester, Pa., are figuring.

**Residence and Garage**, Downingtown, Pa. Architects, Wilson Eyre and McIlvaine, 1003 Spruce street, Philadelphia. Owner, Dr. Edw. Kerr, Downingtown, Pa. Stone and stucco, 2½ and 1 stories, 26x50 feet, wing 22x44 feet, shingle roof, pine and cement floors, stone foundations, hot water heat, electric light, metal lath, iron work. Architects have received bids.

**Masonic Temple (alts.)**, Norristown, Pa. Architect, Harry Gordon McMurtrie, 1012 Walnut street, Philadelphia. Owners, Masonic Temple, Norristown, Pa. Brick, 1 story, 30x45 feet add. Architect will be ready for bids in two weeks.

**Power House**, Clifton Heights, Pa. Architect, private plans. Owners, Caledonia Worsted Mills, Clifton Heights, Pa. Brick, steel and concrete. Robert E. Lamb Co., 843 North Nineteenth street, is taking sub-bids.

**Residence**, Cynwyd, Pa. Architects, H. R. Stackhouse and Harry Parker, 129 South Fifth street. Owner, Daniel Houseman, 5214 Morris street, Philadelphia. Stone, frame, 2 stories, 32x37 feet, slate roof, oak floors, electric light, tile and marble work, stone foundations, iron work (heat reserved). Architect sub-letting all contracts.

**Residence and Garage**, Merion, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, E. J. Hedden, Finance Building, Philadelphia. Stone, 2 stories, 60x80 feet. Plans in progress. Too early for details.

**Service Station**, Ardmore, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, Sun Oil Co., Marcus Hook, Pa. Hollow tile and stucco, 1 story, tile roof. Plans in progress. Too early for details.

**School**, South Side, Bethlehem, Pa. Architect, Verus T. Ritter, North American Building, Philadelphia. Owners, Board of Education, Bethlehem, Pa. Brick and stone, 3 stories, 150x270 feet, composition roof, metal lath, roof ventilators, stone foundations, steam heating, electric lighting, tile, marble and ter-

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razzo work, stone foundations, hollow metal skylights, roof ventilators, iron stairs. Lowest bidders: Robert S. Rathbun, Bethlehem, Pa., and F. F. Speck, Bethlehem, Pa.

**Residence (alts.) and Studio (add.)**, Ardmore, Pa. Architects, Seeburger & Rabenold, Weightman Building, Philadelphia. Owner, S. S. White, 3rd, Ardmore, Pa. Hollow tile and plaster, 22x42 feet add., shingle roof, oak floors, hot air heating (electric work reserved). Architects have received bids.

**Gymnasium, Auditorium and Swimming Pool**, Villanova, Pa. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Augustinian Fathers, Villanova, Pa. Stone and reinforced concrete, 3 stories, 55x82 feet, stone foundations, hardwood and tile floors, electric light, steel lockers. Low bidder: Jacob Myers & Sons Co., Witherspoon Building, Philadelphia.

**Bungalow**, Lansdowne, Pa. Architect, private plans. Owner, L. H. Watmough, Stock Exchange Building, Philadelphia. Stucco, 1½ stories, 30x40 feet, shingle roof, pine floors, metal lath, stone foundations, hot water heat, electric lighting. Owner has received bids.

**Garage**, Wood and Cherry streets, Reading, Pa. Architect, Calvin Young, 520 Washington street, Reading, Pa. Owner, W. J. Hech, Eleventh and Penn streets, Reading, Pa. Steel mill construction, 2 stories, 40x40 feet, slag roof, wood and concrete floor, steam heat, electric light, fire doors, elevators, gasoline storage system. Plans in progress. Owner will take general bids.

**Store Front and Service Station**, Reading, Pa. Architect, Calvin Young, 520 Washington street, Reading, Pa. Owner, George H. Beecher, 228 North Fifth street, Reading, Pa. Steel, concrete, 2 stories, 28x84 feet, concrete foundations, slag roof, concrete and wood floors, steam heat, electric light, tile work, plate

glass, hollow metal skylights, roof ventilators. Plans in progress. Architect ready for bids.

**Twin Residence**, West Wyoming street, Reading, Pa. Architect, Calvin Young, 520 Washington street, Reading, Pa. Owner, C. W. Morrison, 739 Ritter street, Reading, Pa. Stucco, cement, 1½ stories, composition roof, concrete foundations, pine floors, hot water heat, electric light. Owner taking general and sub-bids.

**Residence and Garage**, Marple Heights, Pa. Architect, Conrad B. Neff, Otis Building, Philadelphia. Owner, W. H. Lescher, 5306 Larchwood avenue, Philadelphia. Brick and hollow tile, 2½ stories, 28x40 feet, garage in basement, slate roof, hardwood and cement floors, hot water heat, electric lighting. Architect will be ready for bids in three weeks.

**Residence**, Ambler, Pa. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, J. W. Cherry, Wilkes-Barre, Pa. Stone, 2½ stories, 35x50 feet, slate roof, hardwood floors, hot water heating, electric lighting, plumbing, tile work. Owner is taking bids.

**Residence**, Chestnut Hill, Pa. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, George P. Winkler, Bulletin Building, Philadelphia. Frame, 2 stories, 25x30 feet, shingle roof, hardwood floors, hot air heating, electric lighting, tile work, plumbing. Owner will be ready for sub-bids in a few days.

**Hospital Buildings**, Wilson Township, Easton, Pa. Architect, William M. Michler, Easton, Pa. Owner, Easton Hospital, Easton, Pa. Brick, concrete, stone and steel. Power house, hospital building and nurses' home. Owners taking bids due October 1, 1919. Bechtel & Bechtel, Easton, Pa.; F. J. Lerch & Co., Easton, Pa.; Shepherd Const. Co., Wilkes-Barre, Pa.; Beard Const. Co., Reading,

Pa.; Hegeman & Harris Co., 33 West Forty-second st., New York City; Precast Concrete Co., Bulletin Building; Standard Const. Co., 1713 Sansom street, and Cramp & Co., Denckla Building, all of Philadelphia, are figuring. Bids to be forwarded to William Tonkin, Easton Trust Co. Building, Easton, Pa.

**Residence (alts.)**, Elkins Park, Pa. Architect, Frank E. Hahn, 1112 Walnut street, Philadelphia. Owner, W. Morris Steppacher, on premises. General alterations. Architect taking bids due September 26th at 10 A. M. Henry Specht, Willow Grove, Pa.; D. W. Sperry, Abington, Pa.; S. N. Fesmire, Glenside, Pa.; W. John Stevens, Inc., Wynecote, Pa.; McCormick & McCormick, Elkins Park, Pa., and William J. Gruhler Co., 219 East High street, are figuring.

**Residence**, Wayne, Pa. Architect, George S. Idell, 1705 Chestnut street, Philadelphia. Owner, Richard C. Newbold, Wayne, Pa. Terra cotta tile and frame, 2½ stories, 26x36 feet, shingle roof, pine floors, stone foundations (heat reserved), electric light, tile work. Architect taking additional bid from Hogg Const. Co., Denckla Building.

**Garage**, Laverock, Pa. Architects, Willing & Sims, 1627 Sansom street, Philadelphia. Owner, Mrs. Charles Platt, 3rd, Laverock, Pa. Plaster, 2 stories, 20x24 feet, shingle roof, cement floors, waterproofing, stone foundations, electric light (heat reserved). Architects taking bids due September 24th. William R. Dougherty, 1610 Sansom street; George Roth & Son, 230 East Gravers lane; William H. Carr, 5911 Germantown avenue; A. B. Griffith, Ogontz, a., and W. John Stevens, Inc., Wynecote, Pa., are figuring.

**Children's Home**, Orelan, Pa., \$60,000. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building. Owner, name withheld. Frame, 2½ stories, 30x80 feet, shingle

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gle roof, hardwood floors, vapor heating, electric lighting. Plans completed. Architects ready for sub-bids.

**Bungalow and Garage**, Drexel Hill, Pa. (Maple avenue). Architects, MacKenzie & Wiley, Liberty Building, Philadelphia. Owner, A. MacDonald, care of architects. Stone, 1 story and basement, 50x50 feet, 1 story, 14x20 feet, asbestos shingle roof, hardwood floors, stone foundations, hot water heat, electric light, tile work. Architects taking sub-bids.

**Male Nurses' Home (alts. and add.)**, Norristown, Pa. Architect, Harry Gordon McMurtree, 1012 Walnut street. Owner, State Hospital for the Insane, Norristown, Pa. Brick and terra cotta, 2½ stories, 44x51 feet, slate roof, maple and composition floors, stone foundations, steam heat, electric lighting, tile and marble work, metal lath, iron work. Lowest bidder, Hurley Bros., Franklin Trust Building, Philadelphia, \$32,685.

**High School (add.)**, Easton, Pa., \$400,000. Architect, A. D. Chidsey, 34½ Northampton street, Easton, Pa. Owner, School Board, Easton, Pa., care of Charles Magee. Fireproof construction, 3 stories, 120x175 feet. Plans in progress. Too early for details.

**Cleaning and Dyeing House and Garage**, Fountain Hill, Bethlehem. Architect, E. H. Bitting, Wilbur Trust Building, Bethlehem, Pa. Owner, Wyandotte Dyeing & Cleaning Co., 337 Wyandotte street, Bethlehem, Pa. Brick, 1 story, 30x90 feet and 20x20 feet, concrete foundations, slag roof, cement floors, steam heat, electric light, rolled steel skylights, roof ventilators, gasoline storage system. Preliminary plans in progress.

**Garage**, South Seventh street, Allentown, Pa. Architect, E. H. Bitting, Wilbur Trust Building, Bethlehem, Pa. Owner, S. Elite, South Seventh street, Allentown, Pa. Brick, 2 stories, 38x120 feet, concrete foundations, slag roof, cement floors, hot water heat, electric light, plate glass, rolled steel sash and skylights, elevators, roof ventilators, gasoline storage system. Plans completed. Owner ready for bids.

**Silk Mill**, Allentown, Pa. Architect, D. Levy, 938 Hamilton street, Allentown, Pa. Owner, Miller Silk Corp. of New York, care of architect. Mill construction, 2 stories, 62x105 feet, slag roof, wood floors, vapor heat, electric light, fire doors. Architect ready for bids.

**Factory**, South Allentown, Pa. Architect, D. Levy, 38 Hamilton street, Allentown, Pa. Owner, name withheld. Reinforced concrete and brick, 4 stories and basement, 55x210 feet, concrete foundations, slag roof, wood floors, vapor heat, electric light, rolled steel sash, fire doors, elevators. Architect ready for sub-bids.

**Hospital**, Ransom, Pa., \$300,000. Architect, Ralph M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owner, Hospital for Insane, Ransom, Pa. Brick, stone, 2 stories, 300x170 feet, stone foundations, slag roof, steam heat, electric light, tile, marble and terrazzo work, rolled steel skylights, roof ventilators, metal window guards. Architect has received bids.

**Home**, North Washington street, Wilkes-Barre, Pa., \$30,000. Architect, Clark Wright Evans, Coal Exchange Building, Wilkes-Barre. Owner, Home for the Aged, care of C. M. Loveland, Miners' Bank Building. Brick, 8 stories and basement, 80x54 feet, stone foundations, slag roof, pine floors, electric light. Architect taking bids due September 27th. A. D. Thomas, 370 South Main street; I. M.

Leach, Jr., 88 North Park avenue; John Curtis Co., 1 Hickory street; Edward Eyerman, 86 Charles street; Walborn & Barney, 177 Race street; Kehoe & Mowery, 725 South Franklin street; Wilson J. Smith, 293 South Main street; Francis E. Melan, 423 Carey avenue; Martin L. Roth, 127 South Welles street; Schmitt & Co., 180 North Pennsylvania avenue; John E. James, 45 South Grant street; E. T. Long & Co., Coal Exchange Building; Adam A. Hildebrand, 91 Wood street, all of Wilkes-Barre, figuring.

**Synagogue**, Dunmore, Pa. Architect, L. Reisman, Miller Building, Scranton, Pa. Owner, Ahavath-Israel, Dunmore, Pa. Stucco and frame, 2 stories, 40x80 feet, shingle roof, wood floors, steam heat, electric light, plumbing. Architect taking sub-bids.

**Residence**, North Main street, Wilkes-Barre, Pa. Architect, A. L. Reilly, Bennett Building, Wilkes-Barre, Pa. Owner, Dr. O. K. Grier, North Main street, Wilkes-Barre, Pa. Brick, 2 stories, 27x60 feet, stone foundations, hardwood floors, steam heat, electric light, tile work. Sketches being drawn.

**DAIRY (alts. and add.)**, Orchard street, Wilkes-Barre, Pa. Architects, G. E. Schroeder & C. J. Schmitt, Bennett Building, Wilkes-Barre, Pa. Owners, Horn Dairy Co., on premises. Brick and reinforced concrete, 1 story and basement, 20x35 feet, stone foundations, slag roof, concrete floors, steam heat, electric light. Architect taking bids, due September 27th. John Dobson, Adam Hildebrand Co., 91 Wood street; O. J. Behrens Sons, 179 Blackman street, and B. Mowery, all of Wilkes-Barre, Pa., are figuring.

**Factory (add.)**, Parrish street, Wilkes-Barre, Pa., \$6,000. Architects, Geo. Schoeder & C. J. Schmitt, Bennet Building, Wilkes-Barre, Pa. Owner, B. Gottlieb, Wilkes-Barre, Pa. Brick, 1 story, slag roof, electric light. Architect has received bids.

**School**, Nanticoke, Pa., \$80,000. Architect, A. L. Reilly, Bennett Building, Wilkes-Barre, Pa. Owners, Nanticoke School Board, Mr. Lonski, chairman, Nanticoke, Pa. Brick, 2 stories, 80x120 feet, stone foundations, slag roof, pine floors, indirect heating, electric light, hollow metal skylights, roof ventilators. Sketches being drawn.

**Double Houses (alts.) to Apartment**, Wilkes-Barre, Pa. Architect, T. H. Atherton, Coal Exchange Building, Wilkes-Barre, Pa. Owner's name withheld, care of architect. Brick, 3 stories, plumbing, plastering, interior work, hardwood floors, tile and marble work. Plans in progress.

**House**, Hazleton, Pa., \$13,000. Architect, G. F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner's name withheld. Frame, 3 stories, 29x47 feet, asbestos roof, hardwood floors, steam heat, electric light, tile work. Owner taking general bids.

**School**, Newport Township, Pa., \$15,000. Architect, Ralph M. Herr, Wilkes-Barre, Pa. Owner, Newport Township School District, Pa. Brick and stone, slag roof, steam heat, electric light, pine floors, tile work. Architect has received bids.

**Filling Station**, Lancaster avenue, Ardmore, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owners, Sun Co., Finance Building, Philadelphia. Hollow tile and stucco, 1 story, 13x26 feet, blue tile roof, cement floors, concrete foundations, hot water heat, electric light, millwork, gasoline storage system, gasoline dispensing system, air compressors. Architect ready for bids. J. Percival Johnson, 4039 Lancaster avenue; E. J. Hed-

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den, Finance Building; Wm. R. Graham, 3649 Filbert street; A. L. Fretz & Son, Heed Building, Philadelphia, will figure.

**Residence**, Oakmont, Pa. Architects, Lachman & Murphy, Drexel Building, Philadelphia. Owner, E. R. Eggleston, Oakmont, Pa. Stone and stucco, 2½ stories, slate roof, oak floors, vapor heat, electric lighting, tile work. Architects taking bids, due as soon as possible. Eugene R. Beard, Oakmont, Pa., is figuring.

**Recreation Pavilions, Playgrounds, Toilets, Cement Walls**, Lansdowne, Pa. Architect, Paul Monaghan, 1218 Chestnut street, Philadelphia. Owners, New St. Vincent's Home, Lansdowne, Pa. Reinforced concrete and steel, 1 story, 45x101 feet, slate roof, asphalt floors, electric light, stone foundations. Architects taking bids, due September 25th. James Kelley, Bulletin Building; M. Melody & Son, 1322 Race street; A. L. Carhart, Penfield Building, and McClintic-Marshall Co., Morris Building, are figuring.

## Pennsylvania Contracts Awarded

**Garage**, Fourth and Oley streets, Reading, Pa. Architects, Muhlenberg Bros., 511 Penn street, Reading, Pa. Owner, E. A. Quier, on premises. Brick, 2 stories, 28x43 feet, slate roof, cement floors, hot water heat, electric light. Contract awarded to H. J. Raudenbush, Reading, Pa.

**Dye House**, Fifth and Buttonwood streets, Reading, Pa. Architect, Calvin Young, 520 Washington avenue, Reading, Pa. Owners, Model Dyeing and Cleaning Co., on premises. Brick, 1 story, 30x95 feet, stone and concrete foundations, slag roof, cement floors, hot water heating, electric lighting, hollow metal sash, hollow metal skylights. Contract awarded to George Kline, Reading, Pa.

**Bank (alts. and add.)**, Norristown, Pa. Architect, Edward T. Boggs, 136 South Fourth street, Philadelphia. Owners, Norristown Trust Co., Norristown, Pa. Brick, 3 stories, 16x44 feet, slag roof, steam heat, electric lighting, metal lath, fire escapes. Contract awarded to Frank Heavner, Norristown, Pa.

**High School and Parrish House**, Pittstown, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Rev. J. J. Corner, Pittston, Pa. Brick, fireproof, 3 stories, 42x160 feet, 64x120 feet, concrete foundations, slate and slag roof, wood floors and tile floors, high pressure heat, electric light, tile and marble work, hollow metal skylights, roof ventilators. Contract awarded to John Curtis & Co., Wilkes-Barre, Pa.

**Power Plant**, Wilkes-Barre, Pa. Architect, C. W. Evans, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Y. W. C. A., care of architect. Brick, 1 story, 32x43 feet, stone foundations, slate roof, concrete floors. Contract awarded to I. A. Leech, 89 Penn avenue, Wilkes-Barre, Pa.

**Garage**, 81 South Pennsylvania avenue, Wilkes-Barre, Pa. Architects, Geo. Schroeder & C. J. Schmitt, Bennett Building, Wilkes-Barre, Pa. Owner, D. S. Williams, on premises. Brick, 1 story, 30x54 feet, stone foundations, slag roof, concrete floors, electric light. Contract awarded to S. M. Leach, Wilkes-Barre, Pa.

**Church**, West Broad street, Bethlehem, Pa. Architect, C. T. Spangenberg, 504 Broadway, Bethlehem, Pa. Owners, First Baptist Church, Rev. C. Johnston, Bethlehem, Pa. Concrete

and tile, 1 story, 50x108 feet, composition roof, pine floors, electric light, tile work. Contract awarded to Bjork, Blom, Riccoritti, Bethlehem, Pa.

**Residence (alts. and add.)**, Tenth and Prospect streets, Bethlehem, Pa. Architect, C. F. Spangenberg, 504 Broadway, South Bethlehem, Pa. Owner, S. L. Caum, 905 Prospect street, South Bethlehem, Pa. Frame, general interior alterations. Contract awarded to Robert Pfeifle, South Side, Bethlehem, Pa.

**Silk Mill**, Fourth and Cedar streets, Allentown, Pa. Architect, D. Levy, 938 Hamilton street, Allentown, Pa. Owner, J. Sontag, care of architect. Brick, mill construction, 2 stories and basement, 55x140 feet, concrete foundations, slag roof, plank and maple floors, vapor heat, electric light, fire doors, elevators. Contract awarded to Chanock & Senderowitz, Allentown, Pa.

**School (alts.)**, Easton, Pa. Architect, A. D. Chidsey, Jr., 34½ Northampton street, Easton, Pa. Owners, Easton School Board, care of Charles Magee, Easton, Pa. Brick, interior alterations, steam heat, maple floors. Contract awarded to Hazel Smith, Easton, Pa.

**Silk Mill**, Allen and Pioneer streets, Allentown, Pa. Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owners, Majestic Silk Mills, Allen street, Allentown, Pa. Brick, mill construction, 1 and 3 stories, 66x217 feet, composition roof, maple floors, hollow metal sash, fire doors, metal window guards. Contract awarded to Tilgham Moyer, Allentown, Pa.

**Silk Mill**, Emaus, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Central Silk Co. of New York, 441 Fourth avenue, New York. Brick, 1 and 2 stories, 138x147 feet, concrete foundations, slag roof, maple floors, electric light, hollow metal sash, kalamein doors. Contract awarded to Arthur Housey, Allentown, Pa.

**Silk Mill and Boiler House**, Weatherly, Pa. Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owners, J. H. Meyers Silk Mill Co., 50 Union Square, New York. Brick, slow burning, 2 stories, 43x114 feet, concrete foundations, slag roof, maple floors, electric light, hollow metal sash, roof ventilators. Contract awarded to D. S. Kistler, Weatherly, Pa.

**Shoe Factory**, Eighth and Harrison streets, Allentown, Pa., \$80,000. Architect, L. S. Jacoby, Commonwealth Building, Allentown, Pa. Owners, Haas & Berger Co., 20 South Halls street, Allentown, Pa. Brick, 4 stories, 189x45 feet, and office building outside, concrete foundations, concrete and maple floors, electric lighting. Contract awarded to Ochs Const. Co., Allentown, Pa.

**Children's Home**, Easton, Pa., \$75,000. Architect, Wm. Michler, Drake Building, Easton, Pa. Owner, Mrs. Evans, North Third street, Easton, Pa. Stone, 2 stories, 35x132 feet, 40x80 feet, slate roof, stone foundations, cement floors and yellow pine floors, steam heat, electric light, tile and marble work, rolled steel sash, roof ventilators, metal window guards. Contract awarded to Wm. H. Snyder, Lafayette and Delaware streets, Easton, Pa.

**Residence**, Danville, Pa. Architect, F. A. Nelson, Connell Building, Scranton, Pa. Owners, Memorial Hospital, care of Superintendent Geisenger, Danville, Pa. Frame, 2 stories, L shaped, 90x70 feet, concrete foundations, shingle roof, hardwood floors, steam heating, electric lighting, tile work. Contract awarded to Shepherd Const. Co., Wilkes-Barre, Pa.



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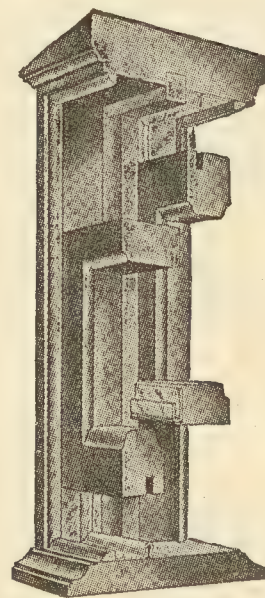
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Children's Home, Easton, Pa., \$75,000. Architect, Wm. Michler, Drake Building, Easton, Pa. Owner, Mrs. Evans, North Third street, Easton, Pa. Stone, 2 stories, 35x132 feet, 40x80 feet, slate roof, stone foundations, cement floors and yellow pine floors, steam heat, electric light, tile and marble work, rolled steel sash, roof ventilators, metal window guards. Contract awarded to Wm. H. Snyder, Lafayette & Delaware streets, Easton, Pa.

Residence, Danville, Pa. Architect, F. A. Nelson, Connell Building, Scranton, Pa. Owners, Memorial Hospital, care of Superintendent Geisenger, Danville, Pa. Frame, 2 stories, L shaped, 90x70 feet, concrete foundations, shingle roof, hardwood floors, steam heating, electric lighting, tile work. Contract awarded to Shepherd Const. Co., Wilkes-Barre, Pa.

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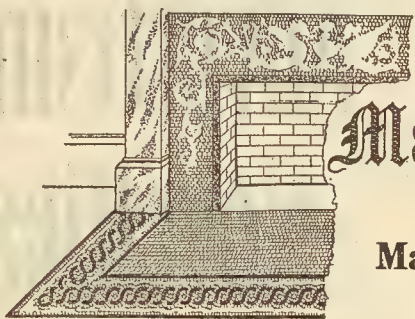
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## New Jersey Construction News

Residence (alts. and add.), Woodstown, N. J. Architect, David B. Bassett, Perry Building, Philadelphia. Owner's name withheld. Hot water heating, plumbing, electric work, mill work, interior decorating, painting. Plans in progress.

Bank (alts. and add.), Riverton, N. J. Architect, J. Fletcher Street, 129 South Fifth street, Philadelphia. Owners, Cinnaminson National Bank, Riverton, N. J. General interior and exterior alterations, 18x30 feet, addition. Architect taking bids, due September 27th. J. L. Warner, Palmyra, N. J.; Geo. Shaner & Son, Palmyra, N. J.; Smith & Stavelly, Palmyra, N. J.; Louis F. Lowden, Riverton, N. J., are figuring.

Rectory, Pennsgrove, N. J. Architect, Geo. I. Lovatt, 416 Walnut street, Philadelphia. Owners, St. James' R. C. Church, care of Rev. H. L. Massey, Pennsgrove, N. J. Stone and stucco, 3 stories, 30x60 feet, slate roof, stone foundations, hardwood and pine floors, electric lighting, tile and marble work. Architect taking bids, due October 2nd. Joseph Morgan, Salem, N. J.; H. L. Hoffman, Pitman, N. J.; John E. Healy, Wilmington, Del.; L. T. West, Camden, N. J.; George Bachman, Camden, N. J., are figuring.

General Hospital and Dispensary, Elizabeth, N. J. Architects, Crowe, Lewis & Wick, 200 Fifth avenue, New York City. Owners, Elizabeth General Hospital, Elizabeth, N. J. Steel, brick, concrete, terra cotta, cut stone, 6 stories, 183x69 feet, wing 29x64 feet, slag roof, oak and terrazzo floors, tile and marble work, metal lath, safety treads, iron window guards, waterproofing, iron work, hollow metal sash and skylights and doors, concrete foundations, steam heat, electric light. Architects taking bids. Warren-Moore Co., Colonial Trust Building, Philadelphia, are figuring.

Residences, 21, 23, 25 and 27 Elmhurst street, Trenton, N. J., \$14,000. Architect, private plans. Owner, W. J. Morris, Trenton, N. J. Brick, 2½ stories, slag roof, pine floors, steam heat, electric lighting. Owner will build.

Church, Woodbury Heights, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owners, St. Peter's P. E. Church, care of Archdeacon Shepard, Hamilton avenue, Trenton, N. J. Brick, 1 story, 25x76 feet, brick foundations, asbestos shingle roof, maple floors, electric lighting. Plans in progress.

Store (add.), North Broad street, Trenton, N. J. Architect, Wm. Klemann, First National Bank Building, Trenton, N. J. Owner, Alex. Rice, Mercer Bottling Co., Trenton, N. J. Brick, 3 stories, 31x80 feet, stone foundations, slag roof, maple floors, steam heat, electric light, tile work. Plans in progress.

Garages (100), East Front street, Trenton, N. J. Architect, Wm. Klemann, First National Bank Building, Trenton, N. J. Owner, A. Klenkovostein, North Eighth street, Trenton, N. J. Brick, 1 story, irregular size, slag roof, cement floors, hot water heat, electric light. Plans in progress.

Residence, Belmont Circle, Trenton, N. J. Architects, Klemann & Kaplan, First National Bank Building, Trenton, N. J. Owner, Frank Millner, on premises. Stone, 2½ stories, 42x40 feet, stone foundations, slate roof, hard-

Building Lime—Buy pure lime, no core, no grit—Chemical Lime. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Phila. Both 'phones.



wood floors, electric light, tile work. Plans in progress.

**School (add.),** Hamilton Square, Trenton, N. J. Architect, Wm. Klemann, First National Bank Building, Trenton, N. J. Owners, Hamilton Square Township School Board, care of Wm. A. Robinson, Hamilton Square, Mercer County, N. J. Brick, 2 stories, 40x100 feet, stone foundations, slag roof, concrete and wood floors, steam heat, electric light, hollow metal skylights, roof ventilators. Plans in progress.

**Residence,** Riverside avenue, Trenton, N. J. Architect, W. Klemann, First National Bank Building, Trenton, N. J. Owner, R. N. Burkert, Riverside avenue, Trenton, N. J. Hollow tile and frame, 2 stories, 26x26 feet 8 inches, concrete foundations, slate roof, steam heating, electric lighting, tile work. Owner will take general bids.

**Store Building (alts.),** State and Warren streets, Trenton, N. J. Architect, Wm. Klemann, First National Bank Building, Trenton, N. J. Owner, S. B. Shankman, South Broad street, Trenton, N. J. Stone, interior work, tile and marble work, plate glass. Architect will take bids this week.

**Garage,** South Broad street, Trenton, N. J. Architect, J. O. Hunt, 114 North Montgomery street, Trenton, N. J. Owners, Necht-Ertel Motor Car Co., South Clinton street, Trenton, N. J. Brick, 2 stories, 175½x60 feet, concrete foundations, slag roof, reinforced concrete floors, steam heat, electric light, rolled steel sash and skylights, plate glass. Architect taking bids, due September 24th. Newton Bugbee and T. Day, both of Trenton, additional bidders.

**Store (add.),** South Broad street, Trenton, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owner, J. M. Block, South Broad street, Trenton, N. J. General interior work, store front, plate glass, copper work and tile work. Architects will take sub-bids September 23rd.

**Residence,** Hamilton street, Trenton, N. J., \$6,700. Architect, private plans. Owner, Elmer H. Stout, 343 Berwyn avenue, Trenton, N. J. Brick, 2½ stories, 20x50 feet, concrete foundations, slate roof, hardwood floors, electric light, tile work. Owner will build.

**Store House and Garage,** Third street, Trenton, N. J., \$3,000. Architect, private plans. Owners, Resolute Pottery Co., Third street, Trenton, N. J. Brick, 1 story, 40x60 feet, concrete foundations, asbestos and slag roof, concrete floors, electric light. Owner will build.

## New Jersey Contracts Awarded

**Dirigible Hangar,** Spec. 4001, Lakehurst, N. J. Architect, private plans. Owners, U. S. Government, Bureau of Yards and Docks, Washington, D. C. Steel and asbestos, corrugated siding, 2 stories, 354x804 feet, built-up gypsum roof, concrete and wood block floors, hollow tile, metal lath, elevators, roof ventilators, concrete foundations, steam heating, electric lighting, rolled steel sash, skylights and doors, metal stairs, iron work, painting, plastering, glazing, plumbing, kitchen equipment. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

**Residence,** Haddonfield, N. J. Architects, Custer & Gill, Third and Market streets, Camden, N. J. Owner, Joseph O'Brien, care of

architects. Frame, 2 stories, 22x40 feet, shingle roof, pine floors, hot water heat, electric lighting. Contract awarded to Frank A. Souder, 218 Haddon avenue, Collingswood, N. J.

**Residences (alts.) to Stores,** 1307-09-11 Kaighn avenue, Camden, N. J. Architect, private plans. Owners, Kausel & Walsh, 1100 Haddon avenue, Camden, N. J. Interior work, plate glass, electric light, maple floors, tile work. Contract awarded to Mockett Const. Co., Camden, N. J.

**Residences (2),** Tyler street, Trenton, N. J., \$6,400. Architect, private plans. Owner, Philip Zoda, 93 South Clinton street, Trenton, N. J. Brick, 2½ stories, 14x28 feet, concrete foundations, slate roof, wood floors, electric light. Contract awarded to Felix Tuccillo, 746 Roebeling street, Trenton.

**Residence,** Lawrence Road, Lawrence Township, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owner, C. Christian, care of architects. Hollow tile and stucco, 2½ stories, 29x48 feet, stone foundations, green Spanish tile roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to T. B. Anderson, Crosswicks, N. J.

**Residence,** Haddonfield, N. J. Architects, Custer & Gill, Third and Market streets, Camden, N. J. Owner, Joseph O'Brien, care of architects. Frame, 2 stories, 22x40 feet, shingle roof, pine floors, hot water heat, electric lighting. Contract awarded to Frank A. Souder, 218 Haddon avenue, Collingswood, N. J.

**Residences (alts.), to Stores,** 1307-09-11 Kaighn avenue, Camden, N. J. Architect, private plans. Owners, Kausel & Walsh, 1100 Haddon avenue, Camden, N. J. Interior work, plate glass, electric light, maple floors, tile work. Contract awarded to Mockett Const. Co., Camden, N. J.

## Delaware Construction News

**Storage House (alts. and add.),** Eleventh and Grant streets, Wilmington, \$50,000. Architect, private plans. Owners, Diamond Ice and Coal Co., 911 Market street, Wilmington, Del. Brick, 2 stories, 83x82 feet, stone foundations, slag roof, cement floors. Owner will build.

**Residence,** Middletown, Del. Architect, E. C. May, Du Pont Building, Wilmington, Del. Owner's name withheld. Brick, 2 stories, 38x42 feet, stone foundations, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress.

**Residence and Garage,** Wilmington, Del. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, Fletcher B. Holmes, Wilmington, Del. Brick, 2½ stories, 32x42 feet, and 1 story, 19x20 feet, slate roof,

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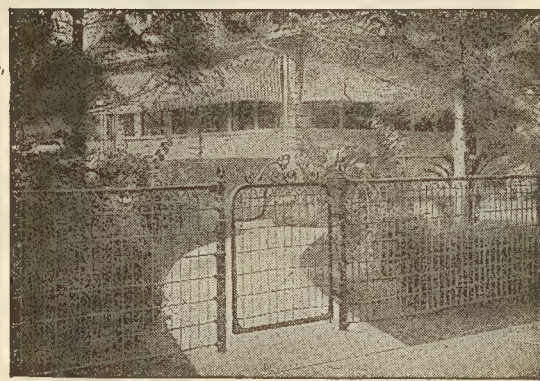
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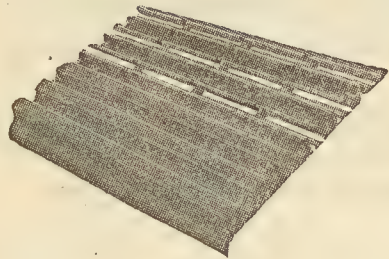
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oak, pine and cement floors, stone foundations, tile work, iron work (heating and electric work reserved.) Architect taking bids, due September 29th at noon. Wills-Ludwick Co., 1708 Sansom street; Wm. R. Graham, 3649 Filbert street, Philadelphia; J. A. Bader & Co., John E. Healey & Son, and W. D. Had-dock & Co., all of Wilmington, Del., are figuring.

**Factory**, Maryland and Liberty streets, Wil-mington, Del., \$60,000. Architect, J. J. Ken-nedy, Ford Building, Wilmington, Del. Own-ers, Liberty Morocco Co., on premises. Brick, slow burning construction, 6 stories, 72x90 feet, composition roof, maple floors, central heating system, electric light, hollow metal sash, fire doors, elevators. Contract awarded to J. A. Bader & Co., Wilmington, Del.

**Store and Apartment**, Third and French streets, Wilmington, Del., \$10,000. Architect, private plans. Owners, Tamen Bros., 218 W. Second street, Wilmington, Del. Brick, 21x 60 feet, stone foundations, slag roof, steam heat. Contract awarded to Martin Tomezak, 431 South Broome street, Wilmington, Del.

## Miscellaneous Construction News

**Fairmont Building Project**, Fairmont, W. Va. Architects, Dreher, Churchman, Paul & Ford, 1424 Walnut street, Philadelphia. Own-ers, Pleasant Valley Homes Co. (75 resi-dences), Fairmont Mining Co. (25 residences), Southside Land Co. (12 residences), Westend Co. (6 residences), West Virginia Metal Pro-ducts Corp. (brass and copper rolling mill, casting shop and office building), trolley sta-(owner) Monongohelia Valley Traction Co. Hotel (alts. and add.). Architects, Millburn & Heister Co., Washington, D. C. Owners, Monongohelia Valley Traction Co. Steel, stue-co, frame, brick and concrete. Rolling Mill, 1 story, 280x360 feet; Casting Shop, 1 story, 81x280 feet; Office Building, 3 stories, 50x130 feet; Residences, various sizes, slate, slag,

cement tile roof, pine, oak and maple floors, stone foundations, hot air heat, electric light, tile and marble work, rolled steel sash and skylights, iron work, metal lath, roof ventil-ators. Architects taking bids, due week of September 22nd. Central Const. Co., Harris-burg, Pa.; Hunkin-Conkey Const. Co., Coya-hoga Building, Cleveland, Ohio; Aberthaw Const. Co., Baltimore, Md.; Geo. A. Fuller Co., Widener Building, Philadelphia; J. G. White & Co., Inc., 43 Exchange Place, New York City; John W. Cowper Co., Buffalo, N. Y.; Westinghouse-Church-Kerr Co., 37 Wall street, New York City; Alex. F. Fedeli Co., Vickers Building, Baltimore, Md.; McClintic-Marshall Co., Morris Building, Philadelphia, Pa.; Fred T. Ley Co., 19 West Forty-fourth street, New York City; Ford, Bacon & Davis, 115 Broadway, New York City; Stone & Web-ster, 147 Milk street, Boston, Mass., and Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

**Yard Office Building and 2 Shipways**, Balti-more, Md., \$350,000. Architect, private plans. Owners, Union Shipbuilding Co., Baltimore, Md. Brick, steel and concrete, shipways, tim-ber and concrete building, 2 stories, 40x71 feet, asbestos asphalt roof, white fum floors, metal lath, roof ventilators, electric light, con-crete foundations, hardware, plumbing, paint-ing, carpentry, mill work, sheet metal work. Contract awarded to Hughes-Foulkrod Co., Commonwealth Building.

**Factory Building and Power House**, 141st and Walnut streets, New York City. Archi-tects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Port Nor-ris Holding Co., on premises. Reinforced con-crete, brick and steel, 6 stories, 60x150 feet, 60x188 feet, concrete foundations, slag roof, concrete and maple floors (heating, electric work and plumbing reserved), hollow tile, rolled steel sash and skylights, fire and kala-mein doors, safety treads, roof ventilators, dampproofing, iron work. Contract awarded to Industrial Eng. Co., 30 Church street, New York City.

## IDEALS OF THE PROFESSION OF ARCHITECTURE

BY HENRY K. HOLSMAN

*President Illinois Chapter, American  
Institute of Architects*

If I were to take as a text a great philosophical thought—a thought typical of our individual professional lives, typi-cal of our professional organization and typical of that age-old professionalism hitherto unorganized and unconscious of its power, but just now reaching class conscience; if I were to use a phrase most typical of the value of that great creative, cumulative service of the minds of men for their fellow man, now coming to be known as world professionalism, I would say: "The first shall be last and the last shall be first and servant of all."

My present conception of the policy of this organization lies in that text. The most important goal of our organization, of our profession, of all professions, is class consciousness. The task is one for a class, not for an individual. The Presi-dent must be conscious of his position as a servant. He may help to awaken the other individuals and guide them to an awareness of their duties, powers and re-sponsibilities; but whatever is done that is true and good, whatever is achieved that is beautiful and therefore cumulative and lasting, must be done by the mem-

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bers of the organization or of the class and not by their servants, the officers. The character of a profession depends upon the character of its individuals. The reputation of a profession depends upon its organization and the participation of all in its welfare.

The architect inherits a profession built upon the oldest instincts of man and handed down from the remotest periods of history. His profession is the one great accumulation of experiences and forces imbued with the spirit of art, and art is a development of the people, as a class, for the people as a mass, and cannot be created by an individual. No new form or color invented by an individual (if such a thing is conceivable) can be called art unless it raises to the consciousness of the beholder past pleasures of the mind or familiar instincts of the race. He who would be an artist must serve his people with an emotional understanding of them, of their past.

The profession of architecture imposes upon its members the same familiarity with the achievements of structural and social sciences. The architect must work in close co-operation and deep sympathy with other professions than his own. No individual can achieve in this profession by himself. Architecture does not depend upon the inspiration of genius but upon painstaking culture and talent and the mastery of the principles of the arts and sciences accumulated from all the ages, from men of all professional classes who have worked and thought along social, structural and aesthetic lines. Architecture is a social phenomenon, not an individual phenomenon.

That our profession is the oldest, the broadest and the last to come to consciousness is at once our opportunity and our responsibility. Being in sympathy with so many other professions, it becomes our obligation to wake up and help to prepare for that day of full professional consciousness when men of all classes, from the humblest trades unionist to the exalted statesman, will ask and receive of the treasures laid up in professionalism. Class consciousness is the chief reason for the existence of any professional organization.

The world is fast becoming aware of the great value of the professional man. He is the man who stands ready to serve other men in their health and happiness, in their organizations and enterprises, in all their conceptions and achievements. What great commercial enterprise or what mighty utilization of forces would have been achieved by the so-called masters of industry had it not been for the professional man who patiently and sys-

tematically worked it out, practically for the joy of achieving it; or what one of the great machine of finance or industry, or what government in war or peace could survive and develop, but for the continued devotion of the professional man? His services are not paid for in proportion to their value, and for some things he cannot be bought. He is born of the people; seldom, if ever, of autocracy. His equipment is inherited from society and he is the safest and most important trustee for the preservation and development of society the world will ever know.

We are now awakening to the dawn of a new era. The age of kings and princes is the past. The day of barons and aristocrats is waning, and the day of professionalism is at hand. Professionalism carries but one banner, and written on that banner is but one word—service. The law of its being is freedom restrained by culture, training and unbiased devotion to duty. The remuneration of its members is a known fee in proportion to the cost of preparation and the hazard of the undertaking, coupled with that distinctive mental exhilaration, known to no other calling—the joy of solving a problem that makes life still more worth living.

"And only the Master shall praise, and only the Master shall blame;  
And no one shall work for money, and no one will work for fame,  
But each for the joy of the working, and each in a separate star,  
Shall draw the Thing as he sees It for the God of Things as They Are!"

It is our chief duty to develop our organization, in order to develop our class consciousness. By serving with each other in close contact and fraternity we can develop an awareness of our combined strength and power. To belong is not enough—to participate must be the watchword. When we know each other as individuals, we can make ourselves known to society as a class. We may not have been first in war, but we can be first in peace. Let us stand by the professional ideal, to ourselves be true, and unite in one great body and one great purpose, to serve organized society everywhere within the field of our usefulness, with one great unselfish professional organization, the American Institute of Architects.

The man who doesn't advertise, these days, is forgotten. The world is too busy to look up dead ones.

People who want to buy things do not catch the seller, chloroform him and cram the orders into his pocket.

Advertising is the proper education of the public as to where the thing can be found, and therefore it is a necessity.

We are parts and particles of each other, but a little of the kindly glue of human brotherhood is needed to fasten us together. The policeman who keeps the crossing clear, and at the same time informs us as to the location of the post office and the First National Bank, no doubt is, in one sense, an economic waste. On the other hand, he is an economic necessity. He is a necessary middleman.

He relieves the congestion of traffic and granting the hypothesis that he does not misdirect us as to the location of the post office, he speeds us on our way.

The valuable man in any business is the man who can and will co-operate with other men. The foreman who opposes the introduction of a new man into an institution and fights every innovation which he himself does not suggest, is doomed to a gradual and creeping defeat. Men succeed only as they utilize the services and ideas of other men. Co-operate!

Man and the giraffe are the only two living things that can't swim naturally. Throw a day-old kitten into the Mississippi and it will paddle its way to shore. The giraffe can't swim because he's not built that way. Man can't swim, just because he is afraid. The chances are that the reason you are not in the swim—financially or otherwise—is because you are afraid.—Glen Buck.

Just remember this: Give out courtesy, kindness, patience and good-will, and you'll get them all back with compound interest. The men who deserve to rank in Class A do not chew the lint and fuss about the small misfits of life. To take what comes and forget the rest is wisdom. Let Braggo give the janitor the call, and the Hall Boys have it out with the Ashbox Inspector—you can't afford to soil your soul with small scraps. Fight on a big scale, or not at all. The folks who have trouble with ushers are always looking for trouble—and find it. Smile, old boy, smile!

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If nobody knows who you are, or what you have to offer, you do no business, and the world is the loser through giving you absent treatment.

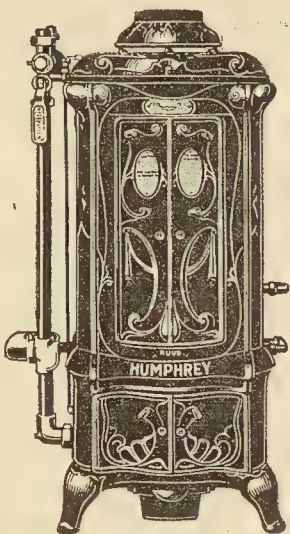
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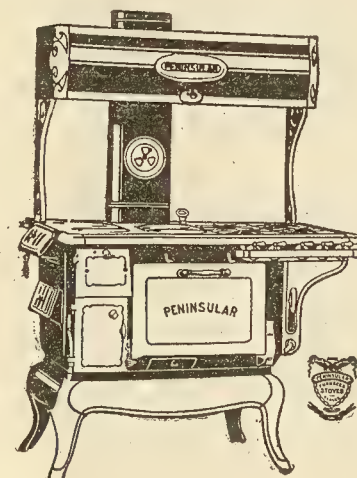
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McCalla Co., The Harold... 531 N. 4th st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truscon Steel Co.....Commonwealth Bldg., Phila.

## Floor Plates.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.  
Alan Wood Iron and Steel Co.,  
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Wm. Lloyd Co.....29th and Ridge ave., Phila.

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Italian Marble Mosaic Co... 433 Spruce st., Phila.  
Roman Mosaic & Tile Co... 435 Green st., Phila.

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General Fireproofing Co. 512 Bulletin Bldg., Phila.  
McCalla Co., The Harold... 531 N. 4th st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
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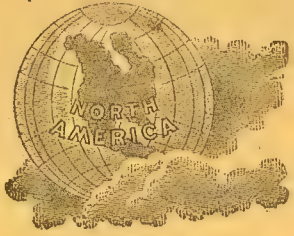
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Vol. XXXIV., No. 40  
October 1, 1919

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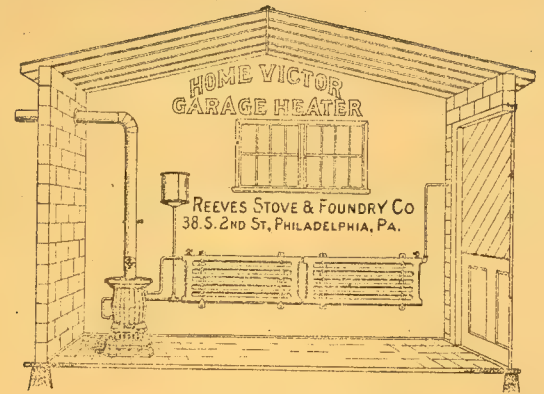
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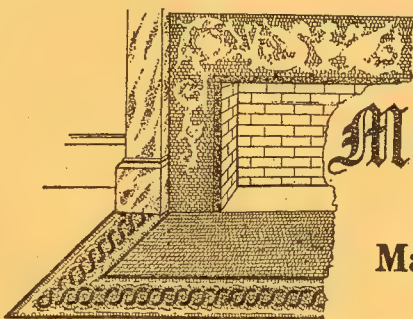
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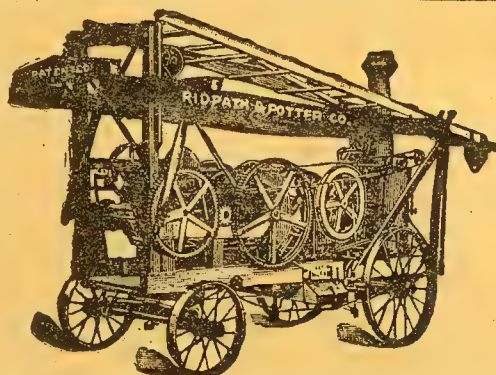
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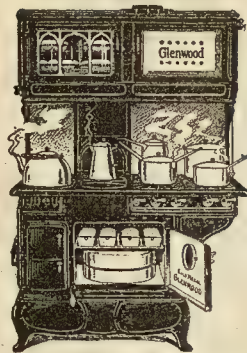
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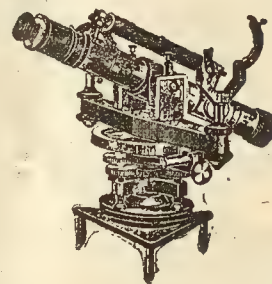
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VOLUME XXXIV  
Number 40

PHILADELPHIA  
October 1, 1919

## BUILDERS' GUIDE

OFFICES, PERRY BUILDING (Suite 824-825-826)  
Sixteenth and Chestnut Sts., Philadelphia, Pa.

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## As The Editor Sees It



## CO-OPERATION AND INDUSTRIAL PROGRESS

Cyrus McCormick, Jr., Works Manager, International Harvester Company, Chicago.

IT IS not the purpose of the present paper to analyze completely all of the various causes entering into the industrial unrest that has swept over the world as a result of the war. Many conferences have given their attention to this subject and have adopted findings differing not so much in essential features as in the details of the plans suggested to ameliorate existing conditions.

It has been suggested that the difficulties under which employers and employees are operating are due to the nervous tension resulting from the war; to the high cost of living; to the fear of unemployment; to insufficient wages; to desire to share in the profits of industry; to a revolt against the old order of things whatever that may have been, etc. Each critic has, however, been more or less in agreement that the war taught nations once and for all time that individual workmen must be regarded as human beings. They are, to be sure, an element in production just as is the management, but the time has gone by when human labor can be bought and sold as are machines, tools, or raw materials. This lesson has long ago been learned by the majority of American employers, among whom the more liberal have for years been taking every forward step suggested to bring about a humanizing of industry. The results of the war, however, have made radicals out of many conservatives until at the present time some of the older European nations have, in theory at least, gone ahead of the United States. The man, as opposed to the machine, has the power to think, and is endowed with a soul. He is at last seeking

recognition of this fact.

In agreement with many critics of the present industrial situation, I believe that the most significant feature in labor conditions of the day is the expressed desire of labor to share in the management of business. This desire has taken on various forms in different parts of the world. In Russia we see it as Bolshevism, which is nothing more or less than a practical application of the doctrines put forth some years ago by the I. W. W. in this country. The Bolsheviks tell us that the entire product of Labor belongs to Labor, and therefore they do not wish to have any one receive a share of industry who is not engaged in manual production. Without attempting to argue the economics of this situation, I merely call attention to it as the most radical phase of this desire. The Russian wants not only a share in the management, but the entire management. It has also been said that 65 per cent. of the strikes which have taken place in Central Europe since the war are of purely syndicalist origin. In this country we have had demand after demand catalogued generally under the term of "better conditions." In England we have seen a complete disruption of industry from which has grown up the so-called Whitley Plan and, more recently, the ever-widening clamor for nationalization of industry. The underlying significance of all these movements is the final realization that the relations of employers and employees must from now on be formed on something besides a cash basis. The workman is as interested as ever in his wages and in his hours, but he is asking for more. Sometimes the demands are not well understood

even by those putting them forward. What the workman really wants is self-expression. They are asking the right to discuss and adjust matters affecting their own interests.

Many employers in this country, sensing this situation, are admitting the right of their employees to discuss in joint conference, with Labor. This, of course, has involved matters affecting the mutual interests of Capital and Labor. This, of course, has involved a recognition of the principle of collective bargaining. Economists of the older school tell us that collective bargaining is detrimental to the best interests of the employees and that any artificial interference with wages will result in an artificial attempt to regulate prices. They claim that values are regulated by economic laws. This, of course, is true to a certain extent, but on the other hand it can be argued that collective bargaining is an aid to humanity and that it allows other economic laws to operate which might otherwise be held in abeyance. Not many years ago the doctrine of "caveat emptor" ruled every economic transaction and the business world was permeated with the ethics of David Harum. Just as that doctrine has vanished, so now is vanishing the fear of collective bargaining, and we find ourselves not only admitting the right of workmen to participate in the determination of working conditions but also discussing how this right may be most surely exercised. The method finding most favor in this country can perhaps best be classified by simply calling it Employee Representation.

Reasons for Adoption of Employee Representation.

There appear to be four main reasons why

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employers are seriously considering the adoption of employee representation.

1. Syndicalism has made such rapid strides in eastern Europe that some men, not recognizing the fundamental solidarity of the American people are afraid that this country is about to deliver itself to Bolshevism; therefore they are seeking to head off this unrestrained development and to provide a saner method by which the legitimate desires of the workmen for self-expression may be granted without at the same time completely ruining our present industrial fabric. Men of this opinion argue that the laborer has a right to speak for himself, and wish to give him this right before he resorts to revolution to obtain by force what he may think is being withheld from him. They believe discussion in an open forum cannot but bring results and that through efficient co-operation Capital and Labor, working together, will avert any possible danger of anarchy.

2. There is a close parallel existing between the movement in favor of employee representation and the growth of democratic government. Europe in the eighteenth century considered Frederick the Great's government to be nearly ideal. Later thinkers have called his government a benevolent despotism. Frederick was an enlightened man who elaborated a theory of government whereby the monarch sincerely tried to do the best he could for his people but always with the end in view of solidifying and increasing his own personal power. He built them fine buildings, instituted systems of education, did everything in his power to keep his subjects happy, but all with the object of furthering his own ambitions. Eighteenth century Germany was materially happy but individually it was not allowed to have a voice in the direction of its own affairs.

Frederick was autocratic as any Czar and his form of government a despotism; but because he tried to do right and interpret in the fairest sort of way the desires of his people, his despotism was benevolent. Now until recent years our industrial system was also a benevolent despotism. Large employers in this country and abroad instituted welfare work; started systems of insurance and compensation; made the conditions of their working people as pleasant and safe as possible; but everything that was done was paternally imposed from the top and did not come as a result of the expressed desire of the great body of employees. This system was benevolent, to be sure, but it was nevertheless despotic to a great extent. Just as benevolent despotism in politics has given way to a great democracy wherein the governed have every right of self-expression, so in industry we are now finding the old system being set aside. Now the employee is not only given the right, but is urged to accept it, to sit on an equal basis with his employer and decide every question which affects his interests. Industry is becoming democratic.

3. It is easy to point a finger of scorn at our present civilization and condemn it as being overly materialistic. Metaphysicians from Aristotle to the present day have argued against materialism. Phrasing their thoughts in the vernacular and adapting their theories to modern times, we may say that we must find some new cause for our existence besides the worship of the almighty dollar. The joy of doing things rightly will in the end give men a more real satisfaction than the material results of their efforts. Applying metaphysics to employee representation, we may describe it as a concrete effort to introduce moral right into industry. It will be many generations before materialism van-

ishes from our daily life, but surely employee representation is a step in the right direction. Idealism, after all, is something the world would do well to analyze as a necessity of today rather than of the Hereafter.

4. Looked at superficially, employee representation is expensive. It costs a certain amount of money to pay the added salaries, to do the clerical work involved, and the like; but those employers who have had the best experience say that it is really economical and efficient. They believe it pays; they believe the added interest a man must have in his work when he knows he has a share in the control of it, will go a great way toward bringing about the final efficiency of production which must be secured if the present pace of manufacturing is to be maintained. Scientific management has just one more step to take. It must become endowed with soul in order to become more efficient; and its savings must depend not upon force or will, but upon the consent of the governed. The war has proven that democratic society, while superficially less efficient than autocracy, is in the end far stronger in the face of the most awful competition human ingenuity can devise.

#### Fundamental Principles Underlying Employee Representation.

There are certain fundamental principles underlying any plan of employee representation. These are as follows:—

1. In the first place, there must be full representation (here I quote from the plan of the International Harvester Company) "on all questions relating to working conditions, protection of health, safety, wages, hours of labor, recreation, education, and other similar matters of mutual interest to the employees and the management." When we came to draft that clause in our plan we decided to make it as broad as possible. We felt the necessity of allowing the plan to include discussion on every possible subject of mutual interest. Those who may be considering undertaking such a plan must make up their minds to go into it completely or not at all. The plan must be broad if it is to be democratic, and if it is not broadly democratic it cannot succeed. The time may come when employees will wish to share in the executive management of a business. This, however, will be a matter for generations of education and development; and at the present time no one except the syndicalists is demanding participation in the management except as it affects the interests of the men.

2. A truly democratic plan of employee representation must involve joint conference between men and management. Without entering into a discussion of who may constitute the parties to industry, I may take it for granted that they include Capital, Labor, and the Consumer. As long as these three interests remain unacquainted with each other they must be mutually suspicious. Under employee representation we cease to fear discussion. We believe that if any subject can be brought out into the open where it can be tested by the clash of men's minds and where honest opinions are exchanged in free and happy discussion, a right solution cannot be long delayed. The fundamental point is to get together; to talk things over; to debate them; to understand each other's intelligently expressed opinions—and then the solution will come by itself.

3. The third point is to have sufficient representation. The numerical unit of representation will largely be dependent upon the character of the business in question. Small factories or offices may have one represen-

tative to each 25 or 30 employees. Large factories may have one representative to every 200 or 300 men. Suffice it to say that the constituency must be small enough to give each voter some contact with his representative. On the other hand, it must not be so large that the council, committee, or legislative body is so numerous that there can be no real discussion between the representatives of the men and the management.

4. There must be an easy, secret method of election to give the men absolute freedom in choosing their representatives. The War Labor Board considered this question at great length. They at first thought it advisable to hold the elections outside the plant for fear of there being some interference on the part of the management. Subsequently, however, they reversed this practice. In no case, however, to my knowledge, where such a plan is in operation, has any employer tried to direct the voting. It has been found advantageous to all concerned to allow workmen just as much freedom in choosing their industrial representatives as they already possess in choosing their Congressmen or Aldermen. Only if the choice is absolutely free will the appointed representatives of the management be able to get in touch with the real opinion of the men.

5. The plan must provide for an easy method of appeal to the highest authority in the company. Red tape must be conspicuous by its absence. If a workman has some grievance which he cannot settle directly with his foreman he may call his representative into conference. If these three reach an agreement the matter is then settled. If not, the employee representative may take the matter straight to the superintendent of the plant. If the matter is then not settled it should go easily and quickly to the Works Council, where representatives of the management and the employees will deliberate upon its merits. If they are unable to settle the affair it should go to the president of the company. If the president cannot accept or suggest a satisfactory adjustment, there comes the question of arbitration. Perhaps here, future developments will assign the duty of arbitrator to representatives of the community, but at present such agencies do not exist. In general, if there has been a sincere endeavor on the part of all concerned to examine the question fairly and frankly, there will be small need of arbitration.

6. Any plan of employee representation will fail unless there is a real determination to avoid any discrimination (and here again I quote from the International Harvester Company plan) "on account of race, sex, political or religious affiliation, or membership in any labor or other organization." This does not mean, for example, that an employer forfeits the right to employ whomever he wishes; it does mean that once a man has been considered worthy of employment he has now entered into the bosom of the industrial family and must be considered worthy also to express his own opinions upon matters affecting himself.

7. If employee representation is to succeed it must have executive supervision, just as industrial concerns employ specialists in machining, in foundry work, in heat treating, in progressive assembly, in accounting and the like. And as they recently found it desirable to employ specialists in employment and safety work, so now they are finding it necessary to employ specialists in industrial relations. The best man in the country is not too good to act as chief of the department of industrial relations of any company incorpor-

(Continued on Page 605.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Administration Building, Merchandise Building and Power House**, Northeast Boulevard, between Whitaker and Langden streets, Philadelphia. Architects, George C. Nimmons Co., Chicago, Ill. Owners, Sears, Roebuck Co., Chicago, Ill. Concrete, brick, steel and terra cotta, 6 stories, 81x301 feet, wings 64x76 feet and 81x120 feet; 9 stories, 60x361 feet, 2 wings, 120x360 feet, and 1 story, 175x183 feet, slag and tile roof, maple and composition floors, metal lath, safety treads, roof ventilators, waterproofing, concrete foundation, tile and marble work, rolled steel sash, hollow metal skylights, hollow metal and rolling steel doors, steel stairs, iron work, waterproofing, iron work, metal lath, safety treads, roof ventilators. Architects have received bids.

**Residences and Garages (32)**, Windrim Terrace, Philadelphia. Architect, Reuben Beard, Liberty Building, Philadelphia. Owner's name withheld. Stucco and timber, 2 stories, 15x40 feet and 8x18 feet, slag, shingle and tile roof, hardwood and cement floors, cement driveway, hot water heat, electric light, tile work, stone foundation. Architect will take general bids in two weeks.

**Commercial Building (alts.)**, 425 Market street, Philadelphia. Architects, Clark & Dudnick, Drexel Building, Philadelphia. Owner's name withheld. Brick front, 4 stories, slag roof, pine floors, electric lighting, plumbing, metal lath, plastering, stairways. Architects taking bids, due as soon as possible. Lam Building Co., 1001 Wood street; Hurley Bros., Franklin Trust Building, are figuring.

**Building (alts.)**, 1722 Chestnut street, Philadelphia. Architect, H. B. Weldon, Fuller Building, Philadelphia. Owner, D. B. S. Chew, 1722 Chestnut street, Philadelphia. Brick and steel, 4 stories, repairs to roof, oak floors, metal lath, tile and marble work, hollow metal skylights, carpentry, cast stone, sheet metal work, plastering, hardware, painting and glazing. Architect has received bids.

**Manufacturing Plant**, Stenton avenue and Loudon street, \$100,000. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Wicaco Screw and Machine Works, Inc., Seventh and Wood streets. Brick and concrete, 3 stories, slag roof, cement floors, steam heating, electric lighting. Plans in progress.

**Residences (23)**, south side of Locust street, between Fifty-fourth and Fifty-fifth streets. Architect, E. Allen Wilson 1218 Chestnut street, Philadelphia. Owner, Samuel Schlosberg, 6146 Pine street, Philadelphia. Brick, 2 stories, 16x50 feet, slag and slate roof, hardwood floors, hot water heating, combination lighting, tile work. Plans in progress.

**Garage**, 5211 North Fifth street, Philadelphia. Architect, Peter Kuhn, 3058 North Eighth street, Philadelphia. Owner, Mr. Boehling, 5211 North Fifth street, Philadelphia.

Brick, 1 story, 60x120 feet, slag roof, cement floors, stone foundations, hot water heat, electric light, rolled steel sash. Architect has received bids.

**Bank (int. alts.)**, 925 Chestnut street, Philadelphia. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owners, Federal Reserve Bank, on premises. Interior alterations to make room for vault. Architects have received bids.

**Stores and Apartments (5)**, southeast corner of Sixtieth and Chestnut streets, Philadelphia. Architects, Clark & Dudnick, Drexel Building, Philadelphia. Owner, Morris Silver, on premises. Brick, 3 stories, 16x84 feet, stone foundations, slag roof, oak floors (heating reserved), electric light, iron work. Owner has received bids.

**Store (alts.)**, 1433-35 South street, Philadelphia. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, William Meenehan, Sixty-second and Walnut streets, Philadelphia. General interior alterations, repairing floors, plastering, carpentry, flush bulks, steel beams and columns. Architects have received bids.

**Store (alts.)**, 40 South Sixtieth street, Philadelphia. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, William Meenehan, Sixty-second and Walnut streets, Philadelphia. Interior alterations, plastering, carpentry, flush bulks, steel beams and columns. Architects have received bids.

**Residences (2)**, 5014-16 Saul street, Philadelphia, \$12,500. Architect, private plans. Owners, George R. Osborne & Son, 5017 Duffield street, Philadelphia. Brick, 2 stories, 16x44 feet, slag roof, hot air heating, electric lighting, hardwood floors. Owners will build.

**Residence (alts.) into Apartments**, 5929 Spruce street, Philadelphia. Architects, Durham Banville Co., 323 Walnut street, Philadelphia. Owner, James Kincaide, 5929 Spruce street, Philadelphia. Brick, 2 stories, slag roof, stone foundations, steam heat, electric lighting, tile work, carpentry, mill work, painting, plastering. Architects taking bids, due October 3rd. W. O. Springer, 1624 Latimer street; E. E. Hollenback, Inc., 1804 Brandywine street; J. D. Fisher, 5424 Thompson street, are figuring.

**Residences (10)**, Roosevelt Boulevard, north of Rising Sun Lane, \$70,000. Architect, private plans. Owner, Robt. D. Hamilton, Godfrey and York Road, Philadelphia. Brick, 2 stories, 16 feet 4 inchesx41 feet 7 inches, hot water heat. Owner will build.

**Apartment House and Store**, 6246 Market street, Philadelphia. Architect, Frederick T. Uezzell, 717 Walnut street, Philadelphia. Owner, Isadore Weinberg, care of architect. Brick, 3 stories, 25x100 feet, slag roof, oak and pine floors, stone foundations, electric lighting, tile work (heating undecided), flush bulks. Architect will be ready for bids in a week.

**Arcade and Office Building**, 1309-11 Walnut street, Philadelphia. Architect, Le Roy B. Rothschild, 1225 Sansom street, Philadelphia. Owners, Heymann & Bro., Widener Building, Philadelphia. Brick, terra cotta, cut stone, 2 stories, 51x230 feet, slag roof, cement and maple and tile floors, stone foundations, steam heat, electric light, fire doors, elevators, waterproofing, dampproofing, iron work. Architect taking bids, due October 6th. Wills-Ludwick Co., 1708 Sansom street; Turner Const. Co., 1713 Sansom street; Warren-Moore Co., Colonial Trust Building; Wark & Co., 1737 Filbert street, are figuring.

**Store alts.**, 734 South street, Philadelphia. Architect, Reuben Beard, Liberty Building, Philadelphia. Owner, J. Frank, on premises. Flush bulk, new bay window, general interior alterations, raising floor, metal ceilings. Architect will take bids in a few days.

**Chimney Foundations (2)**, Frankford Arsenal, Philadelphia. Architect, private plans. Owners, U. S. Government, care of Construction Officer, Frankford Arsenal. Concrete. Owners taking bids, due October 7th at 2 P. M.

**Residence and Garage**, Wynnefield, Philadelphia. Architect, Reuben Beard, Liberty Building, Philadelphia. Owner, H. Wolf, care of architect. Stone and brick, 2½ stories, 24x60 feet, and 1 story, 10x12 feet, asbestos shingle roof, oak and cement floors, plumbing, hot water heat, electric lighting, tile work. Architect will be ready for bids in a week.

**Residence and Store (add. and alts.)**, 1136 Girard avenue, \$3,000. Architect, private plans. Owner, Sam Gremar, 931 North Twelfth street, Philadelphia. Brick, 2 stories, 13x15 feet, general alterations. Owner will build.

**Residence (add. and alts.)**, 1531 Orthodox street, Philadelphia, \$5,000. Architect, private plans. Owner, Jos. R. Emborg, 1106 Real Estate Trust Building, Philadelphia. Brick, 1 story addition, 8x8 feet, general alterations. Owner will build.

**Residence and Store (alts. and add.)**, Eighth and Wilder streets, Philadelphia, \$4,000. Architect, private plans. Owner, Dominick Cotropa, 805 Wilder street, Philadelphia. Brick, third story addition, 16½x17½ feet, general alterations. Owner will build.

**Residences (8)**, west side of Fairhill street, south of Fisher's avenue, \$24,000. Architect, private plans. Owner, Carl Metz, 315 Rockland street, Philadelphia. Brick, 2 stories, 14x30 feet, 11x10 feet, slag roof, hot water heat. Owner will build.

**Garage**, 4655-65 Adams avenue, Philadelphia, \$2,400. Architect, private plans. Owner, J. D. Fotheringham, 1000 Arrott street, Philadelphia. Brick, 1 story, 120x16 feet, slag roof. Owner will build.

**Residence (alts.)**, to Apartment, 1930 Spring Garden street, \$2,500. Architect, private plans. Owner, Mrs. Edw. Page, 2039 Green



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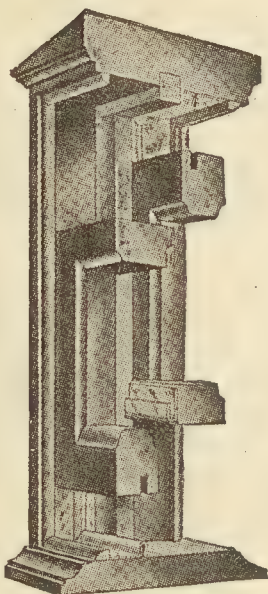
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street, Philadelphia. Brick, 1 story addition, 15x17½ feet, general alterations. Owner will build.

**Residence (alts.)**, 3701 Woodland avenue, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, M. Anapolsky, southeast corner of Fifth and Tasker streets, Philadelphia. General interior alterations, reinforced concrete work, structural steel, hardwood floors, electric lighting, tile and marble work, cabinet work, metal ceilings, store fixtures, flush bulks. Owner is taking sub-bids.

**Residences (27)**, Franklin street, north of Rockland street, \$3,500 each. Architect, private plans. Owner, John T. Clasby, 5528 Larchwood avenue, Philadelphia. Brick, 2 stories, 15x25½ feet and 12x11 feet, slag roof, hot water heat. Owner will build.

**Warehouse (add.)**, 928-30 North Third st., Philadelphia, \$6,000. Architect, private plans. Owners, Geo. Sachemmain Co., 926 North Third street, Philadelphia. Brick, 1 story, 32x58 feet. Owner will build.

**Residence**, Oak Lane, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Harold A. Schloss, 1524 Poplar street, Philadelphia. Stone, 2½ stories, 30x60 feet, slate roof, oak floors, stone foundations, hot water heating, electric lighting, tile work. Plans about completed. Will be ready for bids in two weeks.

**Factory**, Kensington avenue and O street, Philadelphia. Architects, Mahlon H. Dickinson, 1705 Chestnut street, Philadelphia. Owner, Max Sarfert, Kensington and Allegheny avenues, Philadelphia. Reinforced concrete and brick, 2 stories, 53x237 feet, slag roof, concrete floors, metal lath, stone foundations, tile and marble work, rolled steel sash, skylights and doors, waterproofing and dampproofing, iron work (heating and lighting reserved). Architect taking bids due October 6th. Robert E. Lamb Co., 843 North Nineteenth street

John N. Gill & Co., Otis Building; Hughes-Foulkrod Co., Commonwealth Building; Barclay White Co., 1713 Sansom street; Turner Const. Co., 1713 Sansom street; Wark & Co., 1737 Filbert street; Warren-Moore Co., Colonial Trust Building; Raith Const. Co., 304 Master street, and P. Haibach Cont. Co., Twenty-sixth and Thompson streets, are figuring.

**Dwellings (22)**, 2711-53 North Twenty-seventh street, Philadelphia, \$8,900. Architect, private plans. Owner, G. W. Zane, Twenty-seventh and Allegheny avenue, Philadelphia. Brick, 2 stories, 16x40 feet and 16x29 feet, 13x11 feet, slag roof, hot water heat. Owner will build.

**Residence and Garage**, 1428 North Carlisle street, Philadelphia, \$4,000. Architect, private plans. Owner, H. B. Woodward, 1429 North Fifteenth street, Philadelphia. Brick, 2 stories and 1 story, 40x37 feet. Owner will build.

**Residence**, Tacony, Philadelphia. Architect, Edgar A. Wightman, 1213 Filbert street, Philadelphia. Owner, George Gebhart, Tacony, Philadelphia. Brick and stucco, 2½ stories, slate roof, hardwood floors, hot water heating, electric lighting, tile work. Architect taking bids due October 7th. George Rimer, 4842 Hawthorne street; John D. Fotheringham, Castor and Arrott streets; H. H. Wehmeyer, 509 West Cumberland street, and Thomas J. Carberry, Penfield Building, are figuring.

**Building (alts. and add.)**, Sixtieth and Master streets, Philadelphia. Architect, William C. Klein, Jr., 1519 North Fifty-sixth street, Philadelphia. Owner, Overbrook Bank, care of architect. Brick, 3 stories, warm air heat, plumbing, electric light, roof repairs, carpentry and mill work, plastering, metal lath, painting, hardware, iron work. Architect taking revised bid due October 6th from Smith-Hardican Co., 1606 Cherry street.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Residence and Garage**, Washington lane, West of Anderson street, \$7,000. Architect, private plans. Owner, George W. Anthony, 922 Cheltenham avenue, Philadelphia. Brick, 1 and 2 stories, 16 feet 4 inches x45 feet and 16 feet 4 inches x22 feet, hot air heat, electric light. Contract awarded to L. D. Stites, 126 Herman street, Philadelphia.

**Shop**, 836 Carpenter street, Philadelphia, \$4,650. Owner, N. Montirello, 1000 South Ninth street, Philadelphia. Architect, private plans. Brick, 1 story, 18½x102 feet, electric light, slag roof. Contract awarded to Frank Lucci, 1603 Ellsworth street, Philadelphia.

**Garage**, Collins street, North of Westmoreland street, \$3,000. Architect, private plans. Owner, A. Scholler, Northeast Corner Amber and Westmoreland streets. Brick, 1 story, 66x25 feet, electric light, cement floors, slag roof. Contract awarded to Henry S. Barnes, 2080 East Willard street.

**Hotel Apartment**, Northwest Corner Nineteenth and Walnut streets, \$2,000,000. Architects, Price & McLanahan, Bellevue Court Building, Philadelphia. Owners, Rittenhouse Plaza Co., care of architects. Brick, terra cotta, concrete and steel, 19 stories, 100x135 feet, slag roof, composition and cork floors, hollow tile, metal lath, tile and marble work, hollow metal sash, rolled steel skylights, kalamein doors, waterproofing, iron work (elevators, heating, electric lighting reserved). Contract awarded to Cramp & Co., Denckla Building, Philadelphia.

**School Building (alts.)**, Forty-first and Brown streets, Philadelphia, \$5,000. Architect, private plans. Owner, Board of Education, Nineteenth and Chestnut streets, Philadelphia. General alterations. Contract awarded to E. C. Durell, 1713 North Twenty-fourth street, Philadelphia.

**Residence**, Claridge street, South of Cott-



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man street, Philadelphia, \$3,800. Architect, private plans. Owner, Clarence E. Hall, Wisconsin, Philadelphia. Frame, 1 story, 26x36 feet. Contract awarded to A. Phillips, 3613 Knorr street, Philadelphia.

**Store**, Coulter and Tacoma avenues, Philadelphia, \$2,000. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, I. Mullen, 167 Queen Lane, Philadelphia. Brick, 1 story, 30x15 feet, slag roof, electric light. Contract awarded to I. A. Dunkelberger, 71 Herman street.

**Garages (9)**, Tacoma street, North of Coulter street, \$5,000. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, I. Mullen, 167 Queen Lane, Philadelphia. Brick, 1 story, 78x21 feet, cement floors, slag roof, electric light. Contract awarded to I. A. Dunkelberger, 71 Herman street, Philadelphia.

**Store and Storage Building**, 719 Sansom street, Philadelphia, \$2,400. Architect, private plans. Owner, Rosnov & Glick, 415 South Third street, Philadelphia. General alterations. Contract awarded to A. Lashner, 1625 South Orkney street, Philadelphia.

**Garage**, Northeast Corner Sixty-fifth and Media streets, Philadelphia, \$27,000. Architect, private plans. Owner, Glen O. Martin, 323 Beacons Lane, Merion, Pa. Stone, 1 story, 100x150 feet, cement floors, slag roof. Contract awarded to Philadelphia Realty Co., 111 North Mt. Airy avenue.

**Storage Building**, Northwest Corner Church and Tacony streets, Philadelphia, \$3,500. Architect, private plans. Owners, Smedley Bros., Orthodox and Asylum streets, Philadelphia. Frame, 1 story, 42x86 feet, slag roof, cement floor. Contract awarded to George Byers, 1247 Foulkrod street, Philadelphia.

**Service Station**, 2101 Reed street, Philadelphia. Owners, Atlantic Refining Co., 3144 Passyunk avenue, Philadelphia. Architect, W.

G. Wilkins, Pittsburgh, Pa. Brick, 1 story, 19x19x21x28 feet, tile roof, tile floors, stone foundations, hot water heat, electric lighting. Contract awarded to Metzger & Fisher, Otis Building, Philadelphia.

**Garage and Service Station**, 2005-07 South Broad street, \$18,000. Architect, Joseph F. Bradley, 40 North Thirty-eighth street, Philadelphia. Owner, Chevrolet Service Station, care of architect. Brick and concrete, 1 story, 40x150 feet, slag roof, cement and maple floors, hot water heat, electric light, tile work, hollow metal skylights. Contract awarded to J. D. Fisher, 5424 Thompson street, Philadelphia.

**Residence (alt. and add.)**, 4655 Locust street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Mrs. Caroline McC. School, 4655 Locust st., Philadelphia. Brick, 2 stories, 14x12 feet, slag roof, pine floors, hot water heat, combination lighting, tile work. Contract awarded to Walter A. Evitts, 5028 Chancellor street.

**Residence (alts.)**, 616 South Seventh street, Philadelphia, \$1,800. Architect, Reuben Beard, Liberty Building, Philadelphia. Owner, B. C. Friedman, on premises. General interior alterations. Contract awarded to Tony Cola, 1117 Snyder avenue, Philadelphia.

**Residence (alts.)**, 718 Kater street, Philadelphia, \$1,800. Architect, Reuben Beard, Liberty Building, Philadelphia. Owner, Carmino Zirpoli, on premises. New front, general interior alterations. Contract awarded to Angelo Bengola, care of architect.

**Office**, Northeast Corner Torresdale avenue and Benner streets, Philadelphia, \$2,500. Architect, private plans. Owner, Herbert Hargrave, 6102 Torresdale avenue, Philadelphia. Brick, 1 story, 16x48 feet, slag roof, electric light. Contract awarded to Frank W. Zebley, 6012 Hegerman street.

**Bungalow**, Keystone street, North of Van

Kirk street, Philadelphia, \$2,000. Architect, private plans. Owner, Herbert Hargrave, 6102 Torresdale avenue, Philadelphia. Frame, 1 story, 24x32 feet. Contract awarded to Frank W. Zebley, 6012 Hegerman street, Philadelphia.

**Garage**, 385 East Gowan avenue, Philadelphia, \$2,800. Architect, private plans. Owner, Herbert Morris, on premises. Stone, 1 story, 21x25 feet, slag roof, cement floors. Contract awarded to Joseph F. Myers, Jr., & Co., 1237 Ridge avenue, Philadelphia.

**Residence (add. and alt.)**, Fifty-second and Wynnefield avenue, \$8,500. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Horace Trumbauer, Land Title Building, Philadelphia. Brick, 3 stories, 18x18 feet and 13x17½ feet. Contract awarded to Milton W. Young, 2012 North Sixtieth street, Philadelphia.

**Garage**, 3954-56-58 Grant avenue, Philadelphia, \$25,200. Architect, private plans. Owner, Moses, Sacks & Lipschutz, 818 South street, Philadelphia. Brick, 2 stories, 54x110 feet, cement floors, slag roof. Contract awarded to Louis Cohen, 417 Christian street, Philadelphia.

**Ice Plant and Bottling House**, 2428-48 North Eighth street, Philadelphia. Architect, William F. Koelle & Co., Twenty-sixth and Oxford streets, Philadelphia. Owners, Breyer Ice Cream Co., Eighth and Cumberland streets, Philadelphia. Brick, steel and terra cotta, 3 stories, 49x78 feet, slag roof, cement floors, stone foundations, rolled steel sash and doors, fire escapes, iron work, plumbing, carpentry and mill work (heating and electric lighting reserved). Contract awarded to William F. Koelle & Co., Twenty-sixth and Oxford streets, Philadelphia.

**Stanley Theatre**, Nineteenth and Market streets, Philadelphia, \$1,000,000. Architects, Hoffman, Henon, Inc., Finance Building, Phil-

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adelphia. Owners, Stanley Co. of America, care of J. McGuirk, vice president, 1214 Market street, Philadelphia. Brick, terra cotta and steel, 1 story and balcony, 143x176 feet, slag and composition roof, tile, maple and composition floors, concrete foundations, steam heating, electric lighting, marble work, rolled steel skylights, kalamein and hollow metal doors, fire escapes, ornamental iron work, metal lath, roof ventilators, dampproofing. Contract awarded to Keystone State Const. Co., Franklin Bank Building.

**Residences (2)**, Madison avenue, East of Eighty-eighth street, \$8,000. Architect, private plans. Owner, R. W. Wood, Eighty-second and Tinicum street, Philadelphia. Brick, 2 stories, 16x60 feet and 12x12 feet, slag roof, hot water heat. Contract awarded to Fred Paulson, 7500 Island road, Philadelphia.

**Residence (alts.)**, 1903 North Eighteenth street, Philadelphia. Architect, private plans. Owner, Emil Rothschild, 1307 Market street, Philadelphia. Electric lighting, hardwood floors, mill work, flush bulks. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

**Boiler Shop**, Lombard and Water streets, Philadelphia, \$9,900. Architect, private plans. Owner, John Baizley Iron Works, 514 South Delaware avenue, Philadelphia. Brick and reinforced concrete, 2 stories, 18x78 feet, slag roof, stone foundations, concrete floors, rolled steel sash, iron work. Contract awarded to Davis & Clayton, 1817 North Twentieth street, Philadelphia.

**Garage**, 5154-60 Thompson street, Philadelphia, \$7,000. Architect, private plans. Owner, Odenath & Sons, on premises. Brick, 2 stories, 60x94½ feet, cement floor, slag roof. Contract awarded to Shaffer & Mattheso, 1612 S. Ithan street, Philadelphia.

**Hospital (alts.)**, 1745 North Fourth street, Philadelphia, \$6,000. Architect, private plans. Owner, John B. Stetson Co., Fifth and Montgomery avenue, Philadelphia. General alterations. Owners will build.

**Garage (add.)**, Rosehill and Allegheny avenues, Philadelphia, \$4,000. Architect, private plans. Owners, Rosehill Garage Co., on premises. Brick, 1 story add., 52x34 feet, slag roof, cement floors. Contract awarded to Harry Brocklehurst, 512 West Norris street.

adelphia. Owner, Langhorne Wall Paper Co., South Langhorne, Pa. Concrete, brick and steel, 1 story, 50x202 feet; slag roof, timber floors, mill work (plumbing, heating and lighting reserved). Architect will be ready for bids in a week.

**Electric Steel Foundry Building**, Bloomsburg, Pa. Architect, private plans. Owners, Richard Mfg. Co., Bloomsburg, Pa. Brick and corrugated iron siding, 1 story, 103x200 feet, composition roof, roof ventilators, iron work, stone foundations, rolled steel sash. Owners taking bids due as soon as possible. Hughes-Foukrod Co., Commonwealth Building, figuring.

**Filling Station**, Ardmore, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, Sun Company, Finance Building, Philadelphia. Plaster, 1 story, 13x25 feet, blue tile roof, cement floors, hollow tile, electric lighting, stone foundations, waterproofing (heating reserved). Architect taking bids due October 4th. E. J. Hedden, Finance Building; J. Percival Johnson, 4039 Lancaster avenue; Standard Const. Co., 1713 Sansom street; Barclay White Co., 1713 Sansom street; A. L. Fretz & Son, Heed Building; Metzger & Fisher, Otis Building; F. A. Havens Co., 845 North Nineteenth street; William R. Graham, 3649 Filbert street, and Henry C. Dahl, 231 South Eighth street; Pomeroy Const. Co., 1609 Ransstead street, are figuring.

**Residence**, Abington, Pa. Architect, William H. Wooters, 816 West Allegheny avenue, Philadelphia. Owner, Harry V. J. Valet, care of architect. Hollow tile and stucco, 2½ stories, 24x42 feet, asbestos shingle roof, oak and pine floors, cement work, hot water heat, electric lighting, tile work, stone foundations, enclosed porch. Revised plans in progress.

**Residence**, Wayne, Pa. Architects, Boyd, Abel and Gugert, Seventeenth and Walnut

## PENNSYLVANIA

### Construction News

**Garage (alts. and add.)**, East Lansdowne, Pa. Architect, Jesse T. Hoekstra, 925 Presser Building, Philadelphia. Owner, name withheld. Temporary frame building, add. 60x60 feet, slag roof. Architect will be ready for bids in two weeks.

**Theatre and Stores**, Ninth and Welsh streets, Chester, Pa. Architect, H. Childs

Hodgens, 130 South Fifteenth street, Philadelphia. Owner, Thomas M. Love, Broad Street Theatre, Philadelphia. Brick, terra cotta, stone, concrete and steel, 2 stories and mezzanine, 118x150 feet, slag roof. Plans in progress. Too early for details.

**Factory (add.)**, South Langhorne, Pa. Architect, Reuben Beard, Liberty Building, Phila-

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streets, Philadelphia. Owner, C. H. Wetzell, Haverford, Pa. Brick and plaster, 2½ stories, 36x48 feet, shingle roof, oak floors, hollow tile, stone foundations, hot water heat, tile work, iron work (heating, plumbing and electric light reserved). Architects taking bids due October 4th. A. L. Fretz & Son, Heed Building, figuring.

**Residence**, Radnor, Pa. Architects, D. K. Boyd, V. Abel and F. Gugert, Seventeenth and Walnut streets, Philadelphia. Owner, O. H. Wolf, Radnor, Pa. Brick and terra cotta, 2½ stories, irregular size, shingle roof, oak floors, vapor heat, electric light, tile work. Architects taking bids due October 4th. A. L. Fretz & Son, Heed Building, are figuring.

**Residence**, Narberth, Pa. Architects, D. K. Boyd, V. Abel and F. Gugert, Seventeenth and Walnut streets. Owner, A. E. Wohlert, Narberth, Pa. Stone, 2½ stories, 25x37 feet, slate roof, oak floors, metal lath, stone foundations, tile work (electric light, plumbing and hot water heating reserved), iron work. Architects taking bids due October 4th. A. L. Fretz

& Son, Heed Building, are figuring.

**Stores and Apartment Building**, Tamaqua, Pa. Architect, Benjamin Rush Stevens, Inc., 1737 Filbert street, Philadelphia. Owner, Harry Gardner, Tamaqua, Pa. Brick, terra cotta and steel, 2 stories, 28x100 feet, slag roof, oak and pine floors, metal lath, tile work, hollow metal skylights, waterproofing, iron work, stone foundations (heating, plumbing and electric light reserved), waterproofing. Architect taking bids due October 2nd. H. E. Batton, 1713 Sansom street, and A. L. Graff, Tamaqua, a., are figuring.

**Residence (alts. and add.)**, Mahanoy City, Pa., \$15,000. Architect, Benjamin R. Stevens, 1737 Filbert street, Philadelphia. Owner, Dr. A. P. Seligman, 76 South Main street, Mahanoy City, Pa. Frame and stucco, 2 stories, slate roof, electric lighting. Architect taking bids due as soon as possible. Walter Wertley, Pottsville, Pa.; Andrew Breslin, Summit Hill, Pa.; L. Graff, Tamaqua, Pa.; H. Ball & Son, Mahanoy City, Pa., and J. J. Heran, Shenandoah, Pa., are figuring.

## PENNSYLVANIA

### Contracts Awarded

**Factory**, Allentown, Pa. Architect, private plans. Owners, International Motors Co., Allentown, Pa. Brick, concrete and steel, 1 and 2 stories, 300x600 feet and 60x300 feet, slag roof, concrete floors, concrete foundations, rolled steel sash and skylights. Contract awarded to Austin Co., Bulletin Building, Philadelphia.

**School**, South Side, Bethlehem, Pa. Architect, Verus T. Ritter, North American Building, Philadelphia. Owner, Board of Education, Bethlehem, Pa. Brick and stone, 3 stories, 150x270 feet, composition roof, metal lath, roof ventilators, stone foundations, steam heat, electric lighting, tile, marble and terrazzo work, hollow metal skylights, roof ventilators, iron stairs, safety treads. Contract awarded to F. F. Speck, Bethlehem, Pa.

**Residence (alts.) and Studio (add.)**, Ardmore, Pa. Architects, Seeburger & Rabenold, Weightman Building, Philadelphia. Owner, S. S. White, 3rd, Ardmore, Pa. Hollow tile and plaster, 22x42 feet add., shingle roof, oak floors, hot air heating (electric work reserved). Contract awarded to John E. Kearney, 34 South Seventeenth street, Philadelphia.

**Memorial Bridge**, Harrisburg, Pa. Architect, A. W. Brunner, 101 Park avenue, New York City. Owners, Department of Public Grounds and Buildings, care of Mr. Shreiner, Superintendent, Capitol Building, Harrisburg, Pa. Granite and stone, concrete foundations, electric lighting, waterproofing, iron work, 80 feet wide, 2,687 feet long. Contract awarded to Central Const. Co., Harrisburg, Pa., \$2,384,457.98.

## NEW JERSEY

### Construction News

**Bungalow**, Ventnor, N. J. Architects, Druckemiller & Williams, 1527 Chestnut street. Owner, name withheld. Hollow tile and plaster, 1½ stories, 40x50 feet, asbestos shingle roof, hardwood floors, electric lighting, plumbing, concrete foundations. Architects will be ready for bids in a few days.

**Stores**, Laurel street, Bridgeton, N. J. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owner, name withheld. Brick, 2 stories, 70x48 feet, concrete foundations, slag roof, pine floors, electric lighting (heating reserved). Plans in progress. Owner will take bids in one week.

**Residence (alts.)**, Merchantville, N. J. Architects, Moffett & Truscott, 30 North Third street, Camden, N. J. Owner, name withheld. Extensive interior and exterior alterations. Architects taking sub-bids.

**Apartment**, Pacific avenue, Atlantic City, N. J., \$30,000. Architect, Bertram Ireland,

Guarantee Trust Building, Atlantic City. Owner, name withheld. Brick, 2 stories, 43x65 feet, concrete foundations, shingle roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress.

**Hotel (alt. and add.)**, St. Charles street, Atlantic City, \$40,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, name withheld. Brick and frame, 6 stories, 30x70 feet, concrete foundations, slag roof, yellow pine floors, electric light. Plans in progress.

**Hotel**, centre of city, Atlantic City, N. J., \$3,000,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, name withheld. Brick, stone, steel, 15 stories, 181x482 feet, stone and concrete foundations, concrete roof, concrete and hardwood floors, high pressure heat, electric light, tile, marble and terrazzo work, roof ventilators. Plans in progress. Too early for details.

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**Casino**, Trenton, N. J., \$50,000. Architect, S. G. Dobbins, 18 South Virginia avenue, Atlantic City. Owner, name withheld. Hollow tile, 3 stories, 60x100 feet. Plans in progress.

**Bungalow**, North Austin avenue, Atlantic City, N. J. Architect, W. B. Riebenack, Guarantee Trust Building, Atlantic City. Owner, George Ryan, Commercial Trust Building, Philadelphia. Brick and frame, 1 story and basement, 29x55 feet, concrete foundations, shingle roof, pine floors, hot water heat, electric light, tile work. Architect will take bids next week.

**Apartment**, Tennessee avenue, near Beach, Atlantic City, N. J. Architect, W. S. Hewitt, Guarantee Trust Building, Atlantic City. Owners, Mrs. M. Theodoropoulos, Atlantic City, N. J. Brick and hollow tile, 3 stories, 25x50 feet, concrete foundations, composition roof, pine floors, hot water heat, electric light, tile and marble work. Plans in progress. Architect will take bids.

**Moose Hall (add.)**, Atlantic avenue near New Jersey avenue, Atlantic City. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owner, I. O. O. F., Atlantic City, N. J. Brick, 3 stories, 38x74 feet, concrete foundations, slag roof, wood and cement floors, hot water heat, electric light. Architect will take bids in one week.

**Apartment House**, Pacific and Providence avenues, Atlantic City, \$20,000. Architect, S. G. Dobbins, 18 South Virginia avenue, Atlantic City. Owner, Mrs. M. Vatter, Alexandria Apartments, Atlantic City, N. J. Brick, 5 stories, 40x85 feet, slate roof, hardwood floors, steam heat, electric light. Architect has received bids.

**Residences (twin)**, Winchester and Princeton avenues, Atlantic City. Architect, W. B. Riebenack, Guarantee Trust Building, Atlantic City, N. J. Owner, Freund Bros., Maryland avenue and Boardwalk, Atlantic City. Frame, 2 stories and basement, slag roof, pine floors, pipeless heat, electric light, tile work. Architect has received bids.

**Residence and Garage (alts.)**, 8 South Nashville avenue, Atlantic City. Architect, W. B. Riebenack, Guarantee Trust Building, Atlantic City. Owner, Walter Ryan, on premises. Brick porch, general interior alterations. Architect taking bids due October 3rd. Thompson Brothers, Charles Thompson, W. B. Riebenack, Paul Hammerman and Arthur Trory, all of Atlantic City, and William Shairock, Lynwood, N. J., are figuring.

**Residence (add.)**, 104 South Rhode Island avenue, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owner, Henry Halpern, on premises. Brick, 3 stories, 20x20 feet, concrete foundations, slag roof, hardwood floors, hot water heat, electric light, tile work. Architect taking bids due October 1st. Samuel Headley, S. Dolinsky and Yawmor & Shenkman, all of Atlantic City, N. J., are figuring.

**Residence**, Riverton, N. J. Architect, J. Fletcher Street, 129 South Fifth street, Philadelphia. Owner, Robinson MacMullin, Riverton, N. J. Frame and stucco, 2½ stories, 30x35 feet, shingle roof, oak floors, stone foundations, hot water heating, electric lighting, plumbing. Architect taking bids due October 6th at noon. Smith & Stavelly, George W. Shaner & Son, and John S. Warner, all of Palmyra, N. J., and Louis F. Lowden, Riverton, N. J., are figuring.

**Rectory**, North Mississippi avenue, Atlantic City, N. J. Architect, H. A. Stout, Guar-

antee Trust Building, Atlantic City. Owner, St. Michael's Church, care of Rev. J. Quarimba, on premises. Brick, 3 stories and basement, 29x65 feet, concrete foundations, slag roof, hardwood floors, hot water heat, electric light, tile and marble work. Architect taking bids due October 2nd.

**House**, Ocean City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owner, Edw. M. Sutton, Ocean City, N. J. Brick and frame, 3 stories and basement, 29x49 feet, concrete foundations, slate roof, hardwood floors, hot water heat, electric light, tile work. Owner taking general bids.

**Department Store**, Atlantic City, N. J. Architects, Price & McLanahan, Bellevue Court Building, Philadelphia. Owners, Braunstein-Blatt Co., Atlantic avenue, Atlantic City, N. J. Concrete and terra cotta, 8 stories, 110x150 feet, slag roof, stone foundations. Plans about completed. Architects will be ready for bids in one week.

**Residence**, Merchantville, N. J. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, Grover C. Richman, Camden, N. J. Frame and brick, 2½ stories, 35x55 feet, shingle roof, stone foundations, electric lighting. Architects taking bids due as soon as possible. George W. Shaner, Palmyra, N. J.; John J. Welsh, Clinton street; Harry Brown, 514 Lawrence street, and Baldwin Const. Co., all of Camden, N. J., are figuring.

**Residence (alts. and add.)**, Garage and Boat-house, Atlantic City, N. J. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building, Philadelphia. Owner, name withheld. Frame and shingle, 2 stories, 20x30 feet, garage, 1 story, 15x20 feet, boat house, 1 story, 20x40 feet, shingle roof, pine and cement floors, hot water heat, electric lighting, tile work. Plans in progress.

**Residence**, Moorestown, N. J. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, Ephraim Tomlinson, Camden, N. J. Hollow tile, 2½ stories, 30x50 feet, wing 18x30 feet, shingle roof (steam or vapor heat, electric lighting and plumbing reserved). Plans about completed. Architect will be ready for bids in ten days.

**Building**, Broadway and Mt. Vernon streets, Camden, N. J. Architect, S. I. J. Frisch, 1504 Bradley street, Camden, N. J. Owner, Mr. Lynn, on premises. Steel, brick and terra cotta, 2 stories, 20x63 feet, slag roof, maple floors, stone foundations, hot water heat, electric light, tile work, iron work. Architect taking bids. Potts Bros. & Cooperson, 129 North Eleventh street, are figuring.

**School (alt. and add.)**, Lawrenceville, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owners, Lawrenceville School Board, care of C. W. Kafer, president, Lawrenceville, N. J. Brick, 2 stories, 37x74 feet, stone foundations, slag roof, maple and cement floors, steam heat, electric light, roof ventilators, metal weatherstrip. Plans in progress.

**Stacy-Trent Hotel**, State and Willow streets, Trenton, N. J. Architect, Eisenwein Johnson, Buffalo, N. Y. Owner, Hotel Realty Co., care of L. L. Woodward Co., Trenton, N. J. Associated architects, J. O. Hunt and W. A. Klemann, Trenton, N. J. Brick, concrete and steel, 12 stories, 100x214 feet, steam heat, composition roof, concrete foundations, electric light, tile, marble and terrazzo work, hollow metal sash and skylights, fire and kalamain doors, fire escapes, iron stairs, (6) elevators, roof ventilators, metal window guards, metal



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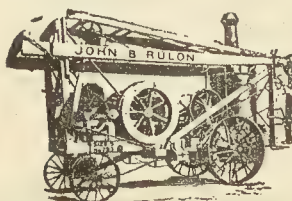
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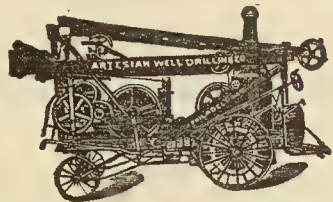


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Boiler Plant (add.), Vineland, N. J. Archi-

tect, F. H. Bent, State Capitol Building, Trenton, N. J. Owner, Soldiers' Home, care of Dr. Jones, Vineland, N. J. Brick, 1 story, 20x15 feet, concrete foundations, tin roof, concrete floors, electric light, pumps, radial brick stack, 100 feet high. Architect taking bids due October 13th. W. G. Royer, Trenton, N. J., is figuring.

## NEW JERSEY

## Contracts Awarded

**Residence (add.)**, 5405 Ventnor avenue, Atlantic City, N. J. Architect, J. Mathis, Guarantee Trust Building, Atlantic City, N. J. Owner, Mr. Ed. Dice, care of P. & R. Railroad Co., Twelfth and Market streets, Philadelphia. Frame, one-story addition, new plumbing, slate roof, hardwood floors, tile work. Contract awarded to J. Mathis & Son, Atlantic City, N. J.

**Apartments (2)**, South Sovereign avenue, Atlantic City, N. J. Architects, J. Mathis & Son, Guarantee Trust Building, Atlantic City. Owner, J. E. Coatesworth, 1806 Atlantic avenue, Atlantic City. Brick, 2 stories, 27x60 feet, brick foundations, slag roof, pine floors, hot water heat, electric light, tile work. Contract awarded to J. Mathis & Son, Atlantic City, N. J.

**Apartment**, Ventnor and Bartram avenues, Atlantic City, N. J., \$85,000. Architect, W. B. Riebenack, Guarantee Trust Building, Atlantic City. Owner, Dewey Apartment Co., Law Building, Atlantic City, N. J. Brick, 3 stories, 98x65 feet, concrete foundations, slag roof, hardwood floors, hot water heat, electric light, tile and marble work. Contract awarded to James Mathis & Son, Atlantic City, N. J.

**Apartment House**, North Pine avenue, Atlantic City, N. J. Architect, W. B. Riebenack, Guarantee Trust Building, Atlantic City. Owner, name withheld. Brick, 3 stories, 20x55 feet, concrete foundations, slag roof, pine floors, central heating system, electric lighting, tile work. Contract awarded to Holant Const. Co., Atlantic City, N. J.

**Residences (100)**, Venice Park, Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, name withheld. Frame and concrete, 1 story, 25x34 feet, concrete foundations, shingle roof,

pipeless heating, electric lighting, pine floors. Contract awarded to P. G. Hannum, 16 North Georgia avenue, Atlantic City, N. J.

**Residence**, Cuyler avenue, Trenton, N. J., \$4,000. Architect, private plans. Owner, A. J. Warner, 1116 Hamilton street, Trenton, N. J. Brick, 2½ stories, 20x35 feet, stone foundations, slate roof. Owner will build.

**Church (alts. and add.)**, Perth Amboy, N. J., \$16,000. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owners, St. Peter's Church, Perth Amboy, N. J. Brick and cut stone, 1 story, 38x98 feet, add. 19x22 feet, slate roof, wood floors, steam heating, electric lighting. Contract awarded to W. Zangenberg, Perth Amboy, N. J.

**School**, 428 East State street, Trenton, N. J., \$100,000. Architect, private plans. Owners, F. B. Moore and J. E. Gill, River Road, Trenton, N. J. Brick, steel and terra cotta, 3 stories, 67x132 feet, concrete foundations, slag roof, steam heating, electric lighting, reinforced concrete floors, tile work, rolled steel skylights, roof ventilators. Contract awarded to S. W. Mather & Son, Trenton, N. J.

**Power House**, New York avenue, Trenton, N. J., \$20,800. Architect, private plans. Owner, Trenton Malleable Iron Co., New York avenue, Trenton. Brick, 78x36 feet, concrete foundations, slag roof, reinforced concrete floors. Contract awarded to S. W. Mather & Son, Trenton, N. J.

**Machine Shop**, Lewis street, Trenton, N. J., \$39,550. Architect, private plans. Owner, J. E. Thropp Sons Co., Lewis street, Trenton, N. J. Brick and steel, 1 story, 289x63 feet, concrete foundations, asbestos roof, concrete and wood floors. Contract awarded to S. W. Mather & Son, Trenton, N. J.

## Miscellaneous Construction News

**School**, Winston Salem, N. C. Architects, Charles Barton Keen, Bailey Building, Philadelphia. Owners, Robert J. Reynolds, Memorial School, care of Mrs. R. J. Reynolds, Winston-Salem, N. C. Hollow tile and plaster, 1 story, 115x70 feet, wing 46x85 feet and 45x85 feet, tile roof, steam fan system of heating, electric lighting, tile and marble work, cork tile, wood and cement floors. Plans completed. Owner and architect will sub-let.

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## Proposals

### INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 22, 1919. Sealed proposals will be received at this office until 3 P. M., October 13, 1919, and then opened, for remodeling at the United States Post Office and Custom House, Fall River, Mass., in accordance with the specifications and drawings mentioned therein, copies of which may be had at this office or at the office of the Custodian, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Building Lime—Buy pure lime, no core, no grit—Chemical Lime. **DAVID FRANCE CO.**, Tasker Street Wharf, Delaware River, Phila. Both 'phones.



(Continued from Page 596.)

ating such a plan. The man chosen may be related either to the president of the company or to the official in charge of production. The labor problem is the great question of today and tomorrow, and the specialist who gives his attention to its solution cannot be too well thought of in any industrial organization.

This paper has advisedly been given the title, "Co-operation and Industrial Progress." Co-operation means that those employers who have adopted employee representation are finding a practical application of the theory that Capital and Labor are friends, not enemies. We are finding that the objects we are after are one, and that if this common object is to be obtained our method of approach must be along the same line. Capital cannot exist without Labor, and Labor without Capital is helpless. The development of each is dependent upon the co-operation of the other. Furthermore, through employee representation, Capital and Labor are finding a very pleasant mutual understanding of each other's problems. Many advocates of employee representation speak of the great benefits to be derived when the men at large understand the problems of management. This is true, but it is also equally important for the management to become educated in the viewpoint of the men. In former years, when an employer ruled one or two hundred workmen, he knew his men individually, and they understood him. Now, on the other hand, the corporation has replaced the individual employer and the employees are numbered by thousands instead of hundreds. It is, therefore, impossible for the managers of a business to maintain personal contact with their employees. Industry has gained more efficiency through the development of large units, but the old personal contact between owner and workmen has been lost. Civilization cannot afford to do without the economy of large production, and it is looking to employee representation to bridge the present gap and to bring the men into contact with the management and the management in direct contact with the men.

Those men who object to employee representation argue that employees are more interested in high wages; that they will elect undesirable or incapable representatives; that they will break down the discipline of the shop, and that it is merely an invitation looking toward the ultimate establishing of a closed shop. In reply to those objections I believe that while it may be argued that the point of view I have followed is a matter of opinion, no one has suggested a more constructive arrangement for settling the differences between employers and employees. Secondly, our experience indicates that as often as not, the men ask for shorter hours rather than higher wages. They are interested in living happily, and they feel that employee representation is giving them a better chance of livelihood.

To others who claim that a group of American employees will not elect men capable of upholding the confidence reposed in them, I quote figures to indicate the stable characteristics of men chosen by the employees of the International Harvester Company as their representatives. The average of these representatives throughout our Company is about 37 years. Three-fourths of them are married. Their average employment with the Company

is over seven years, and a large number own their own homes or stock in the Company. They are required by the plan to be American citizens, but that has not prevented the election of a large number of good Americans born in foreign countries, some of whom have proven themselves in common council far above the average ability. I do not pretend to say that we do not have any radicals among the number, but their presence has only served to make the discussion keener and to prove to us that our plan was really democratic in basis. The men, of their own free will, have chosen responsible representatives whose opinions are valuable for what they are.

#### The Workings of the Plan.

The workings of the plan have called upon the representatives of the men and management alike, to put forward their keenest intelligence. In the beginning it was quite natural that the first demands were all for large increases in wages. The plan passed successfully a very severe test when it had to be explained to the men, through their representatives, that the financial condition of the Company and of the business were not such as to justify a flat increase of wages. Later, when the cost of living rose again, as it did last summer, the question was again brought up, and this time the management representatives accepted the point of view of the employee representatives just as sincerely and fairly as in the beginning the latter had accepted the view of the former. The International Harvester Company, since the inception of its plan of employee representation, has never held back any information from the men. Business policies have been discussed and figures shown which it was our former custom to keep secret. We share their pride in the fact that thousands of men, when given this information, have been able to judge it intelligently and act accordingly.

The Company has also been able to discover many inequalities in the wage scale which it did not dream existed. For example, it was brought to our attention that we had a number of men who were working seven days a week, twelve hours a day. When, through the Works Council, some of these men objected and asked to be relieved of such an undesirable situation, the matter was immediately cleared up. Piece-work rates have been revised and made equitable wherever it was shown that they were too high or too low in competition with other workmen engaged in

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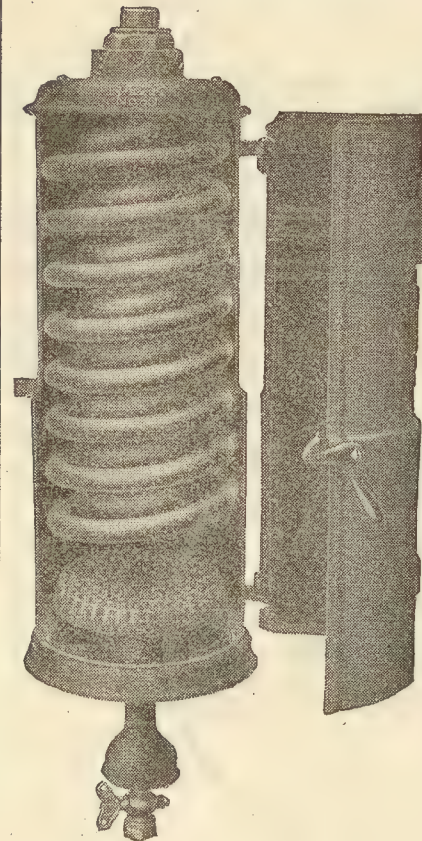
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similar operations. Numberless small instances have been discovered where men were afraid, under the old system, to complain of situations which they knew were wrong, and now that a natural channel for legitimate complaint has been created, they have found it to their advantage, and, therefore, to ours as well, to see to it that wrong things were set right.

Shop discipline cannot be upset if the plan is operated correctly, and if management and men alike understand its sincerity and underlying principles. If an employee representative or foreman takes the attitude that it is their duty to act as a check upon each other's activities there will be friction. If the superintendent does not realize what he can gain from the co-operation of his men he can instill in his executive force a fear of industrial democracy no less keen than that with which English county officials regarded the Reform Bill of 1832. When the great majority of employers a few years ago accepted the principles of scientific employment and took away from their foremen the right to hire and discharge, the claim was made that the foreman's authority would be undermined and his discipline ruined. That did not then prove to be the case, and no more now is a foreman's authority undermined by employee representation. By discipline, I, of course, mean intelligent obedience, rather than skill in executing the goose-step.

So far as trades unionism is concerned, our friends of the American Federation of Labor have mistaken the trend of employee representation. In the very important convention held at Atlantic City in June of this year, there were adopted elaborate resolutions condemning employee representation, on the ground that elections were unfair; that democratic organization was not permitted; that the committeemen were intimidated, and that an employee in pleading his case could not have the aid of an expert walking delegate to help him marshal his facts. No one who, as I have done, has sat through meeting after meeting of a Works Council, could believe that any one of these charges is justifiable. The basic object of organized labor is to improve the condition of workmen through the principle of collective bargaining. Without doubt this was necessary in the past, and is possibly still necessary in many cases, but now with employee representation, working sincerely and successfully, organized labor should welcome it as an ally which is seeking the same fine result and achieving it with more immediate and intimate satisfaction than is possible for an organization not controlled by the men of any given factory themselves. Employee representation has not been set up in opposition to organized labor. It is not an endeavor to create company unions or to do anything to deprive the men of the results which long years of industrial history have secured for them. It is a sincere effort to bring Capital and Labor together for the benefit of each, and to develop between them a family feeling of mutual interest which cannot but be helpful to the development of industry today and tomorrow.

I do not pretend that the particular plan of employee representation under which the International Harvester Company is operating, or any other plan will in itself prove a panacea for all industrial evils. It is not the plan that counts, but the way in which it is operated. Those employers and employees who

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are considering the introduction of such a plan must not expect too many results at once. The ground must be properly prepared in the first place by sound education of both employer and employees. The start must be sure, and while it may appear slow, it is undesirable in the extreme to hope that a new scheme will function perfectly from the beginning. Do not expect that you will immediately reap all the fruits that will ultimately be yours, but wait confidently for the momentum of mutual education to carry you along to better business. I repeat: it is not so much the plan that counts, but the way in which it is operated.

#### A Test of Employee Representation.

In the recent labor difficulties in Chicago, employee representation was forced to stand an acid test. We have eight plants in Chicago, in seven of which there are Works Councils. Due to various causes, such as strikes in large neighboring establishments and the presence of a large number of non-American groups of employees, a strike was begun in that plant where there was no Works Council. When these men, without making any demands, were out upon the street, they proceeded in a body to adjacent factories where there were Works Councils. The day before this took place the Councils in these other plants had negotiated a settlement between the men and the Company, which satisfactorily adjusted all questions at issue. In spite of this adjustment the intimidation of the large number of foreign employees from the striking plant, and the slugging which immediately took place, caused the Works Councils in four of the remaining plants to advise the cessation of operations. The Company accepted the request, and for three weeks these four plants were closed down. The period would not have been so long had there not intervened the terrible race riots and a street car strike. When conditions were right and the Works Councils felt it desirable and safe to resume operations, the plants were reopened. It is at least significant that the resumption of work took place with hardly a ripple of excitement, and with no violence of any kind. In two other plants the adjustment was never questioned from the beginning. We, therefore, found as a result of this labor difficulty that our Works Councils were stronger in the minds of the men than ever before. They stopped work in the plants when it was dangerous to continue to operate. They opened the plants when it was safe to do so (even taking it upon themselves to arrange for the preliminary police protection), and in every way proved themselves worthy representatives of the best traditions of American industry.

#### English and American Systems.

Employee representation has spread more rapidly in England than it has in this country, but it has taken a different form. Much has been written about the so-called Whitley Plan. That may be desirable for England, but it will not do for this country. Here neither industry nor labor is sufficiently organized to set up the elaborate system of councils required under the Whitley Plan. Nor is our government sufficiently versed in the handling of industrial matters to take as important a part in industrial councils as is required under the English system. Finally, the Whitley Plan has organized British industry into two opposing camps, whereas the American system of employee representation

is based solely upon mutual co-operation and a substitution of vertical for horizontal divisions. Class prejudice has no place in this country, either in society or in industry.

After all is said and done, the fundamental point in our industrial trend today is the representative direction of industry; all else is really detail. Profit sharing may come when it is ripe for it to do so. Governmental action or rearrangement of our program of consumption may make it possible for employees to be free of fear of unemployment. Education may raise the standard of working conditions to a real art. But if workmen are allowed self-government they and their employers together can work out these programs. If not, they will never enjoy them. If the step of accepting employee representation is now taken by the American industry as a whole, the future is secure. The working out of all details can be safely left to the joint deliberations of that active intelligence, which, common to both men and management, has placed American industry where it is.

#### Statement of the Ownership, Management, Circulation, etc.

Statement of the ownership, management, circulation, etc., of The Builders' Guide, published weekly at Philadelphia, Pa., required by the Act of August 24, 1912, for April 1, 1919.

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(Signed)

Building News Publishing Co.,  
Louis S. DeLone, Business Manager.

Sworn and subscribed before me this 18th day of September, 1919.

Edward J. Toole, Notary Public.  
(My commission expires Jan. 21, 1921.)

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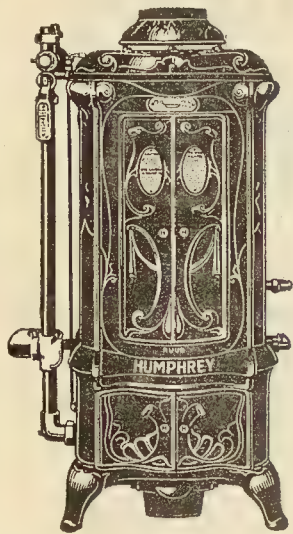
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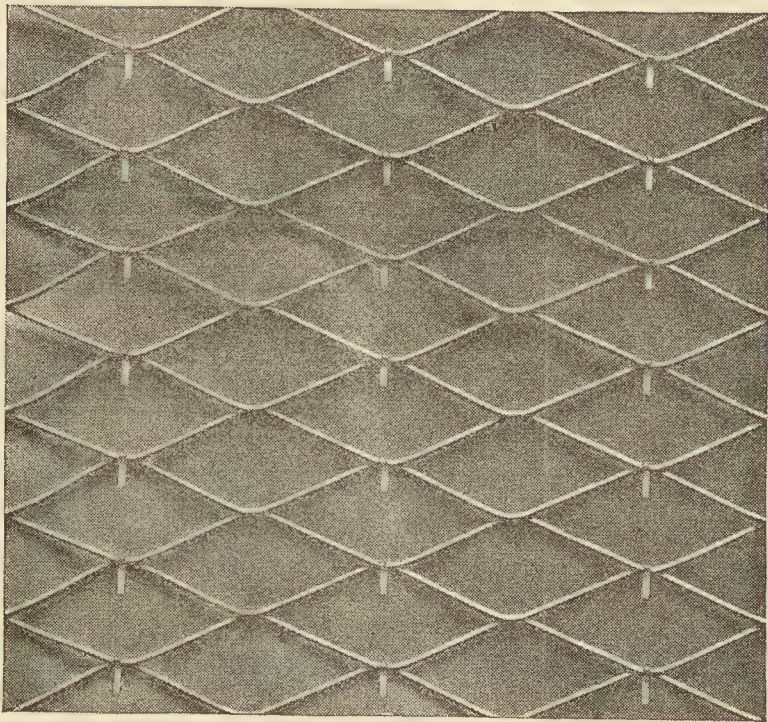
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Henry M. Miller.....46-48-50 N. 2d st., Phila.  
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Truscon Steel Co....Commonwealth Bldg., Phila.  
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Kensington Metal Co....1612 N. 2nd st., Phila.

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Sidley Silica Sand Co...611 Widener Bldg., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

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McCalla Co., The Harold...531 N. 4th st., Phila.  
Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.  
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Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.  
Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

## Tile and Terrazzo Work.

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French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

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| Premiums in course of transmission.. | 3,203,681.96    |
| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

## LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

Total Liabilities ..... \$30,801,413.40

Surplus to Policyholders..... \$ 12,922,516.93  
Losses paid since organization 203,147,689.78

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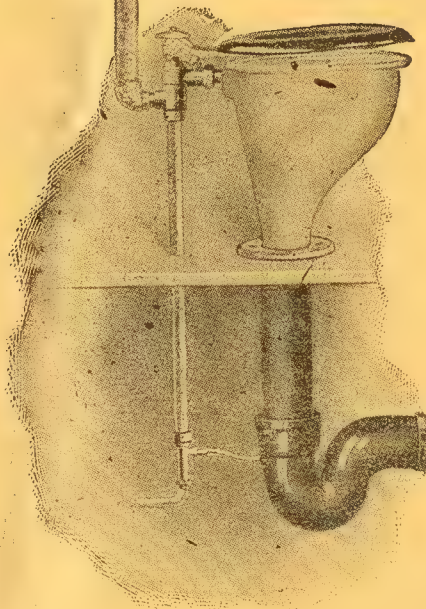
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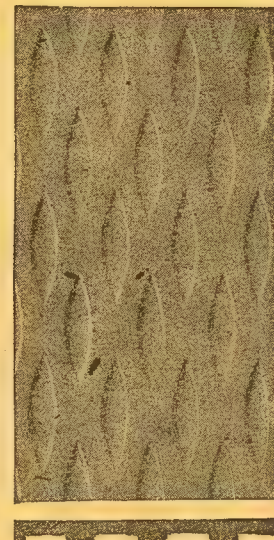
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ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 41  
October 8, 1919

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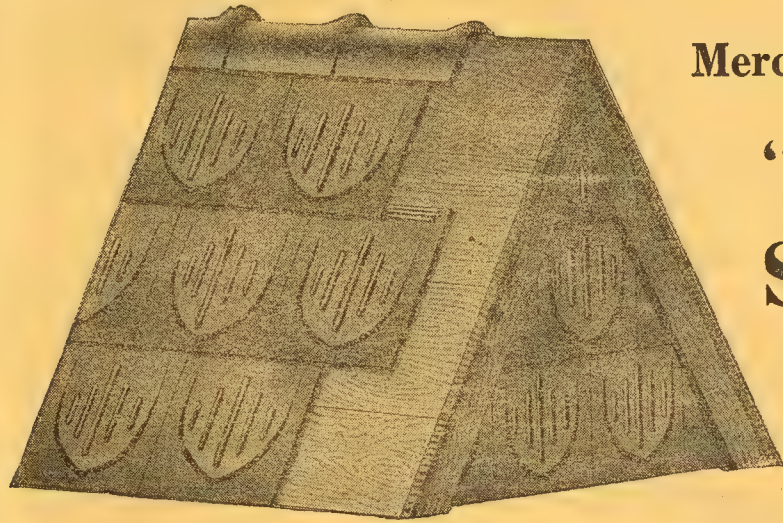
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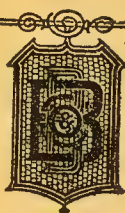
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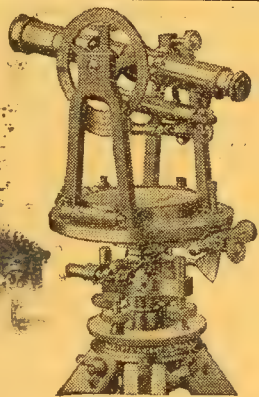
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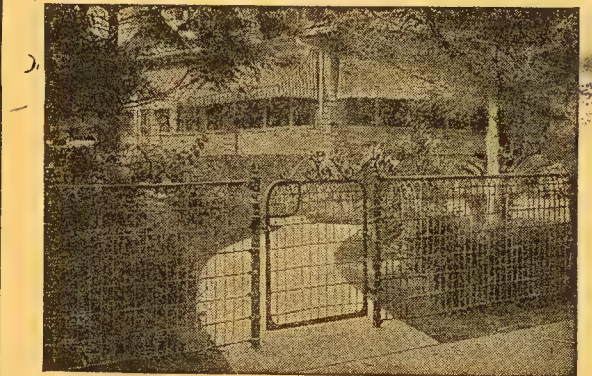
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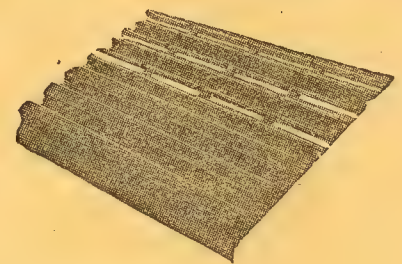
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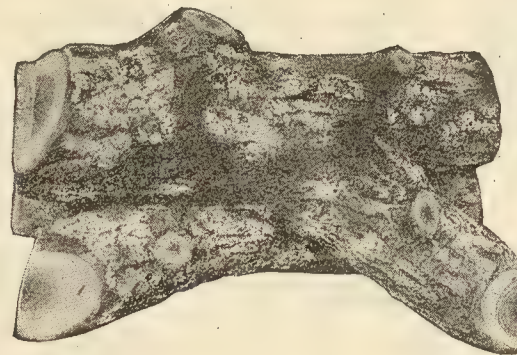
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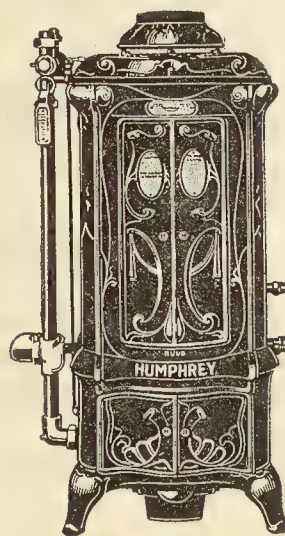
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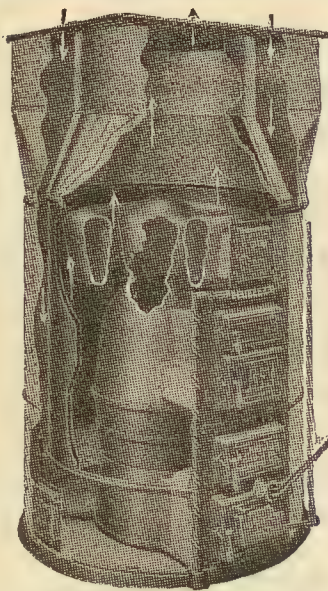
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV

Number 41

PHILADELPHIA

October 8, 1919

## BUILDERS' GUIDE

OFFICES, PERRY BUILDING (Suite 824-825-826)  
Sixteenth and Chestnut Sts., Philadelphia, Pa.

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BY

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## As The Editor Sees It



THE Engineers' Club of Philadelphia has taken the initiative in stimulating public interest in the planning and zoning commissions provided for in the new city charter of Philadelphia.

Architects, Builders, Contractors, the Building Trades and all other public spirited persons and organizations should gladly respond to the invitation of the Engineers' Club. The purposes of a meeting to be held October 10th are made clear in the letter of the Secretary which continues:

"The new city charter for Philadelphia provides that a Planning Commission and Zoning Commission may be appointed by the new administration.

"These Commissions will deal with subjects relating to the living and working conditions in our metropolitan area of such vital importance as housing, recreation, sanitation, transit, reclamation of blighted areas, port facilities, regulation and stabilization of real estate values and other matters.

"It should be noted that the creation of these Commissions is discretionary with council, and in order to stimulate public interest in the necessity of their appointment the Engineers' Club of Philadelphia invites your organization to participate in a conference to be held in the Club house at 1317 Spruce Street, at 8.15 P. M., Friday, October 10, 1919.

"This conference has for its purpose the formulation of a program for the further presentation of this subject at a

public meeting to be held at Witherspoon Hall, Tuesday, November 18, 1919.

"Will you not without fail appoint from one to three delegates to attend the conference of October 10th?

"In order to make this movement forceful and representative, we are inviting the organizations set forth on the accompanying list to participate by sending delegates.

"Respectfully yours,

"H. S. STOCKLEY,  
"Secretary."

Invitations were sent to the following:  
American Institute of Architects.

Art Jury.

American Federation of Labor—Local.

Board of Education.

Board of Trade.

Builders' Exchange.

Building Trades Council.

Bureau of Health.

Bureau of Municipal Research.

City Parks Association.

Chamber of Commerce.

Civic Club.

City Club.

Department of City Transit.

Department of Public Health and Charities.

Department of Public Safety:

Bureau of Building Inspection.

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Octavia Hill Association.

Philadelphia Chapter, American Bankers' Associations.

Philadelphia Chapter, Building and Loan Associations.

Philadelphia Real Estate Board.

Philadelphia Housing Association.

Philadelphia Bar Association.

Philadelphia Board of Fire Underwriters.

Philadelphia Operative Builders' Association.

Playground Association.

Whittier Center.

Zoning Commission.

It is pleasing to see that a prominent architect, Mr. D. Knickerbacker Boyd, will act as Chairman of the Committee on Arrangements.

\* \* \*

THE great outstanding need of the world today is increased production—every sane thinking person must realize that nothing will do more to stabilize industry than a great speeding up everywhere of output. It is a matter for wonder that labor leaders can dare at this crucial time to precipitate

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strikes and all that they mean in loss of time and money. Certainly there never was a time when employees were more willing to admit the importance of labor to the industrial world, and ready to do all in their power to insure justice to the working man. These questions have been most interestingly discussed at the Eighth Annual Congress of the National Safety Council held in Cleveland. In last week's issue of the GUIDE we printed an address delivered before the Congress by Cyrus McCormick, Jr., Works Manager of the International Harvester Company, dealing with Employee Representation. This method seems to be the best answer found so far to the question of how to deal fairly with the employees and give them just representation in the industries of which they are a part.

On this subject E. B. Tolsted, Independence Bureau, Philadelphia, contributed some noteworthy views. In his paper, "Practical Aspects of Employees Representation," Mr. Tolsted says:

The annals of the country are full of examples of misused power both on the part of employers individually and collectively, and on the part of organized workmen. In the interest of the nation as a whole the disastrous effects of misused power must be eliminated. It must no longer be possible for employers by virtue of their financial resources and solidarity to treat workers unfairly, or for the workers through the open strike or the passive "strike on the job" to cripple industry.

To careful thinkers the solution lies definitely along the lines of a clear understanding by each side of its own attitude and of the problems of the other, and of their joint recognition of their relation to society. The result is bound to be in many instances the substitution of responsibility for irresponsibility, of co-operation for antagonism, of good will for ill will. This greatly desired result, the securing of industrial peace and efficiency, is so gigantic a problem that even the best thinkers in the economic field have as yet reached no definite practical solution. We are as yet in a state of flux.

Many workers appear not to be satisfied by good working conditions, shortened hours, and high wages; they strike even after these things have been granted them. No doubt some want a voice in the determination of these matters, although the dissatisfaction is largely due to the spirit of the times. It may be that the real desire is for first-hand information about the conditions which cause managers to come to their decisions. Probably no body of American men, for instance, would deliberately demand wages which they knew would bankrupt the business which employs them.

Of the various plans for producing industrial satisfaction which have been advanced up to the present time, the one which is attracting the greatest attention is employees' representation. Some feel that this is just another short-lived fad; others think that it is here to stay. A safety man cannot help recalling the time when the safety movement was considered a fad of the moment.

Many employers, not hostile to union organization, feel that better results will be ob-

tained through an employees' representation plan than through the customary union channels, because of the direct relation and the mutuality of interest which can be obtained. In effect, the usual employees' representation plan creates a company or household union, sometimes alongside a national union. There need be no conflict between the two.

There are at the present time about one hundred and fifty employees' representation plans in operation in the United States. The details of many of them have been published in pamphlet form or in current magazines. By personal investigation of approximately fifty of these plans, we have found that employees' representation may provide simply an orderly method for the adjustment of grievances; it may include machinery for collective bargaining with reference to wages, hours, and working conditions; it may be the means of eliciting from workers their hearty co-operation and valuable suggestions regarding processes, organization, and policies; or it may involve all of these or any combination of them. Its structural features may be very simple and the procedure altogether informal, or these may be highly elaborate. The power possessed by employees through their industrial representation may be that of "public opinion"—the authority of the representatives being merely advisory to the management—or the management may delegate to the employees final authority in regard to certain specified matters, or authority may be exercised jointly by the men and the management. I wish to emphasize the fact that in no plan which we have investigated have we found the measure of control implied by the term "Industrial Democracy."

For the purposes of this paper I shall regard as an employees' representation plan any plan which provides for committees of employees elected by their constituents to confer with the management in the consideration of matters affecting them, no matter how simple or how few. Ignoring wide variations in scope and form, then, I shall discuss in the limited time available some of the generally applicable facts established by personal investigation of plans used; and without attempting to analyze or even to state the underlying principles, I shall attempt to give some practical suggestions which may be found useful to those about to install plans or to those who contemplate doing so.

It must be noted at this point that the shortness of time during which these plans have been operating and the prejudices of their sponsors and opponents make investigation of results complicated and interpretation difficult. Having adopted a plan, the employer wants to believe it desirable; therefore, it is difficult to obtain adverse criticism from any except those who have never tried the plan or who have been forced into it. It is pertinent to mention, however, that many favorable comments have been obtained even from those who have been forced into adopting a plan. My statement of results embodies in it opinions of employees' representatives as well as of managers, and, as far as it has been possible to make it, is representative of present conditions.

In the following remarks the term "works committee" is used to refer to any kind of representation plan.

#### Results Accomplished by Works Committees.

Several years ago, Henry T. Noyes, of Rochester, stated that his own company, Art-in-Buttons, Inc., after over ten years of periodic departmental meetings, during which the company and the employees had been working earnestly for their joint good, found that approximately 90 per cent. of all complaints

made by the employees were justified in whole or in part. Mr. Noyes hazarded the opinion that there must be under the usual form of management a tremendous aggregate of dissatisfaction incapable of elimination chiefly because the management knew little or nothing about it. Consequently we have not been surprised to find that the existence of a works committee not only brings complaints to light before they are too serious to handle, but that it eventually reduces the number and seriousness of complaints.

Almost invariably foremen have undertaken to reform their ways when their attitude of petty tyranny was the cause of grievances, and have endeavored to adjust complaints satisfactorily when first brought to their attention, rather than to allow their negligence to be the subject of discussion by committees, and thus also by the rank and file of employees, and eventually the object of a reprimand from the management. This means that complaints are more and more adjusted out of court, consequently the time of the works committee is reserved for more important matters.

While it is true that a majority of the matters are usually decided in favor of the complainant, it seems to be the feeling of most concerns that decisions are, in the main, altogether just. It should be pointed out, moreover, that in a large proportion of the cases it is immaterial to the management whether the decision is one way or the other, and it is obviously wiser to have the decision in such cases in accordance with the wishes of the employees. Many of the matters decided by the committees are such as have heretofore generally been left unsettled and allowed to become the cause of constant complaint and unrest.

Most of these plans are so worded that matters relating to discipline and discharge may be heard by shop or works committees, the same as other questions. In a few cases, the employees have been given unusually extensive authority in regard to such matters. The management of one company, for instance, granted to the employees permission to lay down the rules governing disciplinary measures. As a result, the conference board of the employees' association adopted rules and penalties governing all employees. The penalties imposed are somewhat lighter than is customary in most plants where the management retains absolute authority, being principally fines or suspension, rather than discharge, but they have the effectiveness due to their representing the judgment of associates rather than superiors, and this seems to result in a reduction of the number of offenses. In other cases the employees have imposed penalties more severe than the company would have done, and the company has been forced to request a modification of the penalties.

The Filene Co-operative Association, which for many years has had authority to amend or to initiate any rule affecting the discipline or working conditions of the employees of the store, has reduced the number of offenses through its "arbitration board," which has final authority with reference to discharges. The Filene management goes as far as to permit employees to be represented by legal counsel at hearings. Mr. Cory, vice president and store director, states in his genial way that he and his associates have been subject to some remarkable excoriations at these hearings. That this broad-gauged attitude has paid in an industrial relations sense is beyond question. The American Rolling Mill Company reports that discipline has been

(Continued on page 622)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Garages (2)**, 300-2 West Hortter street, Philadelphia, \$3,000. Architect, private plans. Owner, Robert Killough, Wayne avenue and Duval street, Philadelphia. Stone, 1 story, 16 feet 4 inches x 23 feet, cement floors, slag roof. Owner will build.

**Garage**, Thirty-fifth and Market streets, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, Joseph Lever, 2347 Somerset street, Philadelphia. Brick and steel, 2 stories, 75x145 feet, slag roof, cement floors, steam heat, electric light, rolled steel skylights, steel rolling doors, roof ventilators, dampproofing. Owner will build.

**Office, Garage and Lumber Yard**, Third below Girard avenue, Philadelphia. Architect, H. B. Weldon, 10 South Eighteenth street, Philadelphia. Owner, Howard Ketcham, on premises. Brick, concrete and frame, 1 story, 100x200 feet, slag and wood roof, electric lighting. Architect taking bids due October 11th. F. L. Hoover & Son, 1023 Cherry street; Smith-Hardican Co., 1606 Cherry street, and W. O. Springer, 1624 Latimer street, are figuring.

**Offices (alts. and add.)**, 132 Dock street, Philadelphia. Architect, J. Fletcher Street, 129 South Fifth street, Philadelphia. Owner, E. L. Armstrong & Co., on premises. General interior alterations. Architect has received bids.

**Apartment House and Store**, 6246 Market street, Philadelphia. Architect, Frederick T. Uezzell, 717 Walnut street, Philadelphia. Owner, Isadore Weinberg, care of architect. Brick, 3 stories, 25x100 feet, slag roof, oak and pine floors, stone foundations, electric light, tile work (heating undecided). Owners taking bids due as soon as possible from Mitchell Bros., 2125 Race street, and Smith-Hardican Co., 1606 Cherry street, Philadelphia.

**Residence (alts.) to Apartments**, 5929 Spruce street, Philadelphia. Architects, Durham-Banville Co., 323 Walnut street, Philadelphia. Owner, James Kincaid, 5929 Spruce street, Philadelphia. Brick, 2 stories, slag roof, stone foundations, steam heat, electric lighting, carpentry. Revised plans in progress.

**Garages (10 small) (1 large)**, Seventy-second and Paschall avenue. Architects, Clark & Dudnick, Drexel Building, Philadelphia. Owner, Samuel Greenstein, 7228 Woodland avenue, Philadelphia. Brick, 1 story, 48x52 feet, slag roof, cement floors, steam heat, stone foundations, electric lighting, gasoline storage system. Architects are ready for sub-bids.

**Hospital Building**, Broad and Ritner streets, Philadelphia. Architect, Horace W. Castor, Stephen Girard Building. Owners, Methodist Episcopal Hospital, Broad and Ritner streets. Brick, concrete and steel, 2 stories, 96x123 feet, slag and tile roof, terrazzo, tile and marble floors, hollow tile, metal lath, damp-proofing, stone foundations, hollow metal

doors, iron stairs, iron work (heating, plumbing and electric lighting reserved). Architects taking revised bids due October 15th. Cramp & Co., Denckla Building; H. E. Baton, 1713 Sansom street; Roydhouse-Arey Co., 112 North Broad street, and William R. Dougherty, 1713 Sansom street; Frank E. Wallace, 1220 Chancellor street, are figuring.

**Residences (66) (2)**, Fifty-sixth and Lebanon avenue, and (64) Fifty-fourth and Lebanon avenue, Philadelphia, \$405,000. Architect, private plans. Owner, Martin Maloney, 2405 North Fifty-fourth street, Philadelphia. Brick, 2 stories, 16x34 feet, 13x10 feet, and 16 feet 4 inches x 44 feet, slag roof, hot water heat, electric lighting. Owner will build.

**Market House**, Northeast Corner Gaul and Gordon streets, Kensington. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owners, Greenblatt Bros. & Saff, 2425 East Dauphin street. Reinforced concrete, steel and brick, 1 story and basement, 70x100 feet, slag roof, reinforced concrete floors, low pressure steam heat, electric light, rolled steel sash, hollow metal skylights, steel rolling doors, (1) electric elevator. Architect and owners will be ready for sub-bids in a few days.

**Residence (alts. and add.) to Store and Apartments**, 1932 West Susquehanna avenue. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, S. Steinberg, on premises. General interior alterations, brick, 3 stories, add. 18x35 feet, slag roof, hardwood floors, hot water heat, electric light, tile work, marble front, hollow metal doors, plumbing. Owner is taking sub-bids.

**Loft Building (alts.)**, 821 Cherry street, Philadelphia. Architect, Jesse T. Hoekstra, Presser Building, Philadelphia. Owners, Cornelius Building, 811-21 Cherry street, Philadelphia. Brick, 5 stories and basement, changes to entrance, roof repairs, steam heating, electric lighting, plumbing, (1) electric elevator, terrazzo work, metal ceilings, mechanical equipment, changes to boiler room. Architect will be ready for bids in ten days.

**Building (alts.)**, 1420 Walnut street, Philadelphia. Architects, Bailly & Bassett, 421 Chestnut street, Philadelphia. Owner, Howard A. Riley & Co., on premises. Carpentry, mill work, marble work, plastering, painting, glazing, hardware. Architect has received bids.

**Residence**, Wayne avenue, near Lincoln Drive, Germantown. Architect, C. A. Ziegler, 1218 Chestnut street, Philadelphia. Owner, name withheld. Stone, 2½ stories. Plans in progress. Will be ready for bids in ten days.

**Store and Dwelling (alts. and add.)**, Woodland avenue, North side, between Sixty-fourth and Sixty-fifth streets. Architect, E. Allen Wilson, 1218 Chestnut street, Philadelphia. Owner, name withheld. Changing store and dwelling into store and (2) apartments, garages in rear, brick, 2 story side add. 67x3 feet,

rear add., 1 story, 18x60 feet, slag roof, hardwood and cement floors, hot water heat, electric light, tile and marble work. Architect will be ready for bids in one week.

**Garage**, Philip street, North of Cayuga street, \$2,000. Architect, private plans. Owner, William Chapman, Fifth and Rising Sun Lane, Philadelphia. Brick, 32x50 feet, slag roof, electric lighting, cement floor. Owner will build.

**Ice Storage and Warehouse**, James street, near Tucker street, Frankford. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, American Ice Co., Sixth and Arch streets, Philadelphia. Architects taking bids due October 13th at noon. Monaghan & Losse, Inc., 3016 Chestnut street; Cramp & Co., Denckla Building; John N. Gill & Co., Otis Building; E. F. Bahls, 1708 North Park avenue; P. Haibach Cont. Co., Twenty-sixth and Thompson streets; Turner Const. Co., 1713 Sansom street; Barclay White Co., 1713 Sansom street; Warren-Moore Co., Colonial Trust Building; Robert E. Lamb Co., 843 North Nineteenth street, and Irwin & Leighton, 126 North Twelfth street; Ajax Const. Co., 201 North Broad street, are figuring.

**Residence**, Oak Road, Germantown, Philadelphia. Architects, Hawley & Hawley, Midvale avenue and Stokley street. Owner, name withheld. Brick and rough cast, 2½ stories, 28x43 feet, wing 15x15 feet, shingle roof, hardwood floors, hot water heating, electric light, tile work. Plans in progress. Architect will be ready for bids in two weeks.

**Residence and Store (add. and alt.)**, 5554 Market street, \$7,500. Architect, private plans. Owner, Orpha R. Dunlap, 5558 Market street, Philadelphia. Brick, 2 story add., 16x18 feet, 12x11 feet. Owner will build.

**Chimneys (2)**, Frankford Arsenal, Philadelphia. Architect, private plans. Owner, United States Government, care of Const. Officer, Frankford Arsenal, Philadelphia. Concrete, 12 feet diameter, 200 feet high. Owners have received bids.

**Residence and Garage**, Cliveden avenue and Wissahickon Drive. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, Eugene Raymond, Penn. Square Building, Philadelphia. Stone, 2½ stories, 30x60 feet, 1 story, 18x22 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work, cement work. Plans completed. Owner is ready for sub-bids.

**Storage Building**, 885 North Taney street, Philadelphia, \$2,000. Architect, private plans. Owner, Anthony Vitale, 2706 Poplar street, Philadelphia. Brick, 2 stories, 20x34 feet, slag roof. Owner will build.

**Factory Building**, Tenth and Westmoreland streets, Philadelphia. Architect, Peter Kuhn, 3058 North Eighth street, Philadelphia. Owner, Westmoreland Planing Mill Co.,



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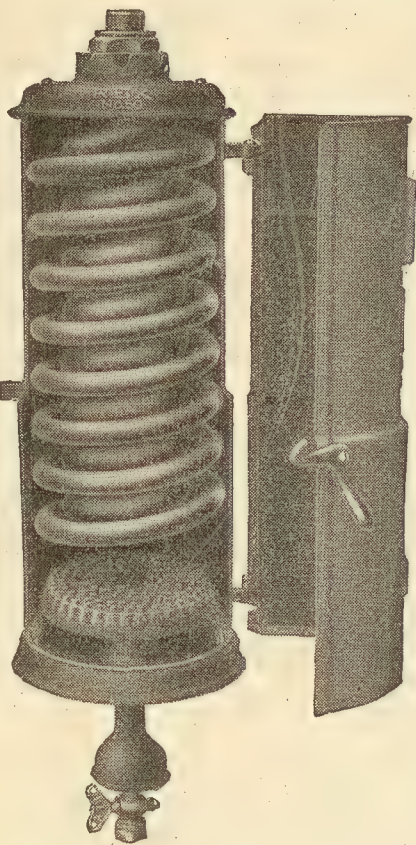
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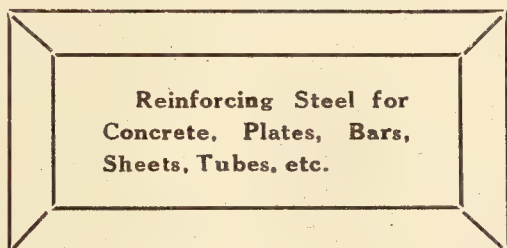
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Tenth and Westmoreland streets. Brick, 1 story, 60x56 feet, stone foundations, slag roof, North Carolina pine floors, rolled steel sash, rolled steel skylights, iron work. Architect taking bids due October 9th. H. H. Wehmeyer, 509 West Cumberland street; Wm. R. Dougherty, 1610 Sansom street; Ajax Const. Co., 201 North Broad street; Kessler Cont. Co., Drexel Building, are figuring.

**Residence (alts.),** 1411 Erie avenue, Philadelphia. Architect, George S. Idell, 1705 Chestnut street, Philadelphia. Owner, Dr. M. F. Herrman, 1411 Erie avenue, Philadelphia. Carpentry, mill work, plastering, painting, hardware, glazing, repairs to roof and floors, tile and marble work, iron work (plumbing, heating, electric lighting and composition floors reserved). Architect has received bids.

**Storage Building,** Forty-fifth and Parrish streets, Philadelphia, \$13,500. Architect, Stuckert & Co., Crozer Building, Philadelphia. Owner, Scott-Powell Dairies, Forty-fifth and Parrish streets, Philadelphia. Brick, 1 story, 68½x85 feet, slag roof, electric lighting, cement floors, rolled steel sash, tin lined doors, steel trusses and columns, rolling steel shutters, plumbing and scale. Architects will build.

**Church and Residence,** Seventh and Norris streets, Philadelphia, \$43,000. Architects, Charles W. Bolton & Son, Witherspoon Building, Philadelphia. Owner, Seventh Street Methodist Church, care of A. L. Copper, on premises. Brick and stone, 1 and 2 stories, 74x70 feet, 76x49 feet, house 38x18 feet, 25x17½ feet, slate and slag roof, hot air and steam heat, yellow pine floors, stone foundations, electric light, iron work, carpentry, mill work, plastering. Owners will build.

**Building (alts.),** 135 South Front street, Philadelphia. Architects, De Armond, Ashmead & Bickley, Franklin Bank Building. Owners, Winslow & Co., 135 South Front street, Philadelphia. New front, millwork, painting, plumbing, tile work, new stairways. Architects are taking sub-bids.

**Bank (alts. and add.),** Girard and Frankford avenues, Philadelphia. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owners, Kensington National Bank, on prem-

ises. Brick, granite and steel, 2 stories, 48x50 feet, slag roof, oak floors, hollow tile, safety treads, stone foundations, steam heating, electric lighting, marble work, hollow metal sash, iron work. Architect taking bids, due October 14th at 5 P. M. M. Melody & Son, 1322 Race street; William Steele & Sons Co., Sixteenth and Parkway; A. R. Raff Cont. Co., 1635 Thompson street; Roydhouse-Arey Co., 112 North Broad street; James Johnston, 1721 Ludlow street; Henry E. Baton, 1713 Sansom street, and M. H. McColskey, Jr., Inc., 1620 Thompson street, are figuring.

**Court Building (alts. and add.),** 1131 Wood street, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Misdemeanants' Court Building, care of Chief Clerk of County Commissioners, 130 City Hall, Philadelphia. General interior and exterior alterations and additions, plumbing, electrical work, heating and ventilators. Owners taking bids, due October 20th at noon. Plans may be obtained from office of architect. Deposit \$10.00. Refund, \$5.00.

**Bridges (2),** Oxford street, Philadelphia, and Morris street, Germantown. Architect, private plans. Owners, Bureau of Survey, City Hall, Philadelphia. Steel and concrete, 61 feet wide, 170 feet long, and steel and concrete, 50 feet wide, 150 feet long, asphalt paving. Owners taking bids, due October 17th at noon. Monaghan & Losse, Inc., 3016 Chestnut street, are figuring.

**Ford Service Building,** 1319-37 Wood street, Philadelphia. Architect, Philip S. Tyre, 1509 Arch street, Philadelphia. Owners, Guaranty Realty Co., Stock Exchange Building, Philadelphia. Brick and steel, 1 story, 71x151 feet, slag roof, cement floors, steam heating, electric lighting, stone foundations, rolled steel skylights, iron work. Architect taking bids, due October 11th. Potts Bros. & Cooperson, 129 North Eleventh street, and E. C. Durell, 1713 North Twenty-fourth street, are figuring.

**Residences (17),** 6130-62 Lebanon avenue, Philadelphia, \$170,000. Architect, private plans. Owners, Ramsey & Williams, 5829 Catharine street, Philadelphia. Brick, 3 stories, 16x36 feet and 16x10 feet, slag and slate roof, hot water heat. Owner will build.

**Contracts Awarded**

**Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.**

**Building (alts. and add.),** 813 Fitzwater street, Philadelphia. Architects, MacKenzie & Wiley, Liberty Building. Owners, David Sassi & Son, on premises. Brick, 2 stories, 20x80 feet, slag roof, maple and pine floors, electric lighting, painting, decorating, fire brick. Contract awarded to Paul Di Joseph, 2038 South Bouvier street.

**Store,** 1732 Chestnut street, Philadelphia, \$25,000. Architect, H. R. Weldon, 10 South Eighteenth street, Philadelphia. Owner, F. P. Fleming, 1334 Chestnut street, Philadelphia. Brick, 2 and 3 stories, 22x56 feet, 22x92 feet, steam heating. Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

**Store (alts.),** 143335 South street, Philadelphia. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, William Meenehan, Sixty-second and Walnut streets, Philadelphia. General interior alterations, repairing floors, plastering, carpentry, flush bulks, steel beams and columns. Contract awarded to Warren E. Biscoe, 3954 Ludlow street, Philadelphia.

**Store (alts.),** 40 South Sixtieth street, Philadelphia. Architect, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, William Meenehan, Sixty-second and Walnut streets, Philadelphia. Interior alterations, plastering, carpentry, flush bulks, steel beams and columns. Contract awarded to Warren E. Biscoe, 3954 Ludlow street, Philadelphia.

**Residence (alts.),** 6315 Park avenue, Philadelphia, \$5,000. Architect, private plans. Owner, Harry M. Dannenbaum, on premises. Brick, 3 stories, slate roof, oak floors, hot water heat, electric light, metal lath, plumbing, plastering, painting, glazing, carpentry, mill work. Contract awarded to John N. Gill Co., Otis Building, Philadelphia.

**Garage,** 251 South Fourth street, Philadelphia, \$20,000. Architect, private plans. Owner, Charles Goldman, 731 Walnut street, Philadelphia. Brick, 2 stories, 54x186 feet, steam heat, electric light. Contract awarded to S. Berger, 1915 North Sixth street, Philadelphia.

**Building (alts. and add.),** Southwest Corner Tenth and Parrish streets, Philadelphia. Architect, David Supowitz, 929 Chestnut



street, Philadelphia. Owner, P. McLaughlin, on premises. Brick, 1 story, 20x31 feet, slag roof, pine floors, electric light, tile work, plumbing. Contract awarded to A. H. Spensard, 822 Wood street, Philadelphia.

**Garage**, Stenton, Philadelphia. Architects, Druckenmiller & Williams, 1527 Chestnut street, Philadelphia. Owner, William Thompson, care of architect. Stone, 1½ stories, 18x24 feet, slate roof, cement and pine floors, hot water heating, electric lighting. Contract awarded to Tourison & Tourison, 20 Westview street, Germantown.

**Residence (alts.)**, 3701 Woodland avenue, Philadelphia, \$4,800. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, M. Anapolsky, Southeast Corner Fifth and Master streets, Philadelphia. General interior alterations, reinforced concrete work, structural steel, hardwood floors, electric light, tile and marble work, cabinet work, metal ceilings, store fixtures, flush bulks. Contract awarded to M. Lasse, 816 Winton street, Philadelphia.

**Garage**, 804 North Twenty-fourth street, Philadelphia. Architect, private plans. Owner, Bert Betz, 804 North Twenty-fourth street, Philadelphia. Brick, 1 story, 20x50 feet, slag roof, cement floors, stone foundations, hot water heat, electric lighting. Contract awarded to H. John Homan, Middle City Building, Philadelphia.

**Bank Building (alts. and add.)**, Broad and Diamond streets, \$100,000. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owner, Broad Street Bank, James B. Gillies, Southeast Corner Broad and Diamond streets, Philadelphia. Brick, marble and terra cotta, 1 story, basement and mezzanine, 38x95½ feet, stone foundations, slag roof, cement and marble work, steam heat, electric light, hollow tile, tile work, metal lath, rolled steel skylights, bank fixtures, ornamental iron work. Contract awarded to Standard Const. Co., 1713 Sansom street, Philadelphia.

**Office and Shop**, 1711-13 Vine street, Philadelphia, \$15,000. Architect, private plans. Owner, James Finnesy, Twenty-sixth and Parrish streets, Philadelphia. Brick, 1 and 2 stories, 40x34 feet, 40x91 feet, slag roof, steam heat, electric light, composition, cement and yellow pine floors, metal lath. Contract awarded to Henry C. Dahl, 231 South Eighth street, Philadelphia.

**Greenhouse**, Tabor Road, East of Lawrence street, \$3,000. Architect, private plans. Owner, John Krehn, 405 West Tabor Road. Concrete, steel and glass, 1 story, 25x101½ feet, cement floor. Contract awarded to Henry P. Schneider, 3713 Old York Road.

**Stores (alts.)**, Fifty-second and Girard avenue, Philadelphia. Engineers, L. E. Denslow, 44 West Eighteenth street, New York City. Owner, United Cigar Stores Co., 44 West Eighteenth street, New York City. Carpentry, plumbing, meal work, painting, marble work, mill work, hardware, tile work, plastering, metal lath. Contract awarded to Goldberg & Fine, 714 Broadway, Brooklyn, N. Y.

**Church**, Broad and Granger streets, Philadelphia, \$10,000. Architect, Charles W. Bolton & Sons, Witherspoon Building, Philadelphia. Owner, Fern Rock Reformed Church, Broad and Granger streets, Philadelphia. Frame, 1 story, 40x60 feet, tin roof, yellow pine floors, cement and brick work, carpentry, plastering, painting, electric lighting.

Contract awarded to L. Davis, Fern Rock, Philadelphia.

**Garage and alts. to Building**, 459-61 North Third street, Philadelphia, \$7,000. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owner, Morris Sacks, on premises. Brick, 1 story, 40x87 feet, slag roof, cement floors, stone foundations. Contract awarded to Frank & Kaiser, 1522 South Sixth street, Philadelphia.

**Residence (alts. and add.)**, 1630 Spruce street, Philadelphia, \$3,500. Architect, H. Childs Hodgens, 130 South Fifteenth street, Philadelphia. Owner, Dr. A. Cohen, 1630 Spruce street, Philadelphia. Brick, 2 stories, 16x12 feet, slag roof, oak floors, stone foundations, hot water heat, electric light, tile work, iron work. Contract awarded to Thomas Strachan, 5103 Hadfield street, Philadelphia.

**Residence and Store**, Southeast Corner Vankirk and Walker streets, Philadelphia, \$4,000. Architect, private plans. Owner, Anna Stevens, on premises. Brick, 2 stories, 20x33½ feet, slag roof, pine floors, hot water heat. Contract awarded to S. S. Wilmer, 3211 Comly street, Philadelphia.

**Garage**, Twelfth and Cambria streets, Philadelphia, \$50,000. Architects, Clark & Dudenick, Drexel Building, Philadelphia. Owner, J. W. Vandegrift, on premises. Brick and steel, 2 stories, 57x176 feet, slag roof, concrete and pine floors, metal lath, stone foundations, steam heating, electric lighting, rolled steel sash, (1) elevator, roof ventilators. Contract awarded to Frank G. English, 1608 North Carlisle street.

**Club House (add.)**, 1221 Locust street, Philadelphia. Architect, William Woodburn Potter, Real Estate Trust Building, Philadelphia. Owner, Princeton Club of Philadelphia, 1223 Locust street, Philadelphia. General interior alterations, hardwood floors, plumbing, electric lighting, tile work, fire tower. Contract awarded to Thomas C. Trafford, 1631 Sansom street, Philadelphia.

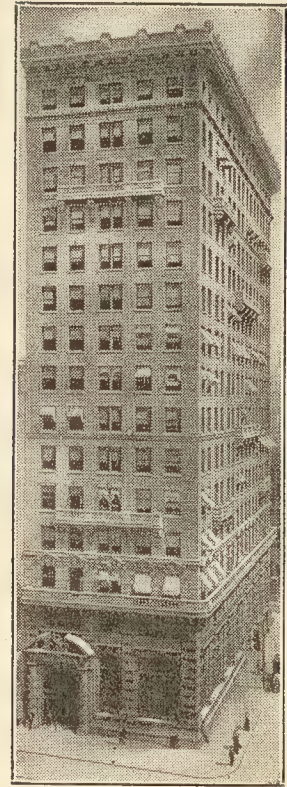
**Garage**, Ninth and Boulevard, Philadelphia. Architect, Edwin L. Rothschild, 1011 Chestnut street, Philadelphia. Owner, Jacob Kahn, 801 Wingohocking street, Philadelphia. Stone, 1 story, 20x22 feet, slate roof, cement floors, stone foundations, hot water heating, electric lighting. Contract awarded to Frank Mark Cont. Co., 2820 North Twenty-first street.

**Manufacturing Building**, Southeast Corner Lena and Collum streets, \$40,000. Architect, private plans. Owner, D. F. Waters, 53 Wister street, Philadelphia. Reinforced concrete and brick, 2 stories, 91x95½ feet, slag roof, electric lighting, steam heating. Contract awarded to R. M. Peterson & Son, 5114 Germantown avenue.

**Store (alts.)**, 119 Levering street, Manayunk, Philadelphia, \$4,000. Architect, private plans. Owner, Wavel Department Store Corp., on premises. Flush bulks, glazing. Contract awarded to Anthony Ziernicki, 1632 Hunting Park avenue.

**Garage**, 2424 South Seventy-second street, Philadelphia, \$2,500. Architect, private plans. Owner, Herman Richter, on premises. Brick, 1 story, 16x80 feet, slag roof, cement floor. Contract awarded to John W. Sperzel, 2408 South Seventy-first street.

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**Tower**, Eighth and Chestnut streets, \$42,000. Architects, Greisler-Abramson Co., Drexel Building. Owners, I. Press & Sons, Eighth and Chestnut streets. Brick work, 5 stories, cement and sheet metal work, iron and mill work, painting, glazing, tanks, plastering, plumbing, slag roof. Contract awarded to Ketcham & McQuade, 1029 Brown street.

**Boiler House**, Eighth below Cumberland street, \$15,000. Architects, William F. Koelle & Co., Twenty-sixth and Oxford streets. Owners, Breyer Ice Cream Co., on premises. Brick and steel, 77x49 feet, slag roof, radial brick chimney, 12 feet 3 inches diameter, 150 feet high, vitrified brick floor, electric light, wood sash, rolled steel skylights, stone foundations. Contract awarded to William F. Koelle & Co., Twenty-sixth and Oxford streets.

**Machine Shop**, West side Twenty-third street, Pearl to Wood streets, Philadelphia, \$50,000. Architect, private plans. Owner, Newton Machine Tool Works, on premises. Brick and iron, 1 story, 102 feet 4 inches x 170 feet 4 inches, electric light. Contract awarded to Belmont Iron Works, Twenty-second and Washington avenue.

**Office Building (alts.)**, 22 South Eighteenth street, Philadelphia. Architect, H. B. Weldon, Fuller Building, Philadelphia. Owner, J. Cutler Fuller, 10 South Eighteenth street, Philadelphia. Painting, glazing, hardware, mill work, carpentry, plastering, galvanized iron work. Contract awarded to William R. Dougherty, 1610 Sansom street, Philadelphia.

**Residence (add.)**, 717 South Ninth street, Philadelphia, \$2,500. Architect, private plans. Owner, Paul Venzuale, on premises. Brick, 3 stories, 13x24 feet, slag roof, electric lighting. Contract awarded to John Palaia, 744 South Sixth street, Philadelphia.

**Bank (alts. and add.)**, Third and Arch streets, Philadelphia. Architect, John T. Brugger, 505 Chestnut street, Philadelphia. Owners, Union National Bank, Third and Arch

streets, Philadelphia. Brick, cut stone and steel, 3 stories, 20x20 feet, slag roof, oak and maple floors, hollow tile, stone foundations, tile and marble work, rolled steel skylights, fire doors, iron work (heating and electric lighting reserved). Contract awarded to Roydhouse-Arey Co., 112 North Broad street, Philadelphia.

**Warehouse**, 45 North Third street, Philadelphia, \$49,000. Architects, Fieldstein & Schaef, Penfield Building, Philadelphia. Owners, Landis & Co., 45 North Third street, Philadelphia. Brick, 6 stories addition, 32x84 feet, 4 stories addition, 48x55 feet, third and fourth floors, 21x12 feet, stone foundations, slag roof, maple floors, steam heat, rolled steel sash, iron work (elevators, heating, plumbing and electric lighting reserved). Contract awarded to Boris Tubin, 2422 South Fourth street, Philadelphia.

**Manufacturing Buildings (2)**, Port Kennedy, Pa. Architect, Harry Gordon McMurtree, 1012 Walnut street, Philadelphia. Owners, Valley Forge Magnesia Co., Port Kennedy, Pa. Reinforced concrete and brick, 1 story, 35x177 feet, and 1 to 4 stories, 32x177 feet, slag roof, cement floors, steam heating, wood sash, hollow metal skylights, safety treads, waterproofing, iron stairs. Architect is ready for sub-bids.

**Residence and Garage**, Paoli, Pa. Architect, E. Nelson Edwards, 1012 Walnut street, Philadelphia. Owner, name withheld. Frame and stucco, 2 stories, 24x48 feet, (2) 1 story wings, 12x20 feet, shingle roof, oak or pine floors, cork tile floor, hot air heating, electric light-

**Residence**, 4375 Manayunk avenue, Philadelphia, \$5,800. Architect, private plans. Owner, John Regatta, 4377 Manayunk avenue, Philadelphia. Brick, 3 stories, 16x56 feet, pipeless heat, electric lighting. Contract awarded to Brown Const. Co., 4600 Main street.

**Residence and Store (alts.)**, 1817 South Second street, Philadelphia, \$2,500. Architect, private plans. Owner, Simon Orilovitz, on premises. Flush bulks and general alterations. Contract awarded to I. Shulman, 1938 North Eighth street, Philadelphia.

**Factory**, southwest corner of Third and Noble streets, Philadelphia, \$2,400. Architect, private plans. Owners, Wm. Amer & Co., Third and Willow streets, Philadelphia. Brick, second story addition, 29 feet 4 inches x 51 feet 10 inches. Contract awarded to P. Haibach & Co., 1261 North Twenty-sixth street.

## PENNSYLVANIA

## Construction News

ing, plumbing. Architect taking bids, due October 15th. J. D. Lingle, Wayne, Pa.; M. N. Croll, Radnor, Pa.; D. O. Thomas, West Chester, Pa.; R. J. Morrison, Paoli, Pa., and James Duffy, Wayne, Pa.

**Dye House**, Moss street, Reading, Pa. Architect, G. L. Gerhard, 619 Penn street, Reading, Pa. Owner, F. Y. Kitzmiller, 426 Penn street, Reading, Pa. Brick, 1 story, 40x94 feet, concrete and stone foundations, composition roof, concrete floors, electric light, roof ventilators. Plans in progress.

**Double House (alts.) to Apartment and Store**, Wyomissing, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Textile Machine Work Co., Wyomis-

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sing, Pa. General interior alterations, metal store front. Plans in progress. Owner will build.

**Store Front and Service Station**, Reading, Pa. Architect, Calvin Young, 520 Washington street, Reading, Pa. Owner, George H. Beecher, 228 North Fifth street, Reading, Pa. Steel and reinforced concrete, 2 stories, 28x84 feet, concrete foundations, slag roof, steam heat, electric light, tile work, concrete and wood floors, plate glass, hollow metal skylights, roof ventilators. Owner will build.

**Masonic Temple (alts.)**, Norristown, Pa. Architect, Harry Gordon McMurtrie, 1012 Walnut street, Philadelphia. Owners, Masonic Temple, Norristown, Pa. Brick, 1 story add., 30x45 feet, tin roof, steam heat, electric light. Architect is ready for bids.

**Residence and Garage** (general manager's), Indiana, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Clearfield Bituminous Coal Corp., Indiana, Pa. Hollow tile, 2½ stories, 40x50 feet, garage, 1 story, 21x22 feet, shingle roof, hardwood and cement floors, convertible combination heater, electric lighting. Owners taking bids due October 10th at 5 P. M. John W. Cowper Co., Fidelity Building, Buffalo, N. Y.; J. A. Stuchell, Indiana, Pa., and C. F. McJunkin, Indiana, Pa., are figuring.

**Residence**, Lancaster, Pa. Architect, J. B. Harman, 48 North Queen street, Lancaster, Pa. Owner, A. C. Darnstaffer, 246 College street, Lancaster, Pa. Stone and stucco, 2½ stories, stone foundations, slate roof, hardwood floors, hot air heating, electric lighting, tile work. Owner will build.

**Residence**, York, Pa., \$40,000. Architects, Gimmell & Billmeyer, Rossmiller Building, York, Pa. Owner, name withheld. Stone, 3 stories, 40x60 feet, stone foundations, slate roof, hardwood floors, steam heat, electric

light, tile and marble work. Plans in progress.

**Residence (alts.) to Apartment and Stores**, Market street, York, Pa. Architect, J. B. Hamme, City Bank Building, York, Pa. Owner, York Auto Supply Co., Market street, York, Pa. Brick, 3 stories, plate glass, granite work, steel beams, cement and brick work. Architect taking bids due as soon as possible. S. H. Gladfelter, G. W. Gilbert, I. Reindollar & Son, Jacob Crist, Hess Bros. and Frank Werner, all of York, Pa., are figuring.

**Manufacturing Building**, West Prince street, Lancaster, Pa. Architect, E. C. Urban, Woolworth Building, Lancaster, Pa. Owner, Charles F. Stauffer, North Prince street, Lancaster, Pa. Mill construction, 1 story, 60x80 feet, concrete foundations, slag roof, cement floors, electric light, rolled steel skylights, roof ventilators. Owner will build.

**Buildings**, Wilson Township, Easton, Pa. Architect, William M. Michler, Easton, Pa. Owners, Easton Hospital, Easton, Pa. Brick, concrete, stone, steel and stucco, power house, 1 story, 35x88 feet, hospital building, 4 stories, 41x139 feet, wings 25x70 feet, and (2) 49x50 feet and (2) 25x47 feet, nurses' home, 3 stories, 26x69 feet, wing 25x68 feet, slag roof, composition floors, hollow tile, iron stairways (electric work, heat and plumbing reserved). Lowest bidders on main building: Bechtel & Bechtel, Easton, \$454,000; Standard Const. Co., 1713 Sansom street, Philadelphia, \$494,000; Cramp & Co., Denckla Building, \$500,000, and Roydhouse-Arey Co., 112 North Broad street, \$515,000.

**Printing Shop**, Carlisle, Pa. Architects, Lockwood & Greene Co., 101 Park avenue, New York City. Owner, C. H. Masland & Son, Carlisle, Pa. Reinforced concrete and brick, 2 stories, 100x200 feet, slag roof, cement floors, hollow tile, plastering, metal lath,

(1) elevator, structural steel, rolled steel sash (heating, electric lighting and mechanical equipment reserved). Architects have received bids.

**Office Building**, Indiana, Pa. Architect, L. W. Robinson, 42 Church street, New Haven, Conn. Owner, Rochester & Pittsburgh Coal & Iron Co., on premises. Brick, terra cotta, steel and concrete, 3 stories, 98x50 feet, wing 47x51 feet, slag roof, yellow pine, tile, marble and terrazzo floors, metal lath, roof ventilators, metal and fire doors, copper skylights, fire escapes, iron stairs, iron work, safety treads (plumbing, heating and electric lighting reserved). Architect has received bids.

**Residence and Garage**, Paoli, Pa. Architect, E. Nelson Edwards, 1012 Walnut street, Philadelphia. Owner, name withheld. Frame and stucco, 2½ stories, slate roof. Revised plans about completed. Architect will be ready for bids in a few days.

**Residence**, Paoli, Pa. Architect, E. Nelson Edwards, 1012 Walnut street, Philadelphia. Owner, J. J. Geunther, Paoli, Pa. Stone and frame, 2 stories, 25x40 feet, shingle roof, pine floors, stone foundations, hot air heat, electric lighting. Architect has received bids.

**Kindergarten Building for Girls**, Rydal, Pa., \$15,000. Architect, Edward F. Hoffman, 1627 Sansom street, Philadelphia. Owner, Ogontz School, care of Wayne Herkness, Land Title Building, Philadelphia. Stone, 2 stories and basement, 22x45 feet, shingle roof, hot water heating, electric lighting, gas lighting. Owners taking bids due October 14th at 11 A. M. Harry Murphy, Willow Grove, Pa.; M. E. Hauser, Glenside, Pa.; Ewin Leber, Abington, Pa.; Fesmire Bros., Bethayres, Pa., and E. Allen Reeves, Abington, Pa., figuring.

**Factory Buildings (2)**, Spring Mills, Pa. Architect, William Neubery, Otis Building, Philadelphia. Owners, Lee Tire & Rubber

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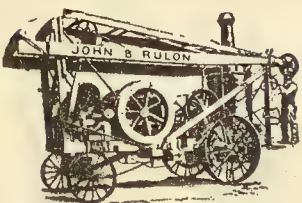
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**Residences (3)**, Lansdowne, Pa. Architect, J. Fletcher Street, 129 South Fifth street, Philadelphia. Owner, Albert B. MacGregor, 1224 Chancellor street, Philadelphia. Hollow tile and plaster, 2 stories, 37x41 feet, slate roof, hardwood and pine floors, hot water heating, electric lighting, tile work. Owner will build and is ready for sub-bids.

**Residence**, near Bethlehem, Pa. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, J. E. Mathews, care of Bethlehem Steel Co., South Bethlehem, Pa. Hollow tile and stucco, 2½ stories, 38x72 feet. Working plans about completed. Architect will take bids on residence first. Garage, barn, etc., will be built later.

**Residence**, Phoenixville, Pa. Architects, Hawley & Hawley, Midvale avenue and Stokley street, Germantown. Owner, name withheld. Hollow tile and stucco, 1½ stories, 18x40 feet, shingle roof, hardwood floors, stone foundations, hot water heat, electric light, tile work. Architect will be ready for bids in three weeks.

**Factory**, York, Pa., \$150,000. Architect, J. B. Hamme, City Bank Building, York, Pa. Owner, Otto Eisenlohr Bros., 932 Market st., Philadelphia, Pa. Brick and reinforced concrete, 3 stories and basement, 88x175 feet, concrete roof, concrete and maple floors, steam heat, electric light, hollow metal sash and skylights, plumbing, elevators. Architect will take bids in two weeks.

**Residence**, York, Pa. Architect, J. B. Hamme, City Bank Building, York, Pa. Owner, J. C. Motter, York, Pa. Frame and stucco, 2 stories, 26x36 feet, concrete foundations, asbestos shingle roof, hardwood floors, vapor heating, electric light, tile work. Architect taking bids due as soon as possible. James L. Menough, S. F. Gladfelter, G. W. Gilbert, I. Reindollar & Son, Hess Bros. and Frank Weirer, all of York, Pa., are figuring.

**Bungalow**, Ridley Park, Pa. Architects, Durham Banville Co., 323 Walnut street, Philadelphia. Owner, J. Glabb, care of architects. Frame, 1½ stories, 28x36 feet, shingle roof, stone foundations, hot water heating. Preliminary plans in progress.

**Residence**, Homestead avenue, Beechwood Park, Pa. Architect, Durham-Banville Co., 323 Walnut street, Philadelphia. Owner, C. Erickson, care of architects. Stucco, 2½ stories, 36x40 feet, shingle roof, hardwood floors, stone foundations, hot water heating, electric lighting, plumbing, metal lath. Architects are ready for bids.

**Residence (alts. and add.)**, Penllyn Pike, Penllyn, Pa. Architects, Willing & Sims, 1627 Sansom street, Philadelphia. Owner, Orville H. Bullitt, Penllyn, Pa. Frame, 2½ stories, 30x32 feet, shingle roof, stone foundations, oak floors, iron work, plastering, painting, glazing, hardware, mill work, carpentry, sheet metal work. Architects taking bids due October 13th. William R. Dougherty, 1610 Sansom street; J. Sims Wilson Co., 1125 Brown street; F. Elvidge & Son, 5522 Germantown avenue; Amos Walton, Ambler, Pa., and Walter Schaeff, Blue Bell, Pa., are figuring.

**Club House (add.)**, Pittsburgh, Pa. Architect, B. Jansen, Pittsburgh, Pa. Owner, Pittsburgh Athletic Association, Pittsburgh, Pa. Brick, stone, concrete, steel and terra cotta,

7 stories, 80x135 feet, tile and composition roof, maple and concrete floors, metal, tile and composition roof, maple and concrete floors, metal lath, safety treads, concrete and stone foundations, tile and marble work, kalamein doors, iron stairs, iron work (heating, lighting and structural steel work reserved). Architect taking bids. Roydhouse-Arey Co., 112 North Broad street, Philadelphia, is figuring.

**Residence (alts. and add.)**, Paxtang, Pa. Architect, Albert Kelsey, Perry Building, Philadelphia. Owner, John Y. Boyd, Paxtang, Pa. Stone, 3 stories, 25x52 feet, shingle roof, oak floors, stone foundations, hot air heat, electric light, tile and marble work. Plans in progress.

**Road Work**, various locations, Pennsylvania. Owner, State of Pennsylvania, care of Lewis S. Sadler, State Highway Commissioner, Capitol Building, Harrisburg, Pa. Low bidder:

Armstrong County, Gilpin Township, Route No. 281, length 11,640 feet. One course reinforced concrete. F. S. Wilson, Kittanning, Pa., \$106,709.

Bucks County, Falls Township and Morrisville Borough, Route No. 281, length 9,577 feet. Bituminous surface course on a concrete foundation. Clifford Engr. Co., Farmingdale, N. J., \$45,593.70.

Cambria County, Croyle Township, Route No. 276, length 6,634 feet. One course reinforced concrete. Coles-Englehart Co., Ebensburg, Pa., \$92,809.80.

Cambria County, Cresson and Gallitzin Townships and Cresson Borough, Route No. 53, length 12,947 feet. Either one course reinforced concrete and Hillside vitrified brick. Polo C. Azzara, Cresson, Pa., \$143,443.07.

Centre County, State College Borough, Route No. 56, length 5,326 feet. Vitrified brick. Britton, Kearney & Wickham, Brockwayville, Pa., \$162,137.22.

Chester County, New Lodnon and Franklin Townships, Appli. 557-558, length 21,619 feet. One course reinforced concrete. Winston & Co., Kingston, N. Y., \$166,538.25.

Chester County, North and South Coventry Townships, Route No. 147, length 28,292 feet. Either bituminous surface course on a concrete foundation or one course reinforced concrete. Winston & Co., Kingston, N. Y., \$248,234.80.

Clinton County, Flemington Borough, Route No. 58, length 4,265 feet. Either bituminous surface course and Hillside vitrified brick on a concrete foundation or one course reinforced concrete. Hughes & Phillips, Clearfield, Pa., \$52,728.20.

Crawford County, East Mead Township, Route No. 89, length 18,514 feet. One course reinforced concrete and Hillside vitrified brick. Martin Dolan, Jamestown, N. Y., \$190,403.70.

Delaware County, Marple and Springfield Townships, Route No. 225, length 26,713 feet. Either one course reinforced concrete and Hillside vitrified brick or bituminous surface course on a concrete foundation and Hillside vitrified brick. Union Paving Co., Philadelphia, Pa., 3319,339.53.

Erie County, Greene Township, Route No. 88, length 21,109 feet. One course reinforced concrete. The Summit Const. Co., Akron, Ohio, \$196,026.03.

Erie County, Route No. 87, Northeast Township, length 18,421 feet. Either bituminous surface course on a concrete foundation or one course reinforced concrete. Warren Bros. Co., Boston, Mass., \$144,121.19.

Erie County, Girard Township and East

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Springfield Borough, Route No. 86, length 19,100 feet. Either bituminous surface course on a concrete foundation and Hillside vitrified brick or one course reinforced concrete and Hillside vitrified brick. The Campbell Bros. Co., Youngstown, Ohio, \$240,483.83.

Fayette County, Franklin Township, Route No. 247, length 19,214 feet. One course reinforced concrete and Hillside vitrified brick. Austin & Matthews, Pittsburgh, Pa., \$175,624.70.

Fayette County, Dunbar Township, Route No. 247, length 5,950 feet. One course reinforced concrete and Hillside vitrified brick. Strawn Cont. Co., Uniontown, Pa., \$65,445.55.

Lancaster County, Colerain Township, Appli. 761, length 19,618 feet. One course reinforced concrete. Souder Const. Co., Inc., Lancaster, Pa., \$183,687.31.

Westmoreland County, Derry Township, Route No. 68, length 11,121 feet. One course reinforced concrete. McCrady Bros., Co., Braddock, Pa., \$107,966.40.

Westmoreland County, Salem and Unity Townships, Route No. 68, length 9,314 feet. One course reinforced concrete and Hillside vitrified brick. George S. White Co., Pittsburgh, Pa., \$131,731.05.

Westmoreland County, Derry Township, Route No. 68, length 32,047 feet. One course reinforced concrete and Hillside vitrified brick. McCrady Bros. Co., Braddock, Pa., \$413,981.50.

Westmoreland County, Delmont Borough, Hempfield, Salem and Washington Townships, Route No. 69, length 57,688 feet. One course reinforced concrete and Hillside vitrified brick. Sam Gamble Co., Carnegie, Pa., \$671,298.97.

Residences (8) (add. and alt.) to Apartments, Market street, Harrisburg, Pa. Architect, C. P. Lappley, 206 Market street, Harrisburg, Pa. Owner, D. A. Sanderlen, Security Trust Building, Harrisburg, Pa. Brick and stucco, 3 stories, 18x30 feet, stone foundations, shingle roof, electric light. Sketches in progress.

Warehouse and Station, Fourteenth and Howard streets, Harrisburg, Pa. Architect, C.

P. Lappley, 206 Market street, Harrisburg, Pa. Owner, name withheld. Fireproof, 2 stories, 206x130 feet, concrete foundations, composition roof, cement floors, electric lighting, hollow metal sash. Sketches completed.

Garage, 624 North street, Harrisburg, Pa. Architect, C. J. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Eureka Coal Co., care of M. A. Baily, 624 North street, Harrisburg, Pa. Brick and steel, 1 story, 60x70 feet, composition roof, concrete floors, electric lighting. Owners taking bids due as soon as possible. C. W. Strayer, G. Wagner and Frank Sausseman, Harrisburg, figuring.

Factory (add.), Harrisburg, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Modern Textile Co., North Fourth street, Harrisburg, Pa. Brick, 2 stories, 38x100 feet, composition roof, wood floors, electric lighting. Owner taking sub-bids.

Residences (6), Emerald street, Harrisburg, Pa. Architect, C. P. Lappley, 206 Market street, Harrisburg, Pa. Owner, C. G. Fickes, 16 South Second street, Harrisburg, Pa. Brick, stucco, 2 stories, 14 feet 10 inches x45 feet, stone foundations, asbestos roof, pine floors, steam heat, electric light, tile work. Owner taking sub-bids.

Residences (3), Derry street, Harrisburg, Pa. Architects, Markley & Starr, Spooner Building, Harrisburg, Pa. Owner, Harold Hipple, 14 South Second street, Harrisburg, Pa. Brick, 2 stories, 15x30 feet, concrete foundation, composition roof, hardwood floors, steam heat, electric light. Owner will build.

Residence, Westtown, Pa. Architect, Walter F. Price, 136 South Fourth street, Philadelphia. Owners, Westtown Boarding School, Westtown, Pa. Stone, 2½ stories, 25x40 feet, cedar shingle roof, pine floors, stone foundations, vapor vacuum heating, electric lighting. Architect taking bids. R. C. Ballinger & Co., 218 North Thirteenth street; J. W. Worriow, Media, Pa., and Plummer E. Jefferis, West Chester, Pa., are figuring.

Foundry, Hamburg, Pa. Architect, private plans. Owner, William Neiman, Hamburg, Pa. Brick and steel, 1 story, 144x365 feet, electric lighting, rolled steel sash. Plans in progress.

## PENNSYLVANIA

### Contracts Awarded

Garage, Laverock, Pa. Architects, Willing & Sims, 1627 Sansom street, Philadelphia. Owner, Mrs. Charles Platt, 3rd, Laverock, Pa. Plaster, 2 stories, 20x24 feet, shingle roof, cement floors, waterproofing, stone foundations, electric lighting (heating reserved). Contract awarded to E. Allen Reeves, Abington, Pa.

Factory, Columbia, Pa. Architect, W. R. Evans, 10 East Orange street, Lancaster, Pa. Owner, Follmerlog Co., Columbia, Pa. Mill construction, 3 stories, 50x90 feet, slag roof, maple floors, steam heat, electric light, rolled steel sash, fire doors, elevators, reinforced concrete stairs. Contract awarded to G. W. Paules, Columbia, Pa.

Residence, Walnut street, Lancaster, Pa. Architect, M. R. Evans, 10 East Orange street, Lancaster, Pa. Owner, H. L. McClure, Lancaster, Pa. Brick, 2½ stories, 40x26 feet, slate roof, hardwood floors, electric light, tile work.

Plans revised. Contract awarded to Herman Wohlsen, Woolworth Building, Lancaster, Pa.

Residence (alt. and add.), East King street, Lancaster, Pa. Architect, E. C. Urban, Woolworth Building, Lancaster, Pa. Owner, Mrs. D. M. B. Royer, East King street, Lancaster, Pa. Hollow tile, 3 stories, 40x30 feet, tile roof, hardwood floors, heating extension, electric lighting, tile and marble work, general interior alterations. Contract awarded to M. H. Stumpf, Lancaster, Pa.

Factory, York, Pa., \$80,000. Architects, Gimmel & Billmeyer, Rossmiller Building, York, Pa. Owner, Read Machine Co., York, Pa. Steel and glass, 1 story, 160x240 feet, reinforced concrete and composition roof, cement floors, hot air heat, electric light, rolled steel sash, fire doors. Contract awarded to E. H. Latham, Columbus, O. (Boiler house, office and general layout for future development, including housing for employees.)

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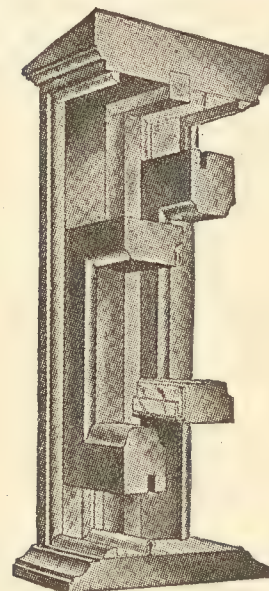
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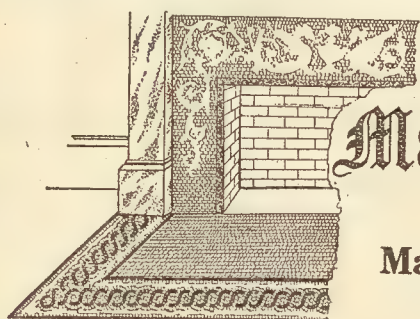
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**Laundry, St. Joseph's Hospital, Lancaster, Pa.** Architect, E. C. Urban, Woolworth Building, Lancaster, Pa. Owner, St. Joseph's Hospital, on premises. Brick, 1 story, 39x78 feet, slate and slag roof, cement floors. Contract awarded to B. F. Bachman, Woolworth Building, Lancaster.

**Office Building (alts. and add.), Chester, Pa., \$6,000.** Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Owner, Huston Mfg. Co., Chester, Pa. Brick, 1 story add., 26x42 feet, slag roof, pine floors, steam heat and electric light extensions, general interior alterations. Contract awarded to Ward Building Co., Chester, Pa.

**Cottage, Wyomissing, Pa.** Architect, Calvin Young, 520 Washington avenue, Reading, Pa. Owner, Hugo Schumann, on premises. Brick, 1½ stories, 30x32 feet, tile roof, hardwood floors, hot water heat, electric light. Contract awarded to George Kline, Reading, Pa.

**Factory, Richland, Pa.** Architect, Calvin Young, 520 Washington street, Reading, Pa. Owners, Curtis & Jones, Reading, Pa. Concrete, 3 stories, 100x120 feet, concrete foundations, slag roof, concrete floors, hot water heating, electric lighting, rolled steel sash and skylights, fire tower, concrete stairs. Contract awarded to L. H. Focht & Son, Reading, Pa.

**Residence (alts. and add.), Mahanoy City, Pa., \$15,000.** Architect, Benj. R. Stevens, 1737 Filbert street, Philadelphia. Owner, Dr. A. P. Seligman, 76 South Main street, Mahanoy City, Pa. Frame and stucco, 2 stories, slate roof, electric lighting. Contract awarded to Andrew Breslin, Summit Hill, Pa.

**Dining Hall (add.), Marcus Hook, Pa.** Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, American Viscose Co., Marcus Hook, Pa. Brick, steel and terra cotta, 3 stories and mezzanine, 50x85 feet and 20x50 feet, stone foundations, slate roof, composition, tile and maple floors, tile, marble and terrazzo work, rolled steel sash, fire and kalamein doors, steel stairs, safety treads (plumbing, heating, electric work reserved). Contract awarded to William Provost, Jr., Chester, Pa.

**Bungalow and Garage, Maple avenue, Drexel Hill, Pa.** Architects, MacKenzie & Wiley, Liberty Building, Philadelphia. Owner, A. MacDonald, care of architects. Stone, 1 story and basement, 50x50 feet, 1 story, 14x20 feet, asbestos shingle roof, hardwood floors, hot water heat, electric light. Contract awarded to Harry W. Koch, Drexel Hill, Pa.

**Residence and Garage, Belmont and Huey avenue, Drexel Hill, Pa.** Architects, MacKenzie & Wiley, Liberty Building, Philadelphia. Owner, Otto Dannenberg, 6413 Paschall avenue, Philadelphia. Frame and plaster, 2½ stories, 25x35 feet, and 1 story, 18x20 feet, asbestos slate shingle roof, cement floors, hot water heating, electric lighting, stone foundations. Contract awarded to Harry W. Koch, Drexel Hill, Pa.

**Power House, Carlisle, Pa.** Architects, Lockwood Greene Co., 101 Park avenue, New York City. Owners, C. H. Masland & Sons, Amber and Westmoreland streets. Concrete, brick and steel, 1 story, 30x94 feet, slag roof, cement floors, concrete foundations, rolled steel sash, iron work (electric lighting reserved). Contract awarded to J. S. Rogers, Drexel Building, Philadelphia.

**Garage, Penfield, Pa.** Architect, H. Rex Stachouse, 129 South Fifth street, Philadelphia. Owner, Mrs. Gertrude Leedom, Penfield, Pa. Hollow tile and stucco, 1 story, 19½x21½

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feet, slate roof, cement floors, stone foundations, electric lighting. Contract awarded to Zimmerman Const. Co., Chester, Pa.

**Office (add.),** Fifth and Howard streets, Harrisburg, Pa. Architect, F. G. Fahnestock, Patriot Building, Harrisburg, Pa. Owner, Oliver Chilled Plow Co., Harrisburg, Pa. Frame, 1 story, 20x60 feet, shingle roof, pine floors, steam heat, electric light, fireproof vault. Contract awarded to H. M. McKelvey, 1107 North Front street, Harrisburg, Pa.

**Garage and Show Room,** Lewisburg, Pa. Architects, Markley & Starr, Spooner Building, Harrisburg, Pa. Owners, Miller Bros., Lewisburg, Pa. Brick, frame, 2 stories, 140x80 feet, concrete foundations, composition roof, steam heat, electric light, cement floors, rolled steel sash and skylights. Contract awarded to Harold Hipple, 14 South Second street, Harrisburg, Pa.

**Synagogue,** Front and Seneca streets, Harrisburg, Pa., \$50,000. Architect, F. G. Fahnestock, Patriot Building, Harrisburg, Pa. Owner, Oher-Sholom Cong., Harrisburg, Pa. Stone, 2 stories, 50x80 feet, tile roof, tile and wood floors, vapor heat, electric light, tile, marble and terrazzo work hollow metal skylights. Contract awarded to Central Const., Harrisburg, Pa.

**Office Building (alt.),** Telegraph Building, Harrisburg, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, E. J. Stackpole, Telegraph Building, Harrisburg, Pa. General interior work, hardwood floors. Contract awarded to Central Const. Co., Harrisburg, Pa.

## New Jersey Construction News

**Church,** Trenton, N. J. Architect, G. Frank Witman, City Bank Building, York, Pa. Owners, Bethel Lutheran Church, Parker Place, Trenton, N. J. Stone, 1 story and basement, 60x80 feet, stone foundations, slate roof, hardwood floors, steam heat, electric light. Plans in progress.

**Building No. 24,** Camden, N. J. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Victor Talking Machine Co., Camden, N. J. Brick, 1 story, 54x478 feet, gypsum roof, concrete floors, stone foundations, rolled steel sash and skylights, iron work, waterproofing. Architects have received bids.

**Church,** National Park, N. J. Architects, Berry & Cummiskey, Real Estate Trust Building, Philadelphia. Owners, R. C. Church of St. Matthew, care of Rev. Chas. G. McCarriston, National Park, N. J. Brick, plaster and steel, 1 story, 49x82 feet, slate and shingle roof, maple floors, hollow tile, stone foundations (plumbing, heating, electric light reserved), iron work. Architects have received bids.

**Store and Apartments (2),** Princeton and Olden sts., Trenton, N. J., \$11,000. Architect, R. A. Schumann, 932 Lamberton street, Trenton, N. J. Owner, Jacob Freeman, 1601 Princeton avenue, Trenton, N. J. Brick, 2 stories, 44x48 feet, slag roof, electric light. Owner taking general bids.

**Residences (2),** Stuyvesant avenue, Trenton, N. J., \$10,000. Architect, private plans. Owner, C. Gerofsky, 129 Lamberton street, Trenton, N. J. Hollow tile, 2½ stories, 46x15 feet, concrete foundations, slate roof, pine floors, steam heat, electric light. Owner will build.

## New Jersey Contracts Awarded

**Hotel and Bungalow Project,** Chelsea Section, Atlantic City, N. J. Approximate cost, \$20,000,000. Architects, Warren & Wetmore, 16 East Fortyseventh street, New York City. Owners, Linnard-Ritz-Carlton Co., Madison avenue and Forty-sixth street, New York City. Brick, 14 stories, 600 rooms, 2 arcades, bungalows, convention hall and theatre, apartment houses, new section to Ambassador Hotel, Employees' Hotel. Brick, 6 stories. Contract awarded to Thompson-Starrett Co., 4 Wall street, New York City.

**Ice Manufacturing Plant,** Camden, N. J. Architect, Waldermar Mortensen, 209 South Seventy-sixth street, New York City. Owners, American Ice Co., Sixth and Arch streets, Philadelphia. Brick and steel, 1 story, 65x220 feet, slag roof, cement floors, stone foundations, waterproofing, iron work (heating and electric work reserved). Contract awarded to Sutton & Stephenson, 1317 Washington avenue.

**Bank (alts. and add.),** Haddonfield, N. J., \$35,000. Architects, Wm. W. Slack & Son, Trenton, N. J. Owners, Haddonfield National Bank, Haddonfield, N. J. Brick, steel and stucco, 2 stories, 33x38 feet, slate roof, tile and oak floors, metal lath, stone foundations, tile work, iron work (heating, electric lighting and marble work reserved). Contract awarded to Wills-Ludwick Co., 1708 Sansom street, Philadelphia.

**Store (alt. and add.),** 512 North Clinton street, Trenton, N. J. Architect, R. A. Schumann, 932 Lamberton street, Trenton, N. J. Owner, Liberty Dept. Store, Trenton, N. J. Brick, 1 story, 25x78 feet, stone foundations, slag roof, hardwood floors, electric light, interior work. Contract awarded to Frank Borowicz, 915 Spruce street, Trenton, N. J.

**Store Front (alt.),** 866 South Broad street, Trenton, N. J., \$4,000. Owner, Jacob Lampart, 1032 South Clinton street, Trenton, N. J. Brick, 2 stories, 9x28 feet add., tin roof, pine

floors, electric light, general interior alterations. Contract awarded to Solan & Doller, 48 South Olden street, Trenton, N. J.

## Delaware Construction News

**Factory,** Maryland avenue, Wilmington, Del. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Liberty Morocco Co., on premises. Brick, slow burning construction, 4 stories, 200x70 feet, concrete foundations, slag roof, hardwood floors, electric light, rolled steel sash, elevators. Plans in progress.

**Office (alts.) and Garage,** Eleventh and Church streets, Wilmington, Del. Architect,

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J. D. Thompson, Jr., Ford Building, Wilmington, Del. Owners, Hamilton Coal Co., on premises. Brick, 1 story, 30x60 feet, concrete foundations, composition roof, concrete floors, electric light, interior alterations to office. Plans completed.

**Residence (alts.) to Apartment (add.),** 2521 Delaware avenue, Wilmington, Del. Architect, E. L. Rice, 815 Market street, Wilmington, Del. Owner, J. H. Kane, on premises. Brick, 3 stories, 20x74 feet, concrete foundations, slag roof, pine floors, hot water heat, electric light, tile work, slate work, general interior alterations. Architect ready for bids.

**Ice Plant,** south side of Lancaster avenue, Wilmington, Del., \$4,500. Architect, private plans. Owners, Union Ice Co., Wilmington, Del. Tile, 1 story, 32x88 feet, concrete floors. Owner will build.

**Delaware****Contracts Awarded**

**Residences (4),** 2708-14 Van Buren street, Wilmington, Del., \$20,000. Architect, private plans. Owners, A. B. Slayton Co., 2600 Boulevard, Wilmington, Del. Brick, 2 stories, 22x20 feet, stone foundations, slag roof, pine floors, hot air heat, electric light, tile work. Contract awarded to P. H. Lynch, 304 West street, Wilmington, Del.

**Residence,** 808 Union street, Wilmington, Del., \$7,000. Architect, private plans. Owner, Pasquale Ricciulli, Seventh and Scott streets, Wilmington, Del. Brick, 2½ stories, 25x50 feet, stone foundations, slag roof, pine floors, hot water heat, electric light, tile work. Contract awarded to Agostino Fortunato, 1606 Howland street, Wilmington, Del.

**Proposals****INVITATION FOR PROPOSALS**

**TREASURY DEPARTMENT,** Supervising Architect's Office, Washington, D. C., September 22, 1919. Sealed proposals will be received at this office until 3 P. M., October 13, 1919, and then opened, for remodeling at the United States Post Office and Custom House, Fall River, Mass., in accordance with the specifications and drawings mentioned therein, copies of which may be had at this office or at the office of the Custodian, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT,** Supervising Architect's Office, Washington, D. C., October 3, 1919. Sealed proposals will be opened in this office at 3 P. M., October 17, 1919, for the extension and remodeling of the annex to the Butler Building, at Washington, D. C. Drawings and specifications may be obtained from the custodian at the Butler Building or at this office, in the discretion of the

Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT,** Supervising Architect's Office, Washington, D. C., September 29, 1919. Sealed proposals will be opened in this office at 3 P. M., October 28, 1919, for an additional 200 H. P. Water Tube Boiler at the Bureau of Engraving and Printing, Washington, D. C., in accordance with drawings and specifications, copies of which may be had at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

(Continued from page 612)

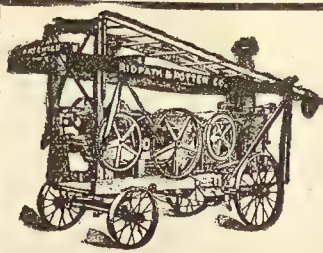
greatly improved as a result of the shop committee in its sheet metal and tin shop.

Many companies report that co-operation is greatly increased as a result of their works committee. The committees of the American Multigraph Company urged the management to discharge "slackers" at a time when the entire production of the plant was essential for war purposes. The committee of the Midvale Steel and Ordnance Company recently submitted a resolution to the management recommending that in laying off men, superintendents give preference to American citizens and in general endeavor to rid the works of radicals, Bolsheviks, and other undesirables. This resolution was passed upon favorably by the general superintendent and incorporated in an order which he sent to all of the department superintendents. The Prinz-Biederman Company attributes to its works committee the fact that many better class workers who had left the company returned to its employ.

One very definite advantage of works committees which seem to be reported without exception is that representatives take back to the employees from the meetings a more adequate appreciation of the problems of the management, and that this, together with the increased comprehension by the executives of the problems, desires, and ambitions of their workers, results in a much better understanding on both sides.

One Board of Directors showed its faith in the educational value of a works committee by authorizing the employees of the plant to elect a "board of operatives," to take over the complete management of four hundred houses owned by the company. A sum of money was set aside to be expended by the board of operatives on the repair and upkeep of the tenements. The company reports that while the employees have made several somewhat serious blunders in the management of the properties—such as putting a new roof on a house which should have been torn down—as a whole the education of the employees in the problems of management seems to be worth all that the company is spending on it.

One company reports that during the first few months after the establishment of its works committee system, production was increased about 20 per cent. and expenses advanced less than 5 per cent., while another reports an increase of 15 per cent. in production without an advance in wages. Both attribute the increased efficiency largely to the better plant spirit brought about by the works committees. The White Motor Company claims that the works committee was responsible for considerable reduction in turnover and absenteeism. The American Multigraph Company ascribes to its plan of representation

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a great reduction in the amount of tardiness. The Leeds and Northrop Company has observed a marked decrease in the amount of time wasted by workers since the shop committee was established. The same company reports that its works committee appointed a special sub-committee on housekeeping, which conducted clean-up campaigns which greatly improved conditions of the plant. The "house of representatives" of the Edmund D. David Company established a suggestion committee and awarded prizes to employees for suggestions of improvements in machinery, methods, and designs.

Several concerns report that, while at the first election a number of "radicals" were elected, the employees soon learned to distinguish between mere talkers and competent representatives. This resulted in the election the second time of conservative persons who feel the responsibility of representing the employees effectively and winning the confidence and respect of the management. Several company officials with whom we talked stated that the employees' representatives were frequently more inclined to be conservative than the management's representatives.

Without exception, where a works committee has been in operation for several months, the company reports that it has revealed capacity for leadership among employees which otherwise would have been suppressed or have found an outlet in some undesirable channel. William Demuth and Company has made it a practice to regard its employees' representatives as the natural group from which to select assistant foremen. Its attention was called to this possibility by the recommendation of the representatives that a certain assistant foreman be removed because of incompetency. The management, after investigation, complied with their request and appointed the chairman of the workers' committee to fill the vacancy. The Joseph and Feiss Company reports that their works committee "has greatly developed leadership."

It has been reported that some of the best leaders developed by industrial representation have ultimately been forced out of the company by unpopularity. These men, elected by their fellows to represent them, because of their intelligence and spirit of fairness, agreed with the management too often to suit their constituents. Do not be discouraged if the representatives of the workmen disagree with the management. The men will distrust their own representatives if they agree too much with the employer. Do not educate the representatives too far ahead of the rank and file or they will be accused of being "company men."

A classification of cases which were settled during a four months' period of employees' representative in three plants belonging to a large company is indicative of results in many other companies. Following is the classification:

Apprentice, back pay, charity, deportment, discharge, docking of pay, economy, employment, equipment, health, holidays, lighting, living conditions, machine equipment, overtime, pay methods, pay time, piece price, police, practice, promotion, quitting time, relief, rules, safety, sanitation, shifts, short pay, suspension, termination, theft, working conditions, working hours, time clocks, repairs. The total number of cases for this period was one hundred fifty-four for the three plants, of which one hundred thirty-two were settled in the affirmative, that is, in accordance with

the request as originally presented to the committee.

Our study reveals the fact that while minor matters of complaint involving personal discrimination are likely to be the first matters brought before the committee, it is not long before the committee is required to consider broader questions involving a discussion of shop practices, efficiency, discipline, and company policies. Industrial representation has tended, I believe, to make lighter the task of management by reducing the causes of friction between employers and employees, and by arousing in the workers a constructive interest in the progress of the industry in which they are engaged.

#### Instillation of Representation Plans.

Industrial representation is in successful operation in plants varying widely as to process and products, size and complexity of organization, and as to the character of the working force. None of these factors seems to determine the success, although each of them affects it and must be taken into consideration in working out the application of any plan to particular needs. But here are a few suggestions which I think it would be well for every one to consider when contemplating a plan:

Install it under peaceful conditions. One large company inaugurated a plan as the result of a strike, and the plan ended in another strike some time later. The company is now attempting to make a new start. To propose a plan to men on the verge of a strike is also almost certain to result in failure to win over the men.

To attain its highest success, a plan should be developed gradually, each step in so far as possible resulting from suggestions or requests of employees. By all means, do not impose a ready-made plan; let the men help work it out; it will be a better plan and they will feel that it is their own. Remember the attitude of our forebears toward English-made laws applied to the colonies. And no matter how good the plan seems to be, actual use will show need for changes.

See that the plan is simple in form, so that procedure under it is easy to understand and to carry out. As to the specific form, we find that the best results have been obtained with the joint-committee. But give opportunity for free discussion, that is, discussion without the presence of the management. It has been found good practice to alternate joint and separate meetings, with final action taken only in joint meetings. At a banquet held recently by the Standard Oil Company of New Jersey for the representatives of the men and the management, one of the employees' representatives suggested the establishment of separate boards for the management and the men. This action was not especially desired by the representatives, who had already taken up the subject once and voted against separate boards, but the men felt that their delegates would not speak freely before their "bosses."

In some plans the committees deal only with working conditions and welfare work, such as light, ventilation, locker rooms, etc.; in some they deal with all matters which directly concern the worker, including wages and hours. There are drawbacks to both plans. On the one hand, committees which have been restricted in their activities have grown restless and felt that they were deprived of their just rights. On the other

hand, committees which have been given free sway have sometimes failed to use judgment in the determination of hours and wages. In one plant, it is said that wages were forced up, despite the company's claim that they could not meet an increase. The reply of the men was, "Raise the price of your product." Experience would seem to show that a middle course works best. Give your committee supervision over working conditions and welfare work; educate them through the use of this function to a better understanding of the position and problems of the management; then as they show themselves capable of handling the more serious problems, extend their authority toward grievances, hours, wages, absence, cost of living, community conditions, etc. In most cases, it will be found that the desire for a wider scope of activities will go hand in hand with the growth of ability to handle the bigger subjects.

We advise that every employee, man or woman, citizen or alien, be made to feel as far as possible that he has a part in the operation of the plan. In one plant, voting was restricted to citizens, but all were, of course, allowed to present grievances. A group of foreigners did not understand this point, and struck because they thought they had no means of presenting their grievance. After the plan has been formulated be sure that every employee knows what it means and who made it. The men first consulted will advise as to the best method to be followed. Use the plant organ again and again to supplement word-of-mouth publicity. Do not hurry at this, or, indeed, at any point. Frequently the management fatuously prides itself on its excellent plan, when the men know nothing about it. In a plant which we visited several months after the installation of a representation plan, almost half the men who could not speak English either did not know of its existence or had no idea of its purpose.

It is especially important to make it plain that the plan in no way interferes with membership in unions or with existing relations of the management with labor unions.

Keep adequate record of all meetings and make them accessible to all. The main decisions should be posted on bulletin boards in each department and published in the plant organ.

Usually best results follow holding meetings during working hours. In one case, which has come to our attention, the representatives requested that the conferences be held out of hours, as they would feel less constraint in voting as they pleased. As a rule, however, committees which meet outside hours have failed to hold the interest of the representatives.

This lack of interest is one of the foes of employees' representation. Many feel that after the first enthusiasm attendant upon any new enterprise has worn off, the committee will fall into the apathy characteristic of so many committees. This has not generally been true. It should never be the case, for the matter is of vital interest to both sides. As with any other form of human activity, the success of a plan is in a large measure dependent upon the standing and capacity of the men who sponsor the plan. The best men and their best efforts are the answer.

#### Success or Failure.

The degree of success or failure of any plan of employees' representation depends not upon its form, the size of the company, the

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nature of the industry, or the character of the working force, but upon the understanding, by both management and the men, of what the plan means at its inception; by the management, of where it is likely to lead; and upon the degree of mutual confidence existing between employer and employees. There must at least be a foundation of confidence and cordiality if the management and the men are to strive together toward an industrial ideal.

The ideal industrial organization is one in which there is uniformity of purpose and friendly co-operation throughout the entire membership, ready recognition of the ideas of every member, promotion of those who prove themselves most capable, wise and fair

leadership, and equitable distribution of the earnings created by the joint efforts of the members.

There needs to be developed throughout the body of workmen the same productive co-operation which the president of every prosperous company gets from his fellow officers and their immediate assistants.

When this spirit has permeated an organization there will never again be a serious labor problem. I believe this result can be obtained because it is not only theoretically sound, but it has been done. A plan of industrial representation wisely conceived and fairly conducted is an important stepping stone to the industrial millennium.

## THE HOME-OWNERS INTEREST IN CITY AND TOWN PLANNING AND EXPANSION

PERCY R. MACNEILLE

The Homestead Commission of the Commonwealth of Massachusetts, one of whose functions has been to buy land and build homes with public money, afterwards selling these homes on easy terms to industrial workers, has an interesting comment to make in a recent annual report. This comment relates directly to city planning and its advantages to the community and to the individual. Following is a quotation from the report referred to:

"The attitude of local public officials has not generally been encouraging to the proposition that the growth and development of cities and towns should proceed in accordance with well-considered plans. Failing to grasp the fundamental fact that proper planning will save, and not spend, the public funds, and not realizing that unrelated, haphazard effects are wasteful beyond conception, petty officials haggle over the pennies needed to make proper plans while they sacrifice thousands of dollars and the future well-being of their communities by proceeding without forethought or system making changes here and improvements elsewhere, with no logical sequence and no apparent relation to each other.

"The results are disastrous to the public health, convenience and finances. Proper planning would stabilize values, save much of the cost of necessary improvements, and bring much-needed revenue to the public treasury; would promote public convenience and give greater safety from accident and fire, and save thousands of dollars by effecting economies in transit and transportation; would promote health and make life more wholesome and the city more beautiful."

The financial and social benefit of city planning to the individual taxpayer and home owner of a city is plainly indicated in the foregoing quotation, but in order to explain in more detail the method and purpose of city planning, we shall con-

sider briefly the many subjects which fall naturally under this head.

The first of these as outlined in a foregoing installment of this article is as follows: (1) Present city plan with recommended changes at bad traffic points and recommendations for the location of new public and semi-public buildings including railroad stations, hotels, theatres, churches and various institutions.

In all of our cities we are familiar with certain points, particularly in the business district where the juncture of several important traffic streets has brought about a condition of congestion in traffic. Such a condition has several objections, the overcoming of which will have a definite value both from the business viewpoint and that of public safety. At such points the conditions for pedestrian traffic are usually bad and it is difficult to provide safe crossing. For vehicular traffic there is not only the danger of accident, but the congestion at such points in many cases causes delay and disturbance of normal traffic. Again we find that in many cases business streets which were of adequate width for commercial and traffic activities years ago have been found too narrow, with the result that sidewalks are overcrowded and there is great difficulty in dividing parking space for automobiles, and in the maintenance of delivery business from the various stores. Aside from the general public inconvenience of business streets which are too narrow, this condition exerts a definite restriction on property values. The merchant does not get full benefit of his window display; nor can buildings well be constructed of the height to warrant the cost of land.

The problem of changing these conditions in closely built up sections of the city is at best a difficult one to meet. The drastic changes which should be made by cutting through and widening streets are impossible because of the cost which

would be involved. The city cannot well demolish good buildings for the purpose of developing better conditions, and as a result the problem has to be met along the lines which will provide some relief, but will not work injustice to the individual property owner or cause the city a too great expenditure in condemnation of buildings.

The problem of the city planner is, therefore, to make a study of bad traffic points and important street intersections with the idea of providing in some economical manner, new traffic routes which will relieve the flow at the particular point under consideration. It is often found that by inexpensive changes and the condemnation of a few old buildings, much important traffic may be swung away from the point of congestion.

In this manner roads may be developed which will handle a large proportion of the traffic that has heretofore caused congestion at any given point. Another method of relieving congestion is to provide better routing of through automobile traffic, discouraging the use of streets which pass directly through the congested traffic point. The creation of one way streets and the rerouting of surface trolley service will in many cases aid in the relieving of congestion. The widening of important business streets which have been closely built up, is impracticable in its immediate application, but it is entirely possible to establish a set-back line which will limit new construction, and through the process of years of application of such a building restriction, the street will gradually assume its proper width as the various older buildings pass their stage of usefulness and are replaced by new commercial structures.

In studying the business streets of many of our cities we find that there are many encroachments on public property. These consist of ornamental entrances, extension show cases, ornamental columns and similar structures which have been built to project on public property and which impede traffic by causing sidewalk obstruction. Signs, awnings and other projections are in many cases built so that they extend for some distance over the street blocking the view and giving an unsightly and disorderly appearance to main thoroughfares. This condition is met by the enforcement of the removal of all such obstructions to traffic and the view. Notice is given with ample time to the various property owners to bring about the removal of any encroachments on public property. If the encroachment is not removed, the method usually followed is to have the work done by the city and its cost added to the tax bill against the property. In this manner New York City, a few years ago caused a drastic clear-up of important business streets and the beneficial results



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***Building News  
Publishing Company***

*Perry Building,*

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were many.

Property owners and taxpayers should as a unit be interested in the impression which their city makes on the visitor, as the expansion of the city, commercially and industrially depends to a great extent on such impression. We find, therefore, that due interest attaches to the question of locating new public and semi-public buildings. It is found in many instances that the value of such buildings to the city is partly lost through poor location and inaccessibility. In carrying out a city plan, therefore, consideration is given to the possibility of locating railroad stations, hotels, theatres, churches, institutional and public buildings at points which will be convenient not only to incoming travellers, but to those citizens who have occasion to use such buildings. Many times because of transportation conditions, land values, general convenience and for various local reasons, it is usually found that such buildings are confined to certain logical districts of the city. By arranging for their location at strategic points, particularly on open public squares or community centers, full benefit may be gained from the architectural merit of the building as well as from the utilitarian standpoint.

The next important consideration in working out a city plan, is the creation of a definite development scheme for the sections of the city lying immediately outside of the built-up portions. By a careful study of past development of the city, and the natural conditions in outlying territory, it can be quite clearly established what sections of the city will develop more rapidly.

In the outlying territories subject to development, the city plan will show the location of future streets, bridges, tunnels and other components of a traffic system, both for business and residential districts. In this manner through a study of the contours of surrounding land the course of streets may be made such that there will be as little filling and grading as possible in their construction, thus achieving economy in the expenditure of city funds which may be appropriated for additional street construction. In addition to this by the proper laying out of streets all points of traffic congestion, narrowness of streets and other layouts from which the older cities suffer may be avoided.

Having outlined in a general manner some of the various direct benefits which the taxpayer may expect from city planning, it might be well to refer again to an interesting definition of the term "City Planning" which was widely circulated by the Massachusetts Homestead Commission. This definition was as follows:

City Planning means—

Conservation of human energy and preservation of life, particularly child-

life.

Economy, necessity, scientific reality.

Conformity to definite plan of orderly development into which each improvement will fit as it is needed.

Saving in cost of public improvements by business methods for city business.

Correlation of the city's activities.

Encouragement of commerce and facilitation of business.

Preservation of historic buildings with their traditions.

The development of an American city worthy of civic pride.

The rule of common foresight and prudence.

Happiness, convenience, health for all citizens.

Not merely superficial beautification.

Not the immediate execution of the whole plan.

Not extravagance, dreams, fads.

Not the surrender of the city to artists with vague schemes for civic adornment.

Not wholesale alterations at great expense, with no assured financial returns.

Not the interruption of commerce and business.

Not the destruction of the old landmarks and city individuality.

Not the imitation of London, Vienna and Paris.

Not the rule of change with ruinous expense and debt.

Not merely expensive boulevards and parks available only to the rich.

—*American Property Owner.*

## BUILDING OUT OF ODDS AND ENDS

How to have more comfortable and attractive homes as well as more healthful ones for the same expenditure of money when they rebuild, are some of the things the American Red Cross is teaching the people of the devastated areas abroad.

In most of the countries the new buildings will follow the general type of architecture of that country. The new Czecho-Slovak republic, however, has engaged an American to standardize architecture and engineering along American lines.

The housing problem in all of the devastated countries is still acute and in some places where the refugees are returning in vast numbers their government is literally tearing its hair trying to find an answer to "Where will they live?"

The Red Cross is assisting the Czecho-Slovak government to design and supervise the erection of temporary homes for the laboring people. When the Red Cross first sent a unit to Devorste, Serbia, it found that of the one hundred and forty homes there, the Bulgars had completely destroyed one hundred and

thirty-nine. The people were living in caves or holes with corn fodder roofs. This is not an exception, but is repeated in thousandss of towns and villages scattered through the war zone.

In the same building where Austria forged her big artillery at Pilsen, Bohemia (now included in the republic of Czecho-Slovak) the American Red Cross has housed the penniless victims of the war. Certain large buildings of the plant have been converted into living quarters until new homes can be built.

Portable Hospital barracks, nurses' homes, canteens, etc., used during the war by the Red Cross, have been "knocked down" to make homes for the people who have returned to find piles of bricks where their former homes stood.

Powder, shrapnel, and Hun wantonness wrecked 500,000 buildings in France alone and completely destroyed 250,000 of them. So these portable barracks were a veritable "God-send" to the people, who were living as best they could in makeshift houses. Pieces of corrugated iron had been salvaged for roofs, while old stones and shell-torn bricks stuck together with mud and clay made the walls, and all the dwellings had mud floors.

The type of portable barracks used most successfully by the Red Cross in its emergency work weighs five tons and is 97 by 17 feet, with twelve large windows, can be erected in two days, and will shelter forty people.

The roof, floor, and sides are of double thickness, providing an air space for warmth. The floor is of hard pine from the Alps, the roof of matched boards, the inside tongue and groove, the outside covered with tar paper. Practically no nails are used, the panels being bolted into place.

All the carpentry work on these barracks is done before they leave the shop, so that only common labor is required to erect them. The *mutiles* are the labor in many places. Carpentry seems to be a favorite vocation among these hapless victims of Prussianism.

The fame of the Red Cross City at Pisa, almost under the shadow of the leaning tower itself, had gone broadcast. It is a monument to what Red Cross ingenuity aided by American methods of building and engineering, could make out of unusual building material. It even went so far as to make concrete out of the stone and lava of Vesuvius.

Eighty of the ninety-one buildings erected in this complete little city made homes for 1000 Venetian refugees. Though a major portion is wanted for the great American program of better health activities, a part of the \$15,000,000 being asked for at the time of the Third Red Cross Roll Call from November second to eleventh will carry on to completion this work of rebuilding abroad.



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The Kind That Lasts

**Carter Concrete** PAVEMENTS, FLOORS, CONSTRUCTION—BUILT BY SPECIALISTS SINCE 1888—BUILT TO PREVENT CRACKING, CRUMBLING and DECAY—BUILT TO LAST.

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No amount of wear can cause Mineral Flooring to crumble and disintegrate for it is made of specially tough wear resisting mineral rock—stronger and more durable than natural stone.

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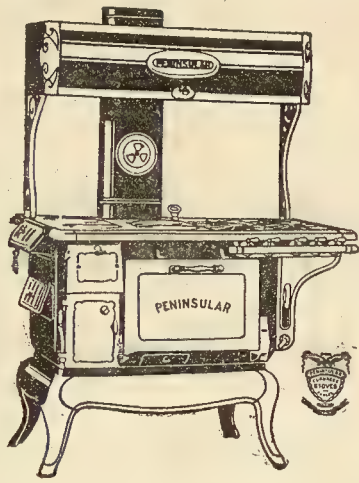
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PHILADELPHIA



MINERAL FLOORING CO.





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A Range that takes up no more space than an ordinary kitchen range, bakes and broils perfectly under all conditions and gives a lifetime of such service.

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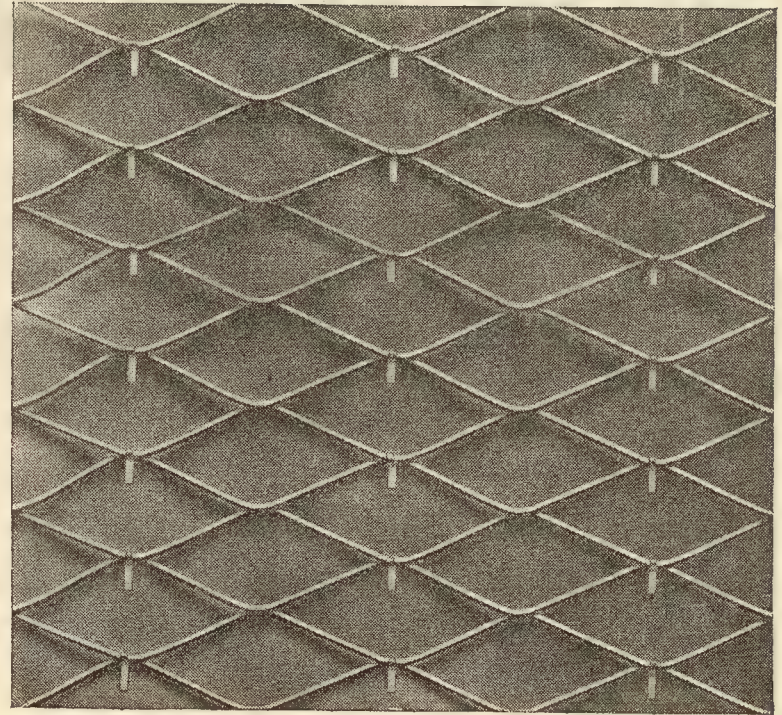
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The strands run diagonally, slanting in both directions. Hence, no matter in what direction a crack may start to form, a strand of steel will be found lying across its path to resist the tendency.

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## Blue Print Paper.

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F. Weber & Co.....1125 Chestnut st., Phila.

## Brick (Tapestry, Face, Common Paving)

O. W. Ketcham.....Builders' Exchange, Phila.  
John S. E. Pardee & Co.....Heed Bldg., Phila.

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Mitchell Bros.....2125 Race st., Phila.  
Pomeroy Const. Co.....1609 Ranstead st., Phila.

## Builders' Supplies.

P. H. Fairlamb Co.....115 S. 30th st., Phila.  
David France Co.....Tasker st. wharf, Phila.  
Samuel H. French & Co.....4th and York sts., Phila.  
F. C. Lotz's Sons, American and Dauphin sts.

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David France Co.....Tasker st. wharf, Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.  
Lehigh Portland Cement Co.,  
Finance Bldg., Phila.

F. C. Lotz's Sons, American and Dauphin sts.

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Pearce Fireproof Co.....1345 Arch st., Phila.

## Composition Flooring.

The Barrett Company,  
New York and Philadelphia.  
Petronite Mfg. Co.....531 N. 9th st., Phila.  
Philadelphia Mineral Flooring Co.,  
5632 Summer st., Phila.  
Woodoleum Manufacturing Co.,  
133 Arch st., Phila.

## Contractors' Equipment.

Service Equipment Co.....Bourse Bldg., Phila.

## Dampproofing.

The Barrett Co.....New York City and Phila.

## Electrical Construction.

Baird-Osterhout Construction Co.,  
1620 Chancellor st., Phila.

## Elevators.

A. B. See Electric Elevator Co.,  
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## Engineers' Supplies.

Chas. H. Robbins.....125 S. 11th st., Phila.  
Warren-Knight Co.....136 N. 12th st., Phila.  
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Metal Lathing Specialty Co.,  
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McCalla Co., The Harold....531 N. 4th st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truscon Steel Co.....Commonwealth Bldg., Phila.

## Floor Plates.

Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.  
Alan Wood Iron and Steel Co.,  
Widener Bldg., Phila.  
Morris Wheeler & Co. 30th and Locust sts., Phila.

## Furnaces and Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
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Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Kein Stove Co.....700 N. Front st., Phila.  
Richardson and Boynton Co. 1332 Arch st., Phila.

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Apeldorn & Beatty Co....155 N. 9th st., Phila.

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Fleck Bros. Co.....44 N. 5th st., Phila.  
Keystone Supply and Mfg. Co., 927 N. 9th st.  
Richardson and Boynton Co. 1332 Arch st., Phila.

## Hollow Tile.

O. W. Ketcham.....Builders' Exchange, Phila.

## Insurance.

Harris J. Latta.....Pennsylvania Bldg., Phila.  
Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.  
Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.  
Insurance Co. of North America,  
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McCalla Co., The Harold....531 N. 4th st., Phila.  
Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.  
Morris Wheeler & Co. 30th and Locust sts., Phila.

## Levels.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Light Iron Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Lumber.

Jas. M. Irwin & Co.....973 Beach st., Phila.  
Janney Lumber Co. ....1147 Beach st., Phila.  
Wm. Lloyd Co.....29th and Ridge ave., Phila.

## Marble Mosaic.

Belfi Bros. & Co.....1923 Market st., Phila.  
Italian Marble Mosaic Co...433 Spruce st., Phila.  
Roman Mosaic & Tile Co...435 Green st., Phila.

## Metal Lath.

Audubon Wire Cloth Co., Inc....Audubon, N. J.  
General Fireproofing Co. 512 Bulletin Bldg., Phila.  
McCalla Co., The Harold....531 N. 4th st., Phila.  
Pearce Fireproof Co.....1345 Arch st., Phila.  
Truscon Steel Co.....Commonwealth Bldg., Phila.

## Metal Lath Construction.

Metal Lath Specialty Co.,  
2610 W. Huntingdon st., Phila.

## Metal Tiles and Shingles.

Merchant & Evans Co.,  
2035 Washington ave., Phila.

## Meters.

Philadelphia Meter Co.,  
Real Estate Trust Bldg., Phila.

## Mill Supplies.

The Fairbanks Co.....7th and Arch sts., Phila.

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French, Samuel H., & Co.,  
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John S. E. Pardee & Co.....Heed Bldg., Phila.

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Keystone Supply and Mfg. Co., 927 N. 9th st.,  
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## Preservatives (Wood and Concrete).

The Barrett Co.....New York City and Phila.

## Ranges.

Borden Stove Co.....1311-13 Arch st., Phila.  
Henry M. Miller.....46-48-50 N. 2d st., Phila.  
Richardson and Boynton Co. 1332 Arch st., Phila.

## Refrigerators.

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## Reinforcing Bars.

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Witherow Steel Co....417 Widener Bldg., Phila.

## Roofing.

The Barrett Co.....New York City and Phila.

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Kensington Metal Co.....1612 N. 2nd st., Phila.

## Sand.

Sidley Silica Sand Co...611 Widener Bldg., Phila.

## Scales.

The Fairbanks Co.....7th and Arch sts., Phila.

## Screens.

Thos. J. Malia.....141 Wentz st., Phila.

## Sewer Pipe.

Wm. H. Clausen....27th and Diamond sts., Phila.

## Steam Specialties.

Apeldorn & Beatty Co.....155 N. 9th st., Phila.

## Soundings.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Nicholas, A. J., & Co.....Bulletin Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
John B. Rulon.....1355 Colwyn st., Phila.

## Structural Steel.

McCalla Co., The Harold....531 N. 4th st., Phila.  
Montgomery Iron & Steel Co. 1832 N. 9th st., Phila.  
Morris Wheeler & Co. 30th and Locust sts., Phila.

## Surety Bonds.

Harris J. Latta.....Pennsylvania Bldg., Phila.  
Stokes-Packard-Haughton & Smith,  
434 Walnut st., Phila.  
Wagner-Taylor-Edson Co., Inc.,  
422 Walnut st., Phila.

## Terra Cotta (Architectural).

O. W. Ketcham.....Builders' Exchange, Phila.

## Tile and Terrazzo Work.

Belfi Bros. & Co.....1923 Market st., Phila.  
French, Samuel H., & Co.,  
4th and Callowhill sts., Phila.

Italian Marble Mosaic Co...433 Spruce st., Phila.  
Petronite Mfg. Co.....531 N. 9th st., Phila.  
Roman Mosaic & Tile Co...435 Green st., Phila.

## Transits.

Warren-Knight Co.....136 N. 12th st., Phila.  
F. Weber & Co.....1125 Chestnut st., Phila.

## Ventilators.

Merchant & Evans Co., 2035 Washington ave.

## Water Heaters.

Garfield S. Davis.....34 S. 17th st., Phila.

## Water Paint.

Oeters, John C.....1242 N. 31st st., Phila.  
Southern, Wm. B.,  
N. W. Cor. 12th and Spruce sts., Phila.

## Waterproofing.

The Barrett Co.....New York City and Phila.

## Water Supply.

Keystone Supply and Mfg. Co.,  
927 N. 9th st., Phila.

## Weather Strip (Metal).

American Metal Weather Strip,  
2118 Diamond st., Phila.

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| Cash in Banks.....                   | 2,395,335.33    |
| Premiums in course of transmission.. | 3,203,681.96    |
| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

### LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

Total Liabilities ..... \$30,801,413.40

Surplus to Policyholders..... \$ 12,922,516.93

Losses paid since organization 203,147,689.78

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Steam and  
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Coal and  
Combination  
Ranges



Gas Ranges



# Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 42  
October 15, 1919

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CONTRACTORS AND THE MATERIAL AND EQUIPMENT TRADES

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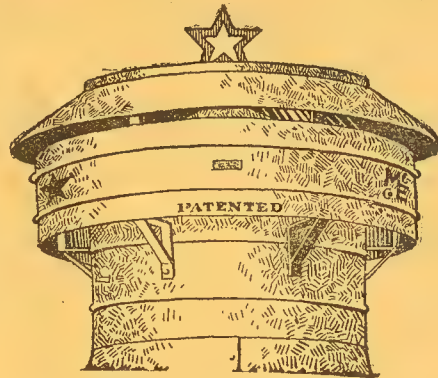
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*Without*

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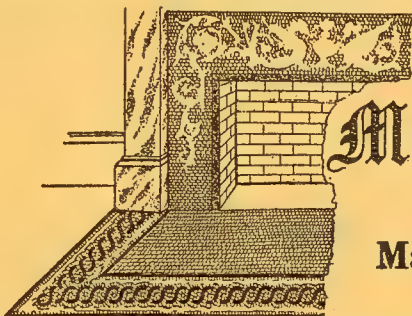
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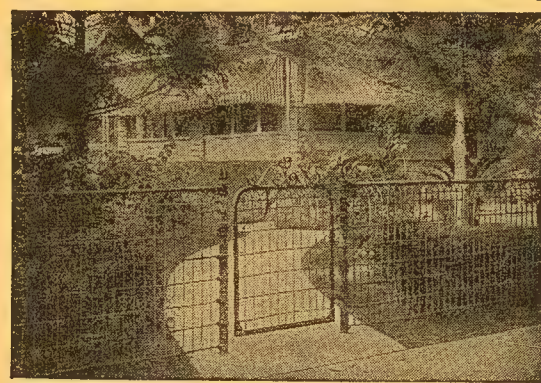
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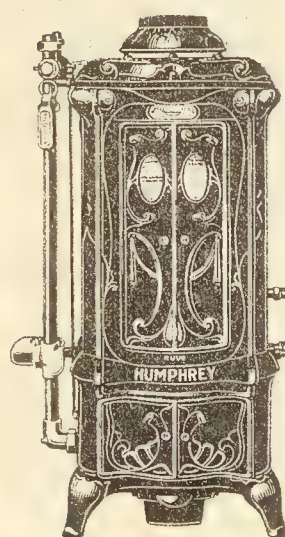
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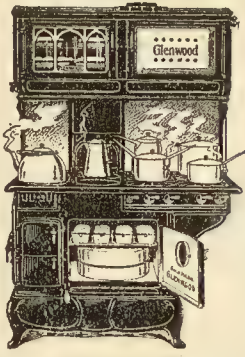
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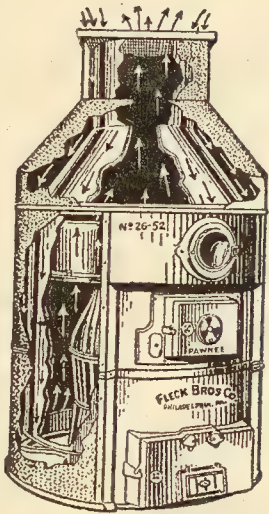


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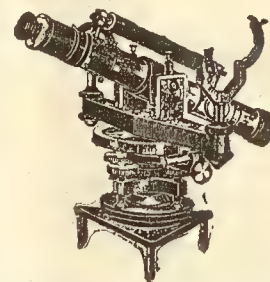
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VOLUME XXXIV  
Number 42

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October 15, 1919

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## As The Editor Sees It



IN glancing recently at the "Help Wanted" column of a local newspaper, our attention was attracted to the "ad" of a large shipbuilding plant which claimed to be the "safest shipyard in America." The value of safety is everywhere gaining recognition, so well demonstrated by the widespread interest in the Eighth Annual Safety Congress held recently in Cleveland.

Statistics from the Bureau of the Census of the United States Department of Commerce show that as a result of the accident prevention movement the total of accidental deaths in the death-registration area of continental United States during 1917 was reduced by approximately 6,500, as compared to the previous year.

"Machinery accidents caused 2,112 deaths, or 2.8% per 100,000, a rate materially greater than that for any preceding year covered by the Bureau's mortality records." "The Fundamental Principles of Safe Guarding" were presented at the Safety Congress by Sydney J. Williams, secretary and chief engineer, the National Safety Council, Chicago. Said Mr. Williams:

"The first half of our subject is—what shall I guard? The second half is—how shall I guard it?

"If you want your plant to be 100 per cent. safe, the answer to the first question is—guard every moving part, wherever located, on which a workman might be injured if he came in contact

with it in any way or form any cause whatsoever. If the moving part is in a place "where nobody ever goes," remember that someone is likely to go there sooner or later, in connection with the repair or maintenance or alteration of the machinery itself or of the building, or for some other reason which you cannot anticipate. You probably have heard the classic story—a perfectly true story—of the man whose heel was cut off by an unguarded gear 14 inches below the ceiling. The man was standing on a scaffold, working on another shaft nearby; to brace himself he placed his foot against the shaft on which the unguarded gear was located, his foot slipped, and was caught in the gear. Many similar examples could be quoted of accidents occurring in out-of-the-way places. Recognizing this fact, the Illinois Steel Company rule book—to mention only one example—requires that all gears, wherever located, must be enclosed.

"You may be puzzled by attempting to apply this principle to the guarding of overhead shafting and belts. Many shafts contain miles of overhead shafting, which it is almost a physical impossibility to guard. On the other hand, oilers and repairmen are frequently injured, sometimes fatally, on unguarded overhead shafting or belts. The only solution is, if the shafting positively cannot be guarded, to prohibit absolutely any work on such overhead transmission while it is in motion. Repair work,

shortening of belts, etc., can be done during the noon hour or at night; oiling likewise—or, better still, install automatic oilers or oilers which can be filled from the floor by using a special oil can with long spout. For details, see the National Safety Council's Safe Practices pamphlet on this subject.

"A gear or belt or other dangerous moving part which happens to be located below a table, or in some other place where it is partially hidden, is not thereby made safe. Someone occasionally must reach under the table to sweep or repair the floor or oil or repair the machine. Someone may slip or stumble so that his arm comes in contact with a gear or belt which would be safe for the workman standing in his normal position. The immigrant totally ignorant of machinery—and it is hard for us to realize the completeness of the ignorance on this subject, on the part of foreigners brought up in farming districts—may deliberately put his hand or his finger into an opening that looks interesting, just to see what it is. If he finds that "it" is an unguarded gear, it is easy to say that the accident is his own fault—but that does not relieve our obligation to pay his compensation, nor does it restore him to his vacant place in the gang.

"What I have said of gears and belts applies equally well to any moving part on which a man might be injured—counterweights, cranks, reciprocating parts

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such as a planer bed, and so on; also, of course, to the operating point of machines.

"The second half of the problem is—as already stated—"How shall I guard it?" Here are a few points to remember:

"1. A safeguard should be so designed and constructed that it will prevent *all* accidents on the part guarded—not only accidents to the operator while at his regular work, but also to the operator or passers-by in case they slip or fall or carelessly touch the machine.

"2. The guard should not interfere with production. If it does, it is liable to be taken off. In designing a guard it is generally wise to consult the man who will use it.

"3. In general, the guard should be attached to the machine and not to the floor; if attached to the floor, use a connection which will interfere as little as possible.

"4. The guarded part must be easily accessible for oiling, inspection, and repair. The door or removable section provided for this purpose should be hinged or otherwise attached to the remainder of the guard, or to the machine. If not, it is likely to be left off permanently.

"5. The guard should not interfere with cleaning and sweeping around the machine. It should, therefore, be kept generally about six inches above the floor.

"6. The guard should be strong enough to resist injury and keep its shape. A light, flimsy guard soon becomes bent and is discarded. A substantial guard is cheaper in the end.

"7. Incombustible guards are preferred. Wooden guards, soaked with oil, may become a serious fire hazard. Metal guards are neater and wear much better. "Metal guards look as if you wanted to; wooden guards look as if you had to." Guards may be made of cast iron, sheet metal, wire mesh, expanded or perforated metal, or slats. Where subjected to acid or fumes, wooden guards may be necessary.

"8. It is desirable to interlock the guard with the operating mechanism, where possible, so the machine cannot be operated unless the guard is in place.

"9. A safeguard can often be so designed that it will also serve to prevent wear on the parts guarded—for example, a solid gear enclosure.

"Let us consider the application of these suggestions to the design of gear guards. Cast iron guards are preferred because they may be made to fit more snugly, present a better appearance, and protect the gears from dust and injury. In shops having similar gears on several machines the cost of patterns and cast

iron guards will be no greater than the cost of 'built-up' guards. A cast guard of one machine may be used as a pattern for making guards for similar machines.

Guards for a variety of machines, and in many sizes, may be more cheaply made of sheet metal. In large guards, an angle iron is used to make the joint between the flat sides and the curved part of the guard. In guards smaller this joint may be made by cutting projections (like saw teeth) on each side piece and bending these over to form a smooth curve. The joint may then be made either by spot welding or by riveting. Short pieces of angle iron may also be used to form the joint—about  $\frac{3}{4}$ " $\times$  $\frac{3}{4}$ " $\times$  $\frac{1}{8}$ " angles, one inch long, 3" or 4" apart.

"Gears should be completely encased; or where this is impracticable, should have a band guard with side flanges extending inward beyond the root of the teeth. If there is a spoke hazard, the gear should be completely enclosed, or filled in between the spokes.

"Belts, flywheels, shafting and large gears are often guarded by an open-work rather than a solid enclosure. Such guards should be so designed that no one can get his hand or his finger into the danger point even if he tries. If the guard comes within four inches of any danger point the opening should not be greater than one-half inch square, which is small enough to exclude fingers. If more than four inches away—which is about the maximum length of a man's finger—the opening may be larger than one-half inch, but not larger than two inches square, this being small enough to keep out a man's hand. If a slatted construction is used, the slats should not be more than one inch apart.

"The safety engineer's greatest difficulty is in guarding machines on which men are working. Let me repeat that it is very important not to attempt to guard machines in a way which will interfere with production. The great majority of both foremen and workmen will seriously object to such a guard, will use it under protest, and when the opportunity arises they will take it off and not put it back. I have time to mention only two examples—the circular saw and the punch press.

A guard is not the only essential for safety in operating a circular saw. For ripping, it is very important that the saw be provided with a splitter. Keeping the saw sharp and properly set will greatly decrease the danger of throwbacks. The floor where the operator stands should have a non-slip surface.

"Many shop men say that it is impossible to guard a circular saw without interfering seriously with operation. The

safety rule book of a large company contains a similar statement. In a great majority of the woodworking shops which I have visited, some, at least, of the saws have not been guarded or some of the guards have not been in use.

"I remember, however, two woodworking shops where every saw was guarded and every guard was in use—the Westinghouse Electric and Manufacturing Company, at Pittsburgh, and the Commonwealth Steel Company, at Granite City. There doubtless are others, but I do not happen to have seen them. In each of these two shops every circular saw was provided with a guard which completely covered it when not in use, and which rose automatically from the table as the stock was inserted. I watched men operating these saws, and the guards did not seem to introduce the slightest difficulty. They were of very light construction, and when the stock was shoved in they rose without apparent effort—the larger ones, at least, being counterweighed. The men in charge of these departments told me that the guards did not interfere at all with production, and, in fact, that the men now would not work without them, because they felt that they were so much safer. I do not blame the workman or the foreman who objects to using a cumbersome, heavy, non-adjustable guard.

"Special work on circular saws sometimes is difficult to guard. In some cases these difficulties may be overcome by careful study. In a few cases they probably can not, and the guard must be temporarily laid aside, being hinged or pivoted for that purpose. Where this must be done, another safeguard can often be introduced. For example, in grooving the edge of a board, provide an auxiliary guide or fence, so that there will be a guard on each side of the saw, thus keeping hands away from contact with it.

"The punch press—using that common term to include all kinds of power presses—has, with the circular saw, the doubtful honor of causing more injuries, and especially more permanent injuries, than any other kind of machine. Where possible, the best guard is an enclosure around the plunger, which makes it impossible to get one's fingers underneath. Often, however, this is impossible. In such a case, let me suggest that instead of buying a dozen or a hundred of some so-called safety device, and putting it on every punch press in the shop, you start with one individual press and study the operation carefully in co-operation with the superintendent, foreman, master mechanic, and operator of the machine. Ask yourself the question—why do ac-

(Continued on Page 641)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING;  
CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Factory and Warehouse**, South side Passyunk avenue, East of Twenty-eighth street, \$60,000. Architect, private plans. Owner, Atlantic Refining Co., 3144 Passyunk avenue, Philadelphia. Brick and concrete, 4 stories, 56 feet 10 inches x 129 feet 2 inches. Owners will build.

**Store and Service Station**, 1343-47 Brandywine street, \$12,000. Architect, Arthur Rosenstein, 131 South Eighteenth street, Philadelphia. Owner, Evelyn Rosenberg, 4314 Pine street, Philadelphia. Brick, 2 stories, 46x60 feet, steam heat. Owner will build.

**Residences (8)**, Roosevelt Boulevard, East of Summerdale street, \$80,000. Architect, private plans. Owner, John B. Connor, 602 East Indiana avenue, Philadelphia. Brick, 2 and 3 stories, 16x46 feet. Owner will build.

**Store (alts.)**, 1015 Chestnut street, Philadelphia. Architect, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owners, Jacobs Bros., 1015 Chestnut street. Maple floors, carpentry, mill work, metal ceiling, painting, hardware, glazing, plastering. Architects taking bids. R. C. Ballinger, 218 North Thirteenth street; F. A. Havens Co., 845 North Nineteenth street; H. E. Grau Co., 1709 Sansom street; F. E. Wallace, 120 Chancellor street, and F. L. Hoover & Son, 1023 Cherry street, are figuring.

**Garage**, North side of Ludlow, West of Fortieth street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Charles J. Coll, 4021 Powelton avenue, Philadelphia. Brick, 1 story, 50x100 feet, slag roof, cement floors, hot water heating, electric lighting. Architect is ready for bids.

**Grading, Curbing and Sidewalk**, Loney street, from Barnes street to Oxford avenue, Philadelphia. Architect, private plans. Owners, City of Philadelphia, Department of Public Works, Bureau of City Property, 216 City Hall. Owners taking bids due October 22nd at noon.

**Public Garage**, 312-14-16 South Thirteenth street, Philadelphia, \$85,000. Architect, private plans. Owner, John McShain, 1610 North street. Brick and concrete, 2 stories, 250x57½ feet, concrete and slag roof, pine and cement floors, hollow tile, stone foundation, steam heating, electric lighting, plumbing, rolled steel sash, hollow metal skylights, (2) elevators, roof ventilators, gasoline storage system, rolling steel doors. Owner will build.

**Office Building**, 112 North Broad street, Philadelphia. Architect, Wesley Leshner Blithe, 608 Chestnut street, Philadelphia. Owner, Fidelity Mutual Life Ins. Co., W. LeMar Talbot, president, 112 North Broad street, Philadelphia. Reinforced concrete, 8 or 9 stories, 60x85 feet, composition roof, maple and composition floors, concrete foundations (steam heating, electric lighting and plumbing reserved), rolled steel sash, fire doors, (1) ele-

vator, plastering, wire glass, fire tower, ornamental iron work. Plans in progress. Architect will be ready for bids in about ten days.

**Chateau Belmont**, Belmont Plateau, Fairmount Park, Philadelphia. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, name withheld. Granite base, reinforced concrete, artificial stone, 2 stories, 100x250 feet, Carey roof, tile and marble floors, electric lighting, marble work (heating reserved), roof ventilators, metal bulks, ornamental iron work, roof ventilators, cafeteria and kitchen equipment. Plans completed. Architect will be ready for bids in the near future.

**Garage**, 406 Westview avenue, Germantown, Philadelphia. Architect, Albert F. Schenck, Real Estate Trust Building, Philadelphia. Owner, Howard C. Story, Fairfax Apartments, Germantown. Stone, 1 story, 19x22 feet, slate roof, cement floors, electric lighting, stone foundations, iron work. Architect taking bids due October 15th at noon. F. Elvidge & Son, 5522 Germantown avenue, are figuring.

**Residences (23)**, South side of Locust street, between Fifty-fourth and Fifty-fifth streets. Architect, E. Allen Wilson, 1218 Chestnut street, Philadelphia. Owner, Samuel Schlossberg, 6146 Pine street, Philadelphia. Brick, 2 stories, 16x50 feet, slag and slate roof, hardwood floors, tile work, combination lighting, garages in basements. Plans completed. Owner is ready for sub-bids.

**Stores and Apartments (alts. and add.)**, Twenty-second and Spring Garden streets. Architects, Robert Pollock and E. G. Rust, 1802 Chestnut street. Owner, Frank J. Costello, on premises. Stone, (3) apartments (4), new fire tower, sheet metal work, oak floors, steam heating, electric lighting, plumbing, tile work, mill work, changing partitions, structural and ornamental iron work. Architects ready for bids.

**Boiler and Engine House and Garage**, Kensington avenue and O street. Architect, Mahlon H. Dickinson, 1705 Chestnut street, Philadelphia. Owner, Max Sarfert, Kensington and Allegheny avenues. Brick, 1 story, 42x120 feet, garage 22x40 feet, slag roof, cement floors, rolled steel sash, iron work, stone foundations (heating, electric lighting and elevators reserved).

**Stores and Dwellings**, 5905-07-09-11 Germantown avenue. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owner, S. Weiss, care of architect. Brick and stone, 3 stories, slag roof, stone foundations, hot water heating, electric lighting, tile work, flush bulks, iron stairs, metal ceilings, hardwood and parquet floors. Architect will be ready for bids in a week.

**Office Building**, Northwest Corner Broad and Spruce streets, Philadelphia. Architect, Cass Gilbert, 244 Madison avenue, New York City. Owners, Atlantic Refining Co., care of

R. D. Leonard, 3144 Passyunk avenue. Steel, concrete, brick, terra cotta, stone, 20 stories, 80x120 feet, rolled steel sash, steam heating, electric lighting, elevators, tile, marble and terrazzo work. Plans in progress.

**Greenhouse and Service Building**, League Island, Philadelphia. Architect, King Const. Co., North Tonawanda, N. Y. Owners, United States Government, Navy Yard, League Island, Philadelphia. Concrete and frame, 1 story, 25x102 feet, service building 17x27 feet, shingle roof, concrete and pine floors, concrete foundations, steam heating, waterproofing, iron work. Owners have received bids.

**Residence**, Wayne avenue near Lincoln Drive, Germantown. Architect, C. A. Ziegler, 1218 Chestnut street, Philadelphia. Owner, Burton Etherington, 6425 Wayne avenue, Philadelphia. Stone, 2½ stories, 32x70 feet, mottled tile roof, oak floors, hot water heating, electric lighting, tile work. Architect taking bids due October 18th. A. L. Fretz & Son, Heed Building, are figuring.

**Residence**, G street, South Levick street, Philadelphia, \$4,500. Architect, private plans. Owner, L. Vark Miller, 234 North Somerset street, Philadelphia. Frame, 2 stories, 26x30 feet, slag roof, hot water heating. Owner will build.

**Residence and Store (alt. and add.)**, Northeast Corner Fifty-eighth and Florence avenue, \$2,500. Architect, private plans. Owners, Sidel & Feldman, on premises. Brick, 1 story add., 15x35 feet, slag roof, general alterations. Owners will build.

**Garage**, North side Rockland street, West of Sixth street, Philadelphia, \$90,000. Architect, private plans. Owner, Standard Garage Co., Seventh and Rockland streets, Philadelphia. Brick and concrete, 2 stories, 107x200 feet, slag roof, cement floors. Owner will build.

**Garage**, Northeast Corner Sixteenth and Hunting Park avenue, Philadelphia, \$3,000. Architect, private plans. Owner, J. Y. Loux, 3731 York road, Philadelphia. Brick, 1 story, 17x75 feet, cement floors, slag roof. Owner will build.

**Residence (add.)**, Sedgley and Camac streets, Philadelphia, \$4,000. Architect, private plans. Owner, A. Schwinn, on premises. Brick, 1 story add., 17x4 feet, general alterations. Owner will build.

**Tenement House (add. and alt.)**, 1330 North Fifteenth street, \$4,000. Architect, private plans. Owner, Walter Pincus, on premises. Brick, 1 story, 16x17 feet, general alterations. Owner will build.

**Dairy Building**, Lombard, between Second and Third streets, Philadelphia. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owners, Abbott Alderney Dairies, Thirty-first and Chestnut streets. Brick, steel and concrete, 3 stories, 104x121 feet, slag roof, cement floors, stone foundations,



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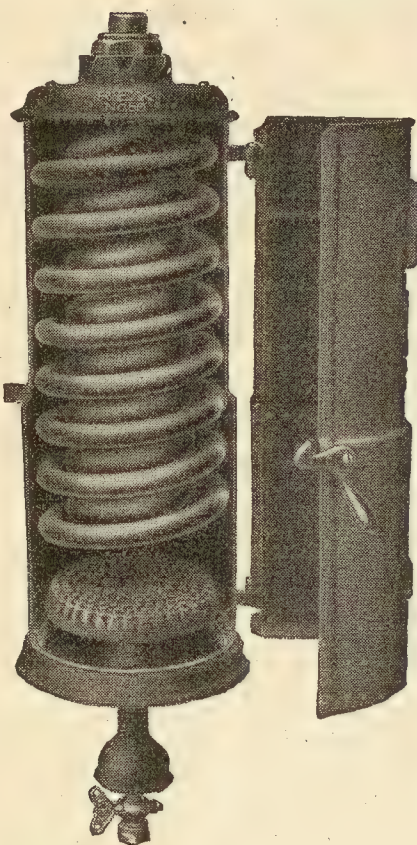
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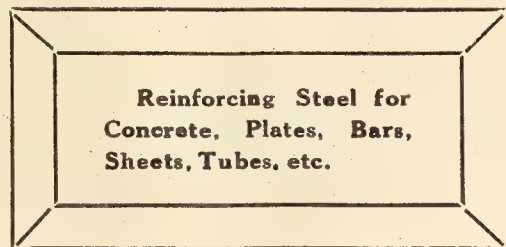
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steam heating, rolled steel sash and skylights, iron work, elevators (electric lighting reserved). Architect taking bids due October 17th. Cramp & Co., Denckla Building; Warren-Moore Co., Colonial Trust Building; Turner Const. Co., 1713 Sansom street; Barclay White Co., 1713 Sansom street; H. H. Wehmeyer, 509 West Cumberland street; Doyle & Co., 1519 Sansom street, and Robert E. Lamb Co., 843 North Nineteenth street, are figuring.

**Office Building**, southeast corner of Ninth and Chestnut streets, Philadelphia. Architect, Frederick Webber, Morris Building, Philadelphia. Owner's name withheld. Brick, steel, stone, terra cotta, concrete, 20 stories, 194x230 feet, rolled steel sash, elevators, tile, marble and terrazzo work, ornamental iron work. Plans in progress.

**Motion Picture House (alts.)**, Twenty-seventh and Girard avenue, Philadelphia. Architect, Le Roy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, Mrs. Rappaport, care of architect. Brick, 2 stories, stone foundations, tile work, metal lath, waterproofing, dampproofing, iron ladder, ornamental iron work, heating repairing, tile, cement and pine floors, hardware, plumbing, metal work, paint-

ing, plastering, carpentry, glazing. Architect taking bids, due October 17th. Hogg Const. Co., Denckla Building; Bender & Cope, 1817 South Fourth street; Lam Building Co., 1001 Wood street, and Louis Cohn, 417 Christian street, are figuring.

**Residences (2)**, Spring Road, west of York Road. Architect, C. A. Ziegler, Bailey Building, Philadelphia. Owner's name withheld. Stone, 2½ stories, 30x50 feet and 50x60 feet, slate roof, oak floors, stone foundations, hot water heating, electric lighting, tile and marble work. Plans in progress. Architect will be ready for bids in three weeks.

**Office Building (add.)**, Bridesburg, Philadelphia. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, H. A. Hittner's Sons Co., Bridesburg, Philadelphia. Frame, 2 story addition, 10x20 feet, slag roof, pine floors, iron work, stone foundations. Architects taking bids, due October 17th at noon. F. B. Davis, 240 North Sixteenth st.; Specht & Sperry, Heed Building; Harry Murphy, Willow Grove, Pa.; Standard Const. Co., 1713 Sansom street; Harry Drake, 3139 Frankford avenue, and Harry Brocklehurst, 512 West Norris street, are figuring.

**Contracts Awarded**

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Residence**, Crescentville, Fox Chase, Philadelphia. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, R. Pike, care of architect. Frame and stucco, 2½ stories, 25x32 feet, shingle roof, stone foundations, hot air heating, electric lighting. Contract awarded to Albert Benner, 1912 North Twenty-fourth street, Philadelphia.

**Store**, Southwest Corner Stenton and Sixty-fifth avenues, Philadelphia, \$3,500. Architect, private plans. Owner, Edw. L. Hogan, on premises. Brick, 1 story, 42x49x11¾ feet, slag roof, pine floors. Contract awarded to J. Henry Parker, 1641 North Nineteenth street, Philadelphia.

**Tank Support**, Southeast Corner Twelfth and Carpenter streets, Philadelphia, \$3,000. Architect, private plans. Owner, Williams Mfg. Co., on premises. Steel, 15,000 gallon capacity. Contract awarded to E. H. Keefer & Son, 1321 Rodman street, Philadelphia.

**Stores (3)**, 6101, 6103 and 6105-07-09 Woodland avenue, \$18,500. Architect private plans. Owner, Charles Krakovitz, 305 Tasker street, Philadelphia. Brick, 20x9 feet and 49x70 feet, slag roof, pine floors, electric lighting, hot water heating, tile work. Contract awarded to S. H. Levin, 1631 South Fifth street, Philadelphia.

**Residence and Store (alt. and add.)**, 1104 North Fortieth street, \$4,250. Architect, private plans. Owner, A. Lerman, 1010 North Fortieth street, Philadelphia. Brick, 2 stories, 16x14 feet, general alterations. Contract awarded to A. Kirkpiehukoft, 1110 North Forty-first street, Philadelphia.

**Residence**, Tacony, Philadelphia. Architect,

Edgar A. Wightman, 1213 Filbert street, Philadelphia. Owner, George Gebbart, Tacony, Philadelphia. Architect taking additional bids from Rush Bros., 1021 Fillmore street, and Cunningham & Bartholomew, 4326 Paul street, Philadelphia.

**Residences and Stores (3) (add. and alt.)**, 935-37-39 South Fourth street, Philadelphia, \$9,000. Architect, private plans. Owner, L. Montgomery, 2015 Land Title Building, Philadelphia. Brick, 3 story add., 13x25 feet, general alterations. Contract awarded to Frank V. Tilli, 1918 South Seventeenth street, Philadelphia.

**Motion Picture Theatre**, Germantown avenue and Hilton street, \$35,000. Architect, private plans. Owner, William C. Carman, 1220 Allegheny avenue, Philadelphia. Brick, reinforced concrete and steel, 1 story, 85x167 feet, reinforced concrete roof and floor, steam heating, electric lighting, tile work, fire doors. Contract awarded to Geo. T. Gravenstein, 3332 North Broad street, who is taking sub-bids.

**Residences (2)**, South side Levick street, East of Oakley street, \$15,000. Architect, private plans. Owner, William E. Crissy, 900 East Levick street, Philadelphia. Frame and brick, 2 stories, 16x43 feet, oak floors, slag roofing. Contract awarded to H. W. Myers, 5814 Hasbrook street, Philadelphia.

**Office**, Northwest Corner Mifflin street and Moyamensing avenue, \$6,000. Architect, private plans. Owner, William Reinhardt, on premises. Brick, 1 story, 26x76 feet, slag roof, electric light, pine floors. Contract awarded to L. Sosnow, 314 Mifflin street, Philadelphia.

**Residence (alts.)**, 1826 Spruce street, Phila-

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delphia, \$1,800. Architect, private plans. Owner, C. S. Adams, 1509 Arch street, Philadelphia. General alterations. Contract awarded to John A. Cadori, 1235 Arch street, Philadelphia.

**Residence and Store**, 1011 North Fortieth street, Philadelphia, \$1,800. Architect, private plans. Owner, Philip Green, 4010 Girard avenue, Philadelphia. Brick, 1 story, 16x7 feet, general alterations. Contract awarded to H. Slavitt, 4137 Westminster avenue.

**Garage (alts.)**, 911-13 North Broad street, Philadelphia, \$32,000. Architect, private plans. Owner, Louis J. Kolb, Tenth and Reed streets, Philadelphia. New front and general alterations. Contract awarded to Potts Bros. & Coopers, 129 North Eleventh street.

**Garage**, Northeast Corner Fifty-third and Gainor road, Philadelphia, \$5,500. Architect, private plans. Owner, David Weber, on premises. Stone, 1 story, 23x25 feet, slate roof, cement floors, electric light. Contract awarded to E. H. Kerfer & Son, 1321 Rodman street, Philadelphia.

**Shop (add.)**, Second street, South of Duncannon street, Philadelphia, \$5,000. Architect, private plans. Owners, Griffith Tool Co., on premises. Brick, 1 story, 50x54 feet, slag roof, electric light. Contract awarded to D. O'Dea, Second and Duncannon streets, Philadelphia.

**Boiler House**, Cornwall street, West of Emerald street, Philadelphia, \$6,750. Architect, private plans. Owners, Caladonia Dye Works, Emerald and Westmoreland streets. Brick, 1 story, 33x50 feet, slag roof. Contract awarded to Stewart Bros. Co., 2528 North Orkney street.

**Residences (2)**, 5018-20 Saul street, Philadelphia, \$12,500. Architect, private plans. Owner, Elizabeth Osborne, 5017 Duffield street, Philadelphia. Brick, 2 stories, 16 feet 4 inches x44 feet, hot air heat, electric light. Contract awarded to George R. Osborne & Son, 5017 Duffield street.

**Residence**, Northeast Corner F and Hofnagle streets, Philadelphia, \$4,300. Architect, private plans. Owner, C. E. Metzger, 705 Hofnagle street, Philadelphia. Frame, 1 story, 26x31½ feet, high pressure heat, electric light. Contract awarded to P. L. Kemper, 424 Widener Building, Philadelphia.

**Residence and Store (add. and alt.)**, 416 South Fifth street, Philadelphia, \$8,000. Architect, private plans. Owner, S. Keims, 418 South Fifth street, Philadelphia. Brick, 3 story rear add., 14x36 feet, 1 story side add. 4x36 feet. Contract awarded to Z. Heller, 315 Carpenter street, Philadelphia.

**Garage**, Eastwick avenue, East of Eighty-second street, Philadelphia, \$5,000. Architect, private plans. Owner, Island Road Bottling Co., on premises. Brick, 1 story, 18x50 feet, slag roof, cement floors. Contract awarded to Louis Sasinsky, Eighty-fourth and Gibson avenue, Philadelphia.

**Storage**, Cambria street, West of Belgrade street, Philadelphia, \$4,500. Architect, private plans. Owner, James Trimble, 2556 East Somerset street, Philadelphia. Brick, 1 story, 40x60 feet and 30x45 feet, slag roof. Contract awarded to Charles J. Spencer, 722 Beach street, Philadelphia.

**Apartment and Rooming House (alts.)**, 1905 Diamond street, \$4,400. Architect, private plans. Owner, J. A. Field, 1905 Diamond street, Philadelphia. General alterations. Contract awarded to Edw. B. McCall, 6311 North Broad street, Philadelphia.

**Residence**, Oxford Pike, South of Cottman street, Philadelphia, \$4,000. Architect, private plans. Owner, W. C. Sauer, 3312 Germantown avenue, Philadelphia. Brick, 2 stories, 28x40 feet, hot water heat, electric light. Contract awarded to Gottlob Urbele, 3622 North Marshall street.

**Residence (alt. and add.)**, 4610 Baltimore avenue, \$3,000. Architect, private plans. Owner, Frank P. Harvey, on premises. Brick, 1 story, 19x10 feet, general alterations. Contract awarded to John Howard Taylor, 4920 Warrington avenue.

**Dairy (add.)**, 1935 East Willard street, Philadelphia, \$1,250. Architect, private plans. Owner, Fred Fischer, 3319 Emerald street, Philadelphia. Brick, 1 story, 14x9 feet, slag roof, electric lighting. Contract awarded to John Mortimer, 3377 Emerald street, Philadelphia.

**Factory Building**, Tenth and Westmoreland streets, Philadelphia. Architect, Peter Kuhn, 3058 North Eighth street, Philadelphia. Owners, Miller, Robinson & Co., Roy and Westmoreland streets. Architect taking additional bids from Raith Cont. Co., 302 West Master street, and Thomas Reilly, 1616 Thompson street, Philadelphia.

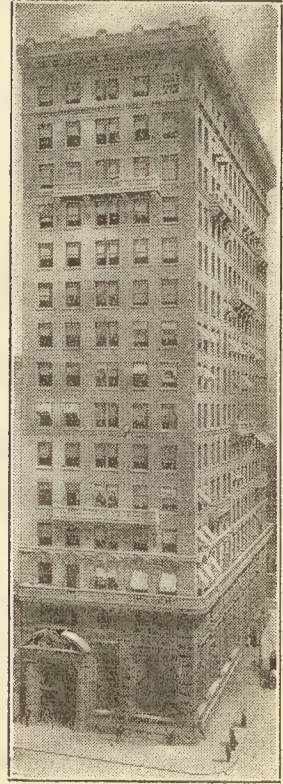
**Offices (alts. and add.)**, 132 Dock street, Philadelphia. Architect, J. Fletcher Street, 129 South Fifth street, Philadelphia. Owners, E. L. Armstrong & Co., on premises. General interior alterations. Contract awarded to S. B. Ceruti, 215 South Second street, Philadelphia.

**Residence (alts.)**, Southeast Corner Sixty-third and Media streets, \$1,600. Architect, private plans. Owner, Fred D. Stiteler, on premises. Porch enclosure, rear add. frame, interior alterations. Contract awarded to J. D. Fisher, 5424 Thompson street, Philadelphia.

**Residence (alts.)**, 1411 Erie avenue, Philadelphia. Architect, George S. Idell, 1705 Chestnut street, Philadelphia. Owner, Dr. M. F. Herman, 1411 Erie avenue, Philadelphia. Carpentry, millwork, plastering, painting, hardware, glazing, repairs to roof and floors, tile and marble work, iron work (plumbing, heating, electric lighting and composition floors reserved). Contract awarded to Thos. C. Trafford, 1613 Sansom street, Philadelphia.

**Building (alts.)**, 1420 Walnut street, Philadelphia. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owners, Howard Riley & Co., on premises. Carpentry, millwork, marble work, plastering, painting, glazing, hardware. Contract awarded to Jacob Myers & Sons Co., Witherspoon Building.

**Vernon Office Building**, Germantown and Cheltenham avenues, Philadelphia. Architect, private plans. Owner, Morton E. Hecht, 1504 North Seventeenth street, Philadelphia. In-



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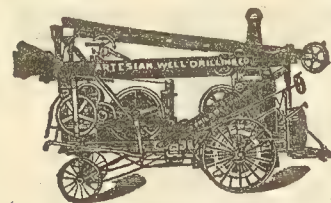
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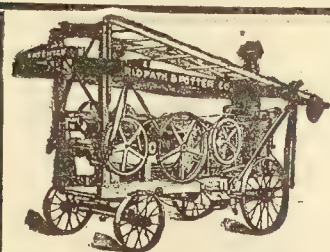
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terior alterations, 3 stories, 78x82 feet, slag roof, papering, painting, stairwork, plastering. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

## PENNSYLVANIA Construction News

**Residence, Ardmore, Pa.** Architect, George S. Idell, 1705 Chestnut street, Philadelphia. Owner, M. Wolf, care of architect. Hollow tile and stucco, 2 stories, 25x42 feet, shingle roof, pine and oak floors, stone foundations, hot water heating, electric lighting, hollow tile. Architect taking bids, due October 20th. J. E. Kearney, 34 South Seventeenth street; Hogg Const. Co., Denekla Building; Charles C. Pace, Merion, Pa., and W. D. Smedley, Narberth, Pa., are figuring.

**Mill (add.), Lehigh, Pa.** Architect, private plans. Owner, Howard A. Diefenderfer, Lehigh, Pa. Reinforced concrete and brick, 2 stories, 61x66 feet, slag roof. Owner has received bids.

**Residence, Ivyland, Pa.** Architect, Harry Parker, 129 South Fifth street, Philadelphia. Owner, John Ramsey, Ivyland, Pa. Stone and frame, 2½ stories, 32x40 feet, shingle roof, pine floors, electric lighting, stone foundations (heating undecided), plumbing, tile work. Architect will be ready for bids in two weeks.

**Store (alts. and add.), South Bethlehem, Pa.** Architect, John B. Wilt, 503 Avenue E, South Bethlehem, Pa. Owner, Adam Brinker, South Bethlehem, Pa. New front, add. 30x57 feet, brick work, tin roof, skylight, hot water heating, electric lighting, plumbing, stone foundations, cement and wood floors, iron work, structural steel. Plans in progress. Owner will take bids in about three weeks.

**Garage, Prospect avenue and Avenue D, South Bethlehem, Pa.** Architect, J. B. Wilt, 503 Avenue E, South Bethlehem, Pa. Owner, Charles Fylebock, on premises. Brick, 1 story, 19x60 feet, slate roof, concrete foundations and floor. Plans completed. Owner is taking bids.

**Assembly Room, Billiard Room, Solarium, Work Shop, Wash Rooms, Dressing Rooms, Toilets, etc., Eaglesville, Pa.** Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, Eaglesville Sanatorium for Consumptives, Jerome H. Louchheim, secretary of Building Committee, Franklin Bank Building, Philadelphia. Frame, 2½ stories, 68x80 feet, shingle roof, steam or hot water heating, electric lighting, stone foundations, tile work, maple and edge grain Georgia pine floors, plumbing, hollow metal skylights. Architect will be ready for bids in about one week.

**Residence (alt. and add.), State Road, Meadow Bank, near Conshohocken, Pa.** Architects, Baily & Bassett, 421 Chestnut street, Philadelphia. Owner, Clinton Gage, City Line, Oak Lane, Philadelphia. Stone, general alterations and addition, hot air heating, electric lighting. Architects taking bids due October 16th. John Heavener, West Conshohocken, Pa.; Edgar Woodward, West Conshohocken, Pa.; Oscar C. Freas, Conshohocken, Pa.; Milton W. Young, Overbrook, Pa.; J. D. Lingle, Wayne, Pa., and Gray Bros., Rosemont, Pa., are figuring.

**Residence, Penfield, Pa.** Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, Lawrence Dougherty, 4832 Walnut street, Philadelphia. Frame, 2½ stories, 26x40 feet, shingle roof, pine floors, concrete foundations (hot water heating, electric lighting and plumbing reserved), tile work. Architects will be ready for bids in a few days.

**Garage and Dance Hall, Bloomsburg, Pa.** Architect, William H. Lee, 32 South Seventeenth street, Philadelphia. Owners, House-nick Motor Co., Bloomsburg, Pa. Brick and concrete, 60x127 feet. Revised plans in progress.

**Hall, Easton, Pa., \$20,000.** Architect, E. H. Wenzelberger, Reeder Building, Easton, Pa. Owner, name withheld. Brick, 3 stories, 50x67 feet, concrete foundations, slag roof, composition and wood floors, steam heat, electric light. Plans in progress.

**Store, 240 Northampton street, Easton, Pa.** Architect, E. H. Wenzelberger, Reeder Building, Easton, Pa. Owner, Paris Bros., on premises. Brick, iron and steel, 2 stories, 25x74 feet, concrete foundations, slag roof, tile floors, electric light, marble work, rolled steel sash, metal ceilings. Architect taking bids due October 16th. Bechtel & Bechtel, Stewart Cont. Co. and W. Steinmetz, Easton, Pa., are figuring.

**Theatre, Sixth and Gordon streets, Allentown, Pa.** Architects, Rune & Lange, 12 North Sixth street, Allentown, Pa. Owner, Thomas Herity, on premises. Brick, 1 story, 40x120 feet, concrete foundations, slag roof, tile and concrete floors, electric light, roof ventilators. Architect has received bids.

**Bank Building, Corner Front and Locust streets, Steelton, Pa., \$100,000.** Architect, Herman M. Miller, Crozer Building, Philadelphia. Owner, Peoples National, care of W. H. Neel, Steelton, Pa. Granite, 1 story, 40x82 feet, slate roof, marble floors, hollow tile, metal lath, elevator, safety treads, roof ventilators,

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electric lighting, tile and marble work, bronze sash. Architect is taking sub-bids.

**High School**, Elkins Park, Pa. Architect, Herbert C. Wise, 925 Chestnut street, Philadelphia. Owner, School Board of Cheltenham Township, care of J. H. Ervien, Ogontz, Pa. Stone, 3 stories, 75x250 feet. Plans in progress.

**Residence and Garage**, Penfield, Delaware County, Pa. Architect, Lawrence Visseher Boyd, Harrison Building, Philadelphia. Owner, W. Lester Baner, Brookline, Pa. Frame, wide weatherboard, 2½ stories, 42½x25½ feet, garage, 1 story, frame, 22x22 feet, Johns-Manville colorblend asbestos shingle roof, stone foundations, hot air or pipeless heater, electric lighting, tile work (heating reserved). Architect will be ready for bids in a few days.

**Residence**, York road below Spring avenue, Elkins Park, Pa. Architects, Andrew J. Sauer & Co., Denckla Building, Philadelphia. Owner, Jacob L. Langsdorph, 1805 Spring Garden street, Philadelphia. Brick and stucco, 3 stories, 100x150 feet, slag and shingle roof, oak floors, metal lath, stone foundations, hot water heating, electric lighting, tile and marble work, iron work. Architects have received bids.

**Residence**, Llanerch, Pa. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, C. W. Haldeman, Malvern, Pa. Stone and hollow tile, 2½ stories, 30x38 feet, shingle roof, stone foundations. Plans in progress. Too early for details.

**Church**, Twenty-second and Edgemont streets, Chester, Pa., \$25,000. Architect, Herman Miller, Crozer Building, Philadelphia. Owner, Evangelical Lutheran Church of the Nativity, care of John Nesselthaler, president, Board of Trustees, 2500 Edgemont street,

Chester, Pa. Stone, 1 story, 40x80 feet. Owners are taking sub-bids.

**Road Work**, various locations, Pennsylvania. Owners, State of Pennsylvania, care of Lewis S. Sadler, State Highway Commissioner, Harrisburg, Pa. Owners taking bids due October 31st, 1919, on the following:

Beaver County, Route R-278, Greene Township, length 5,195 feet. One course reinforced concrete. Certified check \$1,000.

Beaver County, Route R-78, Rochester and Daugherty Townships, length 12,062 feet. One course reinforced concrete and Hillside vitrified brick. Certified check \$2,000.

Beaver County, Route R-76, Centre Township, length 5,200 feet. One course reinforced concrete and Hillside vitrified brick. Certified check \$1,000.

Bedford County, Route R-46, Appli. 573, Hopewell and West Providence Townships, length 55,572 feet. Either bituminous mac. penetration method on a Telford foundation or one course reinforced concrete. Certified check \$4,000.

Berks County, Appli. 1,049, Amith and Douglass Townships, length 27,633 feet. Bituminous mixture on a prepared broken stone base. Certified check \$2,000.

Bradford County, Route R-13, Wilmont and Terry Townships, length 26,215 feet. Either bituminous surface course on a concrete foundation or one course reinforced concrete. Certified check \$4,000.

Bradford County, Route R-15, Wysox and Rome Townships, length 19,215 feet. Either bituminous surface course on a concrete foundation or one course reinforced concrete. Certified check \$3,000.

Bradford County, Route 15, Towanda Borough, length 565 feet. Vitrified brick. Certified check \$500.

Bucks County, Route 150, Falls Township,

length 20,902 feet. Either bituminous surface course on a concrete foundation or one course reinforced concrete. Certified check \$4,000.

Clearfield County, Route 234, Decatur Township, length 11,222 feet. One course reinforced concrete. Certified check \$2,000.

Clearfield County, Route 234, Bigler Township, length 5,400 feet. One course reinforced concrete. Certified check \$1,500.

Clearfield County, Route 57, Wallacetown Borough and Boggs and Bradford Townships, length 39,911 feet. One course reinforced concrete. Certified check \$4,000.

Elk County, Route 97, Ridgway Borough, length 7,543 feet. One course reinforced concrete. Certified check \$1,500.

Erie County, Route 304, Northeast Township, length 7,900 feet. Either bituminous surface course on a concrete foundation and Hillside vitrified brick or one course reinforced concrete and Hillside vitrified brick. Certified check \$1,500.

Erie County, Route 396, Harbor Creek Township, length 11,207 feet. One course reinforced concrete. Certified check \$2,000.

Fayette County, Route 247, Perry and Jefferson Townships, length 14,496 feet. One course reinforced concrete and Hillside vitrified brick. Certified check \$2,000.

Fayette County, Route 247, Dunbar Township, length 5,950 feet. One course reinforced concrete and Hillside vitrified brick. Certified check \$1,000.

Fayette County, Route 366, Stewart Township, length 31,452 feet. One course reinforced concrete and Hillside vitrified brick. Certified check \$4,000.

Fayette County, Route 366, Connellsville and Bullskin Townships, length 15,186 feet. Vitrified brick. Certified check \$3,000.

Greene County, Route 256, Centre Township, length 12,581 feet. One course rein-

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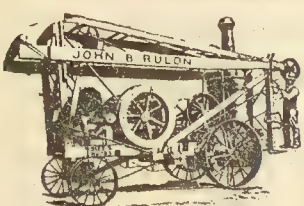
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Greene County, Route 111, Centre Township, length 10,620 feet. One course reinforced concrete. Certified check \$2,000.

Lackawanna County, Routet 365, Appli. 579, Clarks Summit Borough and Clarks Green Borough, length 5,708 feet. One course reinforced concrete. Certified check \$1,200.

McKean County, Route 97, Bradford Township and Lewis Run Borough, length 31,268 feet. Either one course reinforced concrete or monolithic vitrified brick. Certified check \$4,000.

Montgomery County, Routet 143, Bridgeport Borough, length 3,300 feet. One course reinforced concrete and Hillside vitrified brick. Certified check \$1,000.

Potter County, Appli. 640, Shinglehouse Borough, length 8,358 feet. Either bituminous surface course on a concrete foundation and vitrified brick or one course reinforced concrete and vitrified brick. Certified check \$1,500.

Tioga County, Route 103, Knoxville Borough, length 3,641 feet. Either bituminous surface course on a concrete foundation or one course reinforced concrete. Certified check \$1,000.

Venango County, Route 89, Plum Township, length 3,332 feet. One course reinforced concrete. Certified check \$1,000.

Westmoreland County, Route 188, Lower Burrell and Allegheny Townships and Arnold Borough, length 138,434 feet. One course reinforced concrete and Hillside vitrified brick. Certified check \$4,000.

Westmoreland County, Appli. 965, Derry Township, length 29,100 feet. One course reinforced concrete. Certified check \$3,500.

Westmoreland County, Route 68, Salam and Unity Townships, length 9,134 feet. One course reinforced concrete and Hillside vitrified brick. Certified check \$1,500.

Westmoreland County, Route 69, Hempfield, Salam and Washington Townships and Delmont Borough, length 57,688 feet. One course reinforced concrete and Hillside vitrified brick. Certified check \$4,000.

Westmoreland County, Route 68, Derry Township, 32,047 feet. One course reinforced concrete and Hillside vitrified brick. Certified check \$4,000.

Plans, \$2.50 per set at State Highway Department, Harrisburg.

**Residence (alts.),** Milton Pa. Architect, George S. Idell, 1705 Chestnut street, Philadelphia. Owner's name withheld. General alterations. Plans in progress.

**Residence,** Glenside, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Davis Page Smith, Glenside, Pa. Hollow tile, 2 stories, 23x42 feet, shingle roof, oak floors, stone foundations, vapor heating, electric lighting, tile work. Architects taking bids. Albert Zellfelder, 151 South Broad street, is figuring.

**Residence,** Lansdowne, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner's name withheld. Hollow tile and stucco, 2½ stories, 27x40 feet. Plans in progress.

**Residence (alts.),** Lansdowne, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner's name withheld. General alterations. Plans in progress.

**Residence and Garage,** Penfield, Delaware County, Pa. Architect, Lawrence Vissher Boyd, Harrison Building, Philadelphia. Owner, W. Lester Banes, Brookline, Pa. Frame, wide weatherboard, 2½ stories, 25½x42½ feet.

Garage, 1 story, frame, 22x22 feet, Johns-Manville asbestos shingle roof, stone foundations, hot air or pipeless heater, electric lighting, tile work (heating reserved). Architect taking bids, due October 18th. D. R. Evans, Beechwood Park, Delaware County, Pa.; J. E. Schenle, Brookline Building, Upper Darby, Pa.; Oscar E. Lobb, Llanerch, Pa.; Zimmerman Const. Co., Chester, Pa., E. T. Lever, 221 North Fifty-ninth street; Specht & Sperry, Heed Building, are figuring.

## Pennsylvania Contracts Awarded

**Residence,** Bangor, Pa. Architect, E. H. Wenzelberger, Reeder Building, Easton, Pa. Owner, Dr. Hockenberry, Bangor, Pa. Brick, 2 stories, 28x50 feet, stone foundations, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Contract awarded to Walter Eve, Pen Argyle, Pa.

**Silk Mill,** Bethlehem, Pa., \$200,000. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owners, J. A. & C. K. Eagle, Inc., Shamokin, Pa. Brick, steel and tile, 1 story, 30½x185 feet, concrete foundations, composition roof, maple floors, high pressure heat, electric light, fire doors. Contract awarded to F. B. Glassmire, Bethlehem Trust Building, Bethlehem, Pa.

**Bank (alts. and add.),** Glenside, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owners, Glenside National Bank, Glenside, Pa. Stone, 2 stories, 22x22 feet, slag roof, oak floors, stone foundations, electric lighting, iron work (heating and plumbing reserved), hardware, stairwork, carpentry and mill work. Contract awarded to Albert Zellfelder, 151 South Broad street.

**Road Work,** Maple and Springfield Townships, Delaware County, Pa. Route No. 225, length 26,713 feet. Reinforced concrete and Hillside vitrified brick or bituminous surface course on concrete foundation and Hillside vitrified brick. Contract awarded to Warren Bros. Co., Boston, Mass., \$226,897.32. (Note change in contractor and price.)

**Boiler House and Laundry,** Chester, Pa. Architects, Ballinger & Perrot, Seventeenth and Arch streets. Owners, Chester Hospital, Chester, Pa. Brick, 2 stories, slate roof, electric lighting, cement work. Contract awarded to William Ward Const. Co., Chester, Pa.

**Residence (alts.),** Elkins Park, Pa. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, W. Morris Steppacher, on premises. General alterations. Contract awarded to Frederick Schreiber, 1306 City Line, Oak Lane.

**Residence,** Wayne, Pa. Architect, George S. Idell, 1705 Chestnut street, Philadelphia. Owner, Richard C. Newbold, Wayne, Pa. Frame, 2½ stories, shingle roof, pine floors (hot air heating reserved), electric lighting, stone foundations. Contract awarded to J. D. Lengle, Wayne, Pa.

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## NEW JERSEY Construction News

**Bungalow**, Ventnor, N. J. Architects, Druckemiller & Williams, 1527 Chestnut st., Philadelphia. Owner, name withheld. Hollow tile and plaster, 1½ stories, 40x50 feet, asbestos shingle roof, hardwood floors, electric lighting, plumbing, concrete foundations. Architects taking bids due October 17th. Wilbert Beaumont, Harry Scull, Wesley B. Porch, and A. B. Bowen, all of Atlantic City, N. J., are figuring.

**School**, Phillipsburg, N. J. Architect, E. H. Wenzelberger, Reeder Building. Easton, Pa. Owner, Roman Catholic Church, care of Father Bascio, Phillipsburg, N. J. Brick, 2 stories and basement, 60x80 feet, stone foundations, slate roof, maple floors, steam heat, electric light, structural steel, school equipment. Plans in progress.

**Stores and Apartment House**, Northeast Corner Italian avenue and Boardwalk, Sea Isle City, N. J. Architect, Frank V. Nickels, 4400 Manayunk avenue. Owner, name withheld. Brick and frame, 4 stories, 110x155 feet, (3 stores) 64 suites, concrete swimming pool, slag roof, hardwood floors, timber piling and concrete foundations, hot water heating, electric lighting, tile work, flush bulks, waterproofing, hot showers. Plans in progress.

**Office Building**, 527 Market street, Camden, N. J. Architect, Thomas Stephen, 529 Market street, Camden, N. J. Owners, Smith Austermuhl, on premises. Brick, terra cotta and granite, 2 stories, 56x110 feet, slag roof, maple floors, stone foundations, electric lighting, tile and marble work, hollow metal skylights. Plans in progress.

**Church**, Woodbury Heights, N. J. Archi-

tecs, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owners, St. Peter's P. E. Church, care of E. W. Allen, treasurer, Woodbury Heights, N. J. Brick, 1 story, 25x76 feet, brick foundations, asbestos shingle roof, maple floors, electric lighting. Owners will take general bids.

**Garages (100)**, East Front street, Trenton, N. J. Architect, Wm. Klemann, First National Bank Building, Trenton, N. J. Owner, A. Klenkovostein, North Eighth street, Trenton, N. J. Brick, 1 story, irregular size, slag roof, cement floors, hot water heating, electric lighting, gasoline storage system. Architect taking bids, due as soon as possible. Ernest Klemann, 61 Sweets avenue; S. Wiley, 617 Monmouth street; I Harper Clayton, American Mechanics Building, all of Trenton, N. J., are figuring.

**Garage**, 29 Peridearis street, Trenton, N. J. Architect, Wm. Klemann, First National Bank Building, Trenton, N. J. Owner, Frederick Barlow, on premises. Frame, 1 story, 10x18 feet, concrete foundations, asbestos roof, cement floors, electric lighting. Architect taking bids, due as soon as possible. Ernest Klemann, 61 Sweets avenue; S. Wiley, 617 Monmouth street; I. Harper Clayton, American Mechanics Building, and Edward LaRue, 53 South Hermitage avenue, all of Trenton, N. J., are figuring.

**Club House**, Broadway and Roydon streets, Camden, N. J. Architect, W. W. Sharpley, 1713 Sansom street, Philadelphia. Owners, Ottawa Tribe of Red Men of New Jersey, Camden, N. J. Brick, steel and limestone, 3 stories, 40x145 feet. Plans in progress. Too early for details.

## NEW JERSEY Contracts Awarded

**Home (add.)**, Haddon and Spruce streets, Camden, N. J., \$8,000. Architect, private plans. Owners, Child's Home, on premises. Hollow tile and steel, 2 stories, 40x40 feet, Flint Kote roof, pine floors, electric lighting. Contract awarded to Mockett Const. Co., Camden, N. J.

**Residence**, Ventnor, N. J. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owner, W. J. Montgomery, Ventnor, N. J. Shingle, 2 stories, 52x60 feet, shingle roof, oak floors, vapor heating, electric lighting, tile work. Contract awarded to Charles D. Thompson, Pleasantville, N. J.

**Building**, No. 24, Camden, N. J., \$100,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Victor Talking Machine Co., Camden, N. J. Brick, 1 story, 54x478 feet, gypsum roof, concrete floors, stone foundations, rolled steel sash and skylights, iron work, waterproofing. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

**Bank (alts. and add.)**, Riverton, N. J. Architect, J. Fletcher Street, 129 South Fifth

street, Philadelphia. Owners, Cinnaminson National Bank, Riverton, N. J. General interior and exterior alterations, addition, 18x30 feet, electric lighting, tile and marble work. Contract awarded to George W. Shaner, Palmyra, N. J.

**Lean To**, Delaware avenue and Pearl streets, Camden, N. J., \$7,000. Architect, private plans. Owner, Concrete Steel Co., 42 Broadway, New York City. Timber, corrugated iron roof, 25 feet high, 26 feet wide, 144 feet long. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia, Pa.

You owe it to yourself to keep in touch with what is going on in the trade, and you can do this only by becoming a subscriber to and regular reader of your trade paper. If you are not a regular reader of the Builder's Guide you should be. The cost is not excessive. A five-spot insures it fifty-two times in the course of a year.

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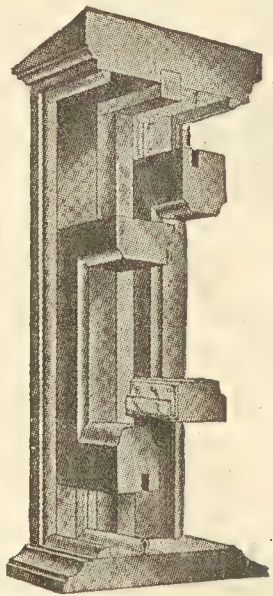
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**Miscellaneous  
Construction News**

**Factory**, Baltimore, Md., \$80,000. Architect, private plans. Owners, Black & Decker Co., Baltimore, Md. Brick, stucco and steel, 1 story, 90x200 feet, slag roof, concrete floors, stone foundations, rolled steel sash and skylights, iron work. Contract awarded to Austin Co., Bulletin Building, Philadelphia.

**Fairmont Building Project**, Fairmont, W. Va., \$1,250,000. Architects, Dreher, Churchman, Paul & Ford, 1424 Walnut street, Philadelphia. Owners, Pleasant Valley Homes Co. (75 Houses), Fairmont Mining Co. (25 Houses), Southside Lane Co. (12 Houses), Westend Co. 6 Houses), West Virginia Metal Products Corp. (Brass and Copper Rolling Mill, Casting Shop and Office Building, Monongohelia Valley Traction Co. (Trolley Station). Steel, stucco, frame, brick, 1 story, 280x360 feet. Cast Shop, 1 story, 81x280 feet; Office Building, 3 stories, 50x130 feet; Houses, various sizes, slate, slag, cement and tile roof, pine, oak and maple floors, stone foundations, hot air heating, electric lighting, tile and marble work, rolled steel sash and skylights, iron work, metal lath, roof ventilators. Contract awarded to Fred T. Ley Co., Inc., 19 West Forty-fourth street, New York City.

**Proposals**

## INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 3, 1919. Sealed proposals will be opened in this office at 3 P. M., October 17, 1919, for the extension and remodeling of the annex to the Butler Building, at Washington, D. C. Drawings and specifications may be obtained from the custodian at the Butler Building or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., September 29, 1919. Sealed proposals will be opened in this office at 3 P. M., October 28, 1919, for an additional 200 H. P. Water Tube Boiler at the Bureau of Engraving and Printing, Washington, D. C., in accordance with drawings and specifications, copies of which may be had at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

There is not a business one can think of, which is not full of little temples where one can curse or pray. Every business that one knows has its host of light in it, fighting against its host of darkness; one set of men conducting the business as if they and the public were engaged in a sort of mutual enthusiasm and daily service, with permanent success as the goal; and another set of men whose success is ruining the business to which they belong, and the public besides—and themselves.

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## AS THE EDITOR SEES IT

(Continued from Page 632)

cidents happen or why may they happen on this particular press? The answer will be that, for one reason or another, the operator finds it necessary or convenient to put his hand under the plunger—either regularly or occasionally. The way to make the operation safe, then, is to arrange it so that the operator need not and will not put his hand under the plunger. Sometimes this may be done by cutting away a portion of the dies, so that the operator can keep hold of a part of the piece being formed and still not be injured. Often it may be accomplished by introducing an automatic or a foot-operated kick out. This almost always increases production as well as safety. Sometimes it is found practicable and advantageous to interchange the upper and lower dies. Sometimes the method of operation may be altered; I have in mind one case where, in riveting the handle socket onto a kettle, the operator laid the rivets in position after the kettle was in the machine, and sometimes the plunger came down and caught her finger. After a good deal of study the superintendent arranged to have another girl place the rivets in position and hand the kettle to the operator, who then placed it in the press and completed the operation, obviously without danger and obviously with a great saving in time as well. In a great many cases, where the same operation is continued for a long time on one press, it will be found economical to provide some sort of automatic or semi-automatic feed; this also always increases production as well as removing the hazard. Gate guards and two-handed operations are sometimes necessary, but should be used only as a last resort. The methods above are more efficient because they go to the root of the matter and remove the hazard rather than merely guarding it. When you remove the hazard you simplify the operation, and therefore increase production. When you merely guard the hazard you may decrease production.

"What I have said of the punch press is typical of many machines. Safety engineering does not consist in simply building wire mesh guards, nor in buying safety devices which look pretty in a catalog, and putting them on the machine without regard to the wishes, the convenience, or the efficiency of the operator. The real safety engineer will, where necessary, study the operation of a machine until he understands it as well or better than the operator himself—as

well as the foreman, the superintendent, the master mechanic; and then he will apply their brains and his own in working out either a guard, or a change in the machine, or a change in the operation, which will remove the underlying hazard and make the operation intrinsically safe."

\* \* \* \*

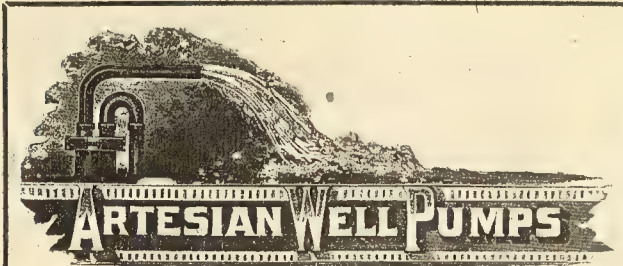
**A**PPLYING the safety principles to building construction, Mr. F. J. C. Dresser, the Austin Company, Cleveland, Ohio, representing Associated General Contractors of America, delivered a paper, "Co-operating on Safety."

"It is only in recent years," said Mr. Dresser, "that any discussion whatsoever has been had in reference to the hazards of building construction, and, aside from statistics issued by the several insurance companies, no organized effort has been made by the contractors generally to exchange ideas toward the elimination of accidents. However, the present day finds that several of our larger contracting organizations include a so-called Bureau of Safety, and their results have shown a remarkable reduction in the number of accidents, as well as an immense saving of lost time and money."

"In order to develop a proper safety campaign for the particular job in hand, an analysis is necessary, for the work itself is suggestive of the major portion, or rather kind of possible accidents you will be obliged to combat. I do not mean to say that you can immediately eliminate all accidents, but certainly a study of former accidents on a similar piece of work will help greatly in a reduction of accidents on future work. To just such work, namely, analysis and issuance of instructions, is a safety bureau dedicated."

"Of course, there are and always will be special pieces of work that must be accomplished which are different from any former, but I still maintain that the same fundamentals apply and that an analysis still can be made and preventive measures applied."

"To follow this discussion briefly, and to support the former statement that the work in hand will suggest possible accidents, it is evident that the sewer or grading contractor, for instance, can, by a series of test holes, determine the character of soil he is obliged to excavate, and plan his working methods accordingly. Such procedure will tell him quickly what he must provide in the way of equipment and protective measures, and has the further advantage of



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not catching him unawares as far as unforeseen ground conditions are concerned.

"The present day of multiple-story buildings, when radical changes in their construction methods are being employed, finds us facing the source of the greatest number of accidents, as is attested by the high insurance rates. Usually the public comes in for consideration, as far as safety methods are concerned, and, in fact, no other class of structure requires more consistent planning or forethought as regards accident prevention, unless it be in tunnel or subway work as installed in our larger cities. For this work it is plain that proper and substantial equipment must be provided, that possesses a good, safe factor; the sidewalks and streets must be covered; riding loads and in hoists must be forbidden; stairways and ladders must be liberally provided; mechanical safeguards installed; rapidly moving load lines and signal cords boxed or otherwise protected; safety belts and scaffolds provided; and even a man's clothing must receive attention, for many a man has lost a hand by reason of his wearing a gauntlet glove, and others have lost arms and life because of a loose sleeve or glove which dangled into revolving drums, or shafting, or which were caught by a broken strand in a cable.

"Heavy foundation work requires the same care in accident prevention study, both in bridge and in building work.

"Pile driving is another hazardous piece of work, where moving timbers and lines are responsible for many avoidable accidents.

"Wrecking and underpinning are other sources of accidents, and more numerous undoubtedly than should be because they do not receive the attention of an engineer as regards a plan, or, in other words, the average wrecking contractor does not have a staff or an engineer in his service to make calculations before doing work. As a result, defective material is often used and insufficient underpinning installed, causing accidents, of course.

"Heavy rock excavation requires care in handling dynamite, and precaution against flying rock and destruction of property.

"Industrial building work is the source of possibly the greatest variety of accidents, but usually not as disastrous to life and limb as the previously mentioned classes of work.

"An analytical study in the direction of safety, no matter what the class of

work, will certainly produce results if undertaken with the same spirit that a construction engineer plans his layout and schedule.

### EMPLOYEES.

"In a large measure the application of safety methods depends on the employee. The more intelligent, the less liable is he to accident. In this respect, the iron workers or steel erector is possibly the most versatile in that he thinks of the possibilities of things happening in connection with the work in hand, and is not so easily caught unawares. The brick mason and carpenter are usually on more substantial footing, and, inasmuch as their work is usually more regular, do not have occasion to give 'possible happenings' much thought. No other mechanic requires good judgment more than the hoisting engineer, especially be he engaged on multiple-story building work or heavy bridge construction. The common laborer, however, requires more watching than the trade mechanics, and in this respect much depends on the intelligence of the foreman who directs his movements. All workmen, however, can be schooled in safety methods, as has been demonstrated by leading contracting companies who have safety bureaus. For instance, Fred T. Ley and Company began this work in 1915, and their reduction in accident rate per 1,000 employees for 1916 was 25 per cent., and in 1917 was 55 per cent., which is indeed encouraging.

### CHARACTER OF ACCIDENTS.

"Our records, from a recent piece of construction, which involved steel erection, heavy concrete, brick work, and grading, also track work, show, from a total of 242 accidents, that: 73 employees sustained bruised fingers from handling material, 37 employees sustained punctured feet from nails, 11 employees sustained cuts on head from falling material, 7 employees sustained sprained ankles, slipping and misstepping, 7 employees sustained cuts on hands, and the balance were minor injuries. This work comprised the erection of a large engine terminal, and this record conforms in the average to the class of accidents which we must safeguard against in the course of our regular industrial building construction.

"I find in comparison with figures as derived by other concerns, that the accidents in the main are similar in character, but the percentages vary, due undoubtedly to the character of the work in hand.

"The greatest number of accidents,

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we find, come during the handling of material, and are confined to hand injuries; second in number come injuries to feet from protruding nails; third, employees falling, by reason of misstepping or stumbling over strewn material, causing sprained or broken ankles, broken arms or legs; fourth, falling material, causing cuts about the body and broken limbs. These are the four main causes as we find them, and it is natural, therefore, that preventive measures be provided in the order named.

"I believe it goes without question that a job properly planned, and scheduled whereby one phase of the work closely follows the other, where material is received and handled in the same order and where orderliness prevails throughout, is rewarded by the least number of accidents.

"Receiving and storing of material is a study in itself, for naturally the best position must be selected for hoists, and also for storage. One should be near the other to avoid rehandling and increased costs, and minimum handling also reduces the possibility of accidents, as is plain. But often they are far apart, causing long runways to be built and arranged, in and out, around or through a building, as the case may be, creating a state of disorder and interfering with the other divisions of the work. The ideal, of course, is one where, for instance, structural steel can be placed from car to position, eliminating rehandling in field; and on large operations where space is available, this can often be done with steel as well as other material, if hoists and material tracks or roads are given some attention as to layout and position before work is started in the field. The main object is to eliminate distance, for work is really distance versus resistance, as the definition goes, and the further application of all possible mechanical means to handle material from cars to wagons to position is another factor which results in a great reduction of accidents.

"Our second consideration being given to nails, we find that orderliness in handling of lumber containing protruding nails, eliminates foot punctures by the score. Plank or forms of this character should be stacked with nails down and not be allowed to be strewn all over the job. In order to reuse the plank or board, the carpenter must drive the nails back, and their removal as soon as the plank or brace is taken down is undoubtedly the best practice. As regards concrete form lumber that has been stripped, if it has no further use in the

building as fabricated, it should be stacked and nails removed by the cleaning gang, if there is one, as soon as possible to make it available for other use, for certainly the reuse of lumber these days is economy, and a carpenter usually will take a new piece rather than stop to remove nails. In a multiple-story concrete building, forms are usually stripped and immediately placed in position for the next floor, and the same applies to braces, so that the immediate removal or driving back of nails is necessary and foot punctures are made less possible than on the ordinary timber or house job. Elimination of strewn lumber will reduce nail accidents, and its reclamation should be taken in hand at once in order to make it fit for reuse, which in itself will cause a saving in the final lumber bill.

"To avoid employees falling, railings should be erected on staging and scaffolds; runways of sufficient width provided; and material generally should not be strewn promiscuously about the job. Openings should be covered or railed and good stable ladders built. Climbing up or down hoist towers should be forbidden, and all moving lines boxed so as to avoid tripping. Working aisles should be kept clear of waste and surplus material.

"To avoid falling material, storage of the same should be confined to the interior aisles, and scaffolds provided with a sideboard to prevent brick especially from going over the edge.

"In discharging debris, closed-in chutes should be installed, wheeling runways to be of sufficient width and overloading of wheelbarrows forbidden, especially when brick are being moved.

"Naturally, the safety movement must begin with the management itself, and if contractors generally will review the results obtained by those contractors who maintain Safety Bureaus, they will readily see that it is a paying branch of the organization. The gratifying results obtained by Fred T. Ley and Company, of which Mr. L. D. Woedtke is Director of Safety, have already been mentioned. Inasmuch as the work covers a period of only three years, they are indicative of the immense amount of good work that can be done in accident prevention in general contracting, as propaganda of this kind is really in its infancy in this field.

"The next step for an organization to undertake is the addition of a Safety Bureau, under whose direction the work is carried on. The first consideration must be given to the field organization

itself, meaning the engineers, superintendents, and, in fact, the entire rank and file, for co-operation must exist, and foremen generally must see that the safety rules are observed.

"As a further matter of co-operation, the construction department should turn over to the safety man a complete schedule of the job in hand, showing the progress expected, this being the first step. Second, a set of safety rules should be issued applying to the work or particular job in hand, which are set up after due analysis of the conditions which are to be met. The third is, of course, the enforcement and application of these safety rules.

"First of all, any job employing 125 men or more, dependent, of course, on character of the work and location, should have a first aid attendant and small field hospital. We find it pays decidedly by eliminating lost time.

"Second, the job organization should appreciate thoroughly the meaning of this safety work and they will in the end discover that lower unit costs will result from the observance of the safety rules.

"To educate the workmen themselves can be done in different ways, and, first of all, I believe, he should be taught to observe safety rules provided as a precaution against the first or possibly the second classifications, which are most liable to happen. His education in this respect should be gradual or progressive as the work goes on, and his foreman, of course, should see that the rules are observed.

"Descriptive photographs are an immense help in avoiding accidents and educational work, and should be in keeping with the class of work in hand.

"Periodical bulletins help greatly, as do also signs, which should be of such size and meaning as can be understood by all. A sign that can be read only a few feet distant is not of much use; it should be readable at a considerable distance—the farther the better.

"Another idea is to have progressive signs, or those which move forward with the work, cautioning what in particular may result from the work in hand at that time. These signs should be right on the job and not posted on the office door, which may be a mile away from the job.

"These are, of course, just the means by which the idea can be conveyed, and various methods can be adopted as results may suggest; the same to be chosen by the Safety Director himself. In addition, safety meetings should be held on



the job by the foremen and a plan of action or procedure decided upon before particular pieces of work are undertaken, also work covered should be reviewed, ideas exchanged, and the work encouraged in every way. In this way, the best methods can be secured.

"Needless to say, the equipment for the particular job in hand should receive the same careful attention, first to be assured that it possesses the necessary safety factors to handle the work generally, and that it is in good repair at all times, and receives the necessary periodical inspection while on the work as well.

"On all our work, for instance, we carry boiler insurance; the boilers receive periodical inspection by the insurance company, and, of course, must conform to the State laws.

"Around the plant generally, guards should be built which will eliminate the possibility of employees coming in contact with the moving parts and lines, and the same consideration must be given to hoists and hoist lines. To operate plants efficiently requires good mechanics, and a contractor, who maintains a staff of experienced operators in connection with his organization has done much toward the application of safe methods, for the accident, as a rule, happens to the green man, no matter whether he be mechanic, laborer, or machine operator, and it is necessary to observe such men very carefully, until such time as some experience has been gained.

"Safety rules further will establish under what conditions a machine is to be operated and how, and will also establish signal codes to be observed, for

very often the operator cannot see the other end of the line or the top of the hoist, as the case may be.

"At any rate, common sense application tells us that above all else you must have experienced machine operators, and none other should be permitted to be employed, yet many times you will find some man out of the gang running a machine, the principles of which are entirely foreign to his understanding.

"The whole work; however, as regards both employees and equipment is to be reviewed and inspected by the Safety Engineer, who will suggest precautions and safety rules that are to go hand in hand with the working methods decided upon for the handling of the job. This is further beneficial inasmuch as a man from general headquarters sees many things that a man on the job does not deem important.

"Generally speaking, this subject is one that is becoming more important each year, and the increasing obligation to co-operate with safety is plain, considering the fact that in 1917, in our United States, 300,000 men were disabled and 3,000,000 minor accidents occurred in our industrial army.

"It means work and a general adoption of the policy of accident prevention wherever man is employed in industrial work.

"To this end, it is gratifying that the contractors generally are becoming more interested, for certainly it is a work that is worthy of the fullest recognition, and we hope to record with the National Safety Council next year a remarkable improvement in our work."

the utterances of a few of their more radical spokesmen, it has come as a surprise to learn that the failure of the Bolshevik to gain a foothold here has been due largely to the American workingman himself, who heard the Bolsheviks' arguments only to laugh them aside.

The average laborer in this country, even the unskilled laborer, is not an ignorant person. He knows that he is prosperous, and that he will continue to be prosperous if he continues to watch out for his own welfare as assiduously as he has done in the past and does not become too unreasonable in his demands; he knows that, as soon as the cost of living advances his wages will advance, and that, whatever the conditions of life may be for others, he will always be able to earn a living wage. Knowing that his trades unions and his special representatives in Congress and elsewhere are capable of looking out for his welfare in the future as in the past, the American workingman is well satisfied to rely upon the machinery he has at hand without experimenting with the strange contrivances of a disturbed Europe.

Leaders of industry who are disturbed by the high labor cost of their products and who are hoping to see the cost of labor decline in the near future are due to be disappointed, for the relative cost of labor will remain the same a year from today and the likelihood is that the actual cost will be higher rather than lower. Those industrial leaders who, in addition to hoping for such a decline in the wage scale, are intentionally or unintentionally helping to bring it about by deferring necessary business activities such as building operations are, as a matter of fact, unwittingly helping, instead of checking, a tendency which would give the Bolshevik the opportunity he seeks in America—they are threatening the sources of that prosperity which is today making the American workingman one of the strongest bulwarks against the Bolshevik and are undermining the workingman's confidence in the good sense and far-sightedness of his employer.

The danger that such a situation as this may be created is not, however, an imminent danger, because the industrial leaders who take this short-sighted view are growing fewer every day. The number of contracts for new construction operations that have been let in the past few months and are due to be let in the next few weeks show that many business men are awake to the need of going full speed ahead instead of waiting for cost declines that will not come. The slower investors will be forced to trail behind their more progressive leaders and in the end will pay as high, or perhaps higher, for their postponed work, in addition to losing time and profit that a

## LABOR AND PRODUCTION

By NOBLE FOSTER HOGGSON, President,  
Hoggson Brothers, Builders.

The chief reason Bolshevism has failed and will continue to fail to make any headway in this country is that the American workingman, in spite of the high cost of living and other troubles, real or imagined, is the most prosperous laborer in the world. In fact, he is the representative of the most prosperous class in this country if his prosperity be estimated on a scientific basis of comparative values rather than money values, for he has made greater strides toward equalizing income and outgo than any other person in the social scale, and he alone has been able to demand and get an increase in income as soon as living costs have risen. Business men who would postpone the resumption of industrial activities at full pressure while wait-

ing for the wage level and other cost levels to fall, hoping by such action to force a decline in the cost of labor, are unknowingly attempting to blast holes in the dykes that are protecting our nation from all the horrors of blood-soaked Russia.

The newspapers have told us of the concerted efforts that have been made for a year or more to introduce Bolshevik doctrines and Bolshevik methods of misgovernment in this country; but the same men who were terrified six months ago by the outlook for the immediate future are agreed today that the radical doctrines of Russian extremists cannot be transplanted successfully to American soil. To some persons who know the workingmen of this country only through



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little foresight would have saved them.

A lesson learned from the war itself points the way out of the maze of uncertainty and unrest which has followed the sudden transition from war to peace. The employer, the merchant, the industrial producer, all are confident of the future, yet few dare start ahead with firm tread. The reason for the uncertainty is lack of confidence. The broad confidence which every man had in his neighbor while the war was on dwindled to a pin-point when the war emergency disappeared.

Yet here lies the opportunity for making the industrial life of the nation a better and more stable element in its welfare. If each class that is engaged in the task of restoring the country's prosperity would help revive the spirit of trust, confidence and co-operation manifested during the war, believing that their better natures should stand revealed in peace times as well as during the stress of war, a happy start would be gained toward the reconstruction of America into a better, happier, more prosperous place in which to live. The trend toward such a movement for the substitution of co-operation for competition has already shown itself, and it promises to bring business and industrial relations to a higher level than has ever been reached before.

Without close co-operation the war would never have been won, and without continued co-operation along both ideal and practical planes it will never be possible for this country to meet successfully the vital issues created by the complex reconstruction problems of the day and the sudden change from abnormal war conditions to subnormal peace conditions. But no amount of co-operation will be of much avail if it consists merely of a passive laying aside of jealousies and antagonisms. The immediate, urgent need is for production—active production on a scale such as America has never seen.

\* \* \*

#### PROFIT SHARING.

1. Profit sharing is by no means a panacea for industrial troubles.
2. Profit sharing must not be considered as taking the place of a fair basic wage.
3. Profit sharing has not generally been demanded by labor.
4. Profit sharing plans have been most successful when applied only to executives, from the rank of foreman up—for the following reasons:

(a) The individual workman does not exercise a direct influence on profits, although he may do so on production; the foreman and superinten-

dents, and especially the higher executives, can influence profits materially.

(b) The efficiency of the worker can be better rewarded through some form of piece-work, premium, or bonus. The efficiency of the higher executives, on the other hand, cannot be measured except in terms of the profits of the company.

(c) Profits depend very largely on business chances, which may overbalance any rise or fall in the efficiency of the working force. The executives recognize this and will not be dissatisfied if, in a poor business year, they find there are no profits to be shared. The workman, on the other hand, does not realize this; if he receives a generous share of profits one year, and the next year his share is smaller, he is apt to think the management is holding something back on him.

6. Some authorities state that for the purpose of stabilizing the working force, and making the workman feel that he is a partner in the business, a plan for giving workmen an opportunity to purchase stock is better than a profit sharing plan.

(From an address by Prof. Ralph E. Heilman, Dean, School of Commerce, Northwestern University, Chicago, at Convention of National Association of Employment Managers, Cleveland, 1919.)

\* \* \*

#### ADJUST PRICE TO WAGE SCALE

*Changing Labor Rates Suggest Need for Adjustment of Contract Price.*

The present unstable condition of the labor market means that unusual hazards must be met in bidding on new work. In an effort to reduce this element of chance, the Northwestern Association of General Contractors has made the very interesting suggestion that all contractors, where legal limitations will permit, base their prices on a sliding scale for labor, and embody in their bids on lump sum work a paragraph similar to that given below.

#### PROTECTS OWNER AS WELL AS CONTRACTOR.

The Northwestern Association feels that such a provision inserted in contracts should meet with the approval of architects, engineers, and owners as well as of contractors. It is eminently fair, and protects the owner in case of any decline in wages. Further, it eliminates the necessity of the contractor's protecting himself against possible advances in wages by bidding high, and therefore should result in lowering the cost of the work to the owner since the actual increases, if any, would seldom equal those for which allowance properly should be made if the contractor must bear the

burden without additional compensation. ADJUSTMENT TO BE BASED OF AVERAGE

#### WAGE.

"This price is based on an average rate of wages of—cents per hour, the average rate per hour to be the rate obtained by dividing the total monthly payroll of all men engaged upon the work by the total number of hours shown on such roll. Monthly adjustments, based upon the average rate per hour, are to be made in the following manner:

"The Contractor will present to the Owner a statement showing the total amount of his payroll for any calendar month, together with the total number of hours on this roll, and the average rate per hour. When this average rate exceeds—cents per hour, the Contractor is to receive from the Owner the difference between the actual average rate paid, and —cents per hour, multiplied by the number of hours shown on the payroll. When the actual rate paid is less than —cents per hour, the Contractor is to have deducted from his monthly estimate an amount equal to the difference between the actual average rate per hour and —cents, multiplied by the number of hours shown on the payroll." —Associated General Contractors of America—Members' News Letter.

\* \* \*

A prominent Safety Engineer was recently taken on a tour of inspection through one of the large automobile plants where the industrial railroad crosses several of the city streets. He noticed that one of the old veterans of the plant was employed to guard one of these crossings and when the electric bell rang, indicating the approach of a train, the guard quickly hobbled out to the center of the street and, cocking his head on one side, said in a low, feeble voice, "Look out for the cars."

This engineer later remarked that here, as in many other places where he had been, it was a question whether one whole man could be made out of all the watchmen in the plant.

If we are to save lives and limbs, if we are really to prevent accidents, our warning signs should be plain and effective; the gongs, whistles, and bells should be clear and distinct and our watchmen should be active, alert, honest-to-goodness men. A watchman's job is most important and we need not apologize for it. Would it not be a good idea to check up on our warning signs, signals and watchmen?

The "Builders' Guide" is in its thirty-third year of continuous publication.



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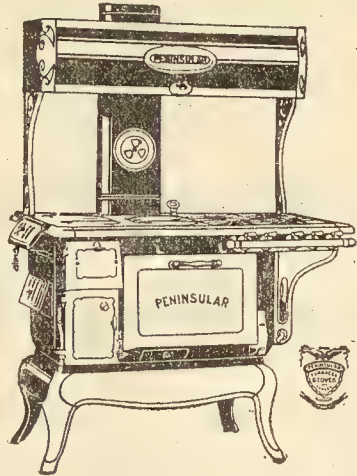
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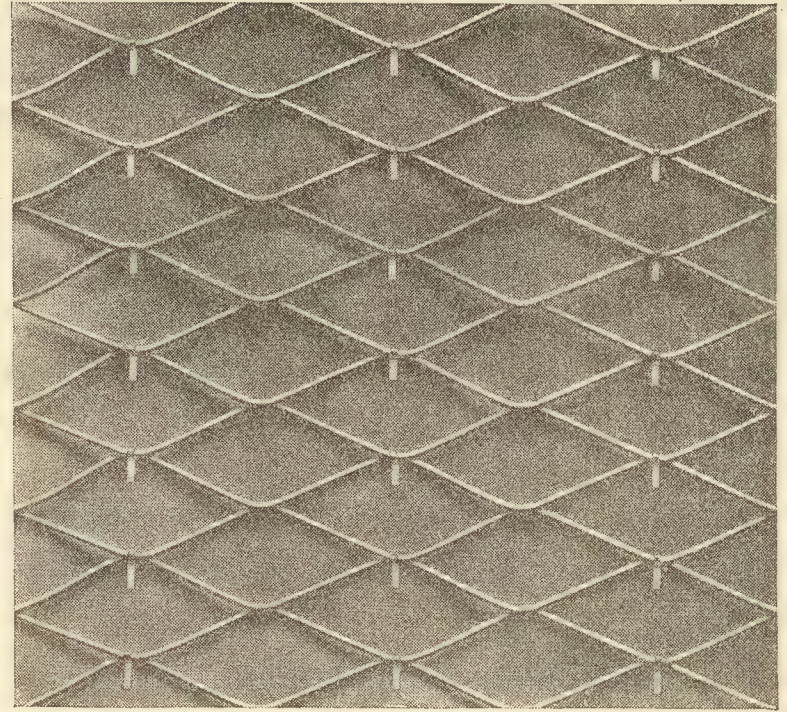
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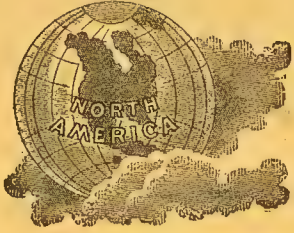
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### ASSETS

|                                      |                 |
|--------------------------------------|-----------------|
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| Cash in Banks.....                   | 2,395,335.33    |
| Premiums in course of transmission.. | 3,203,681.96    |
| All other Assets.....                | 921,650.92      |

Total ..... \$30,801,413.40

### LIABILITIES

|                                |                 |
|--------------------------------|-----------------|
| Capital .....                  | \$ 4,000,000.00 |
| Reserve for Reinsurance.....   | 12,217,808.92   |
| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

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Surplus to Policyholders..... \$ 12,922,516.93  
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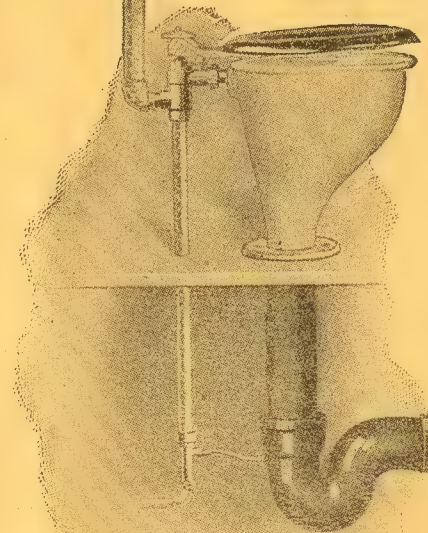
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PHILADELPHIA



# Builders' Guide

ENTERED AT THE PHILADELPHIA POST-OFFICE AS SECOND-CLASS MATTER

Vol. XXXIV., No. 43  
October 22, 1919

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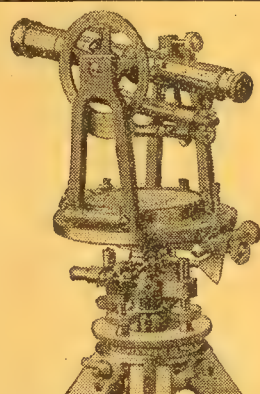
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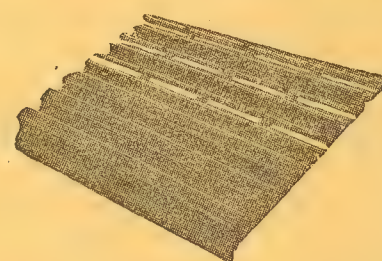
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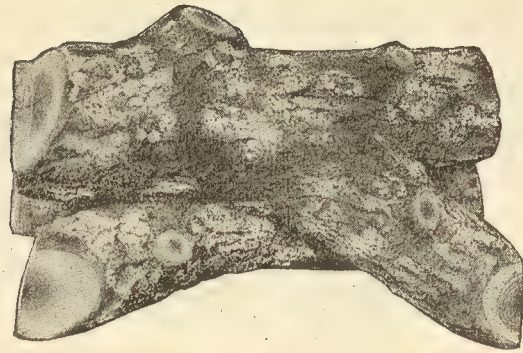
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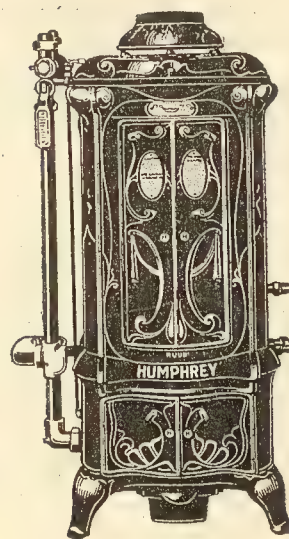
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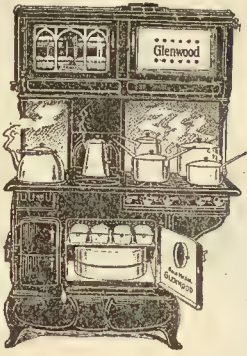
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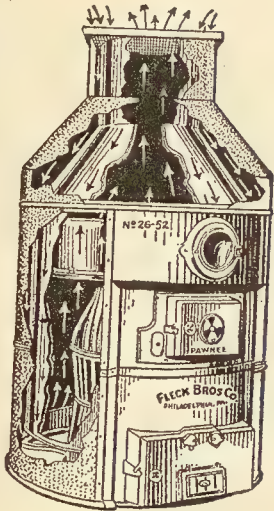


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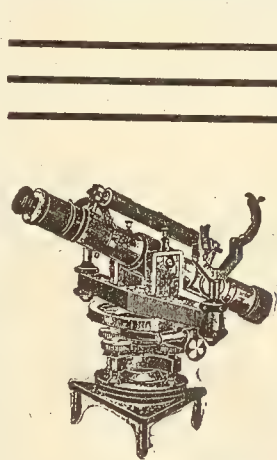
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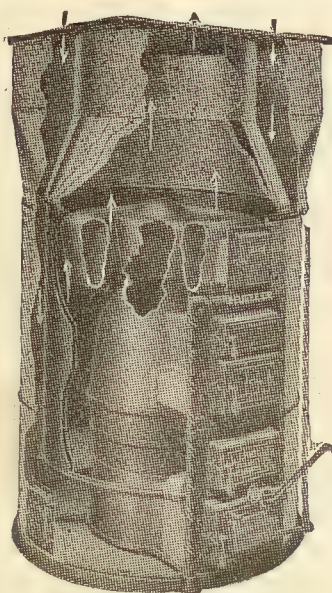
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

PHILADELPHIA  
October 22, 1919

## BUILDERS' GUIDE

OFFICES, PERRY BUILDING (Suite 824-825-826)  
Sixteenth and Chestnut Sts., Philadelphia, Pa.

PUBLISHED WEEKLY  
BY

Building News Publishing Company, Inc.

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## As The Editor Sees It



**G**REAT interest has centered in the Fire Prevention Day observance held recently throughout the country. Certainly any movement directed toward conserving the resources of the country and the lessening of loss of life is worthy of universal support. Mr. F. W. Fitzpatrick, father of the Fire Prevention Movement in this country, and former executive officer of the International Society of Building Inspectors said recently:

"Our building-departments exercise control over new construction. They say what we can and cannot do, though we have to make those rules and regulations less drastic than they should be for the dear public will take its civic medicine only in homeopathic doses. We label our automobiles for safety-sake, the Health Department labels our homes for 'scarlet-fever,' 'diphtheria,' etc., when occasion demands, all for safety-sake. So should we label our buildings. The Building Department should have that function to perform. Every building housing twenty or more people, all public and semi-public structures, should be rigidly inspected, and then the official label affixed in a prominent place, the main doorway preferably. Labelled 'Fire Resisting,' 'Ordinary Construction' and 'Dangerous.'"

"Today we see old traps of hotels with signs a story high proclaiming them 'Absolutely Fire-proof'; the effrontery of decrepit-building owners is amazing. All

that would be stopped and Mr. Owner of a highly inflammable building would have 'Dangerous' officially and conspicuously affixed to his door. How long could he beguile people into renting or occupying that building? What a scramble there would be to make the old traps less 'Dangerous' or tear them down and build real buildings! Such a rule would make for the honesty of its own enforcement too, for what Building Commissioner or Inspector would take chances in favoring a friend by wrongly labeling a building? He wouldn't last long if one of his 'Fire-Resisting' buildings burned. It's the most drastic but most effective improvement yet planned for our Fire Prevention Movement."

That results are being accomplished is demonstrated by a marked decrease in the total fire losses in the United States and Canada as shown by the following table, giving the total losses to property by fire during the months of June, July, August and September, 1919. As is usual, more than half the total loss has occurred in congested and mercantile districts which are largely left during the night without sufficient watchman or fire alarm service. As will be noted, dwellings comprise surprisingly small percentage, especially in view of the fact that we are frequently confronted with forceful statements by insurance men that wooden dwellings and shingle roofs are the greatest menace to life and property.

|                       |       |              |
|-----------------------|-------|--------------|
| Warehouses and        |       |              |
| Factories .....       | 41.6% | \$29,707,000 |
| Business Section ..   | 12    | 8,972,000    |
| Oil Refineries, Mills |       |              |
| and Tanks .....       | 10.3  | 7,275,000    |
| Tornado .....         | 8.6   | 6,000,000    |
| Saw Mills, Yards      |       |              |
| and Millwork ..       | 7.2   | 5,135,000    |
| Grain Elevators and   |       |              |
| Crops .....           | 3.5   | 2,786,000    |
| Dwellings .....       | 3.5   | 2,776,000    |
| Wharves, Coal         |       |              |
| Sheds, Bridges        |       |              |
| and Boats .....       | 3.4   | 2,665,000    |
| Hotels .....          | 3.2   | 2,165,000    |
| Stable and Barns ..   | 1.8   | 1,227,000    |
| Garages .....         | 1.6   | 922,000      |
| Theaters, Schools     |       |              |
| and Churches ...      | 1.4   | 662,000      |
| Timberland and        |       |              |
| Forests .....         | .8    | 530,000      |
| Government Prop-      |       |              |
| erty .....            | .1    | 75,000       |

TOTAL 100. % \$70,918,000

What we most need, according to the Architectural and Building Code Service of the National Lumber Manufacturers Association, are intelligent men at the head of municipal fire prevention bureaus with broad enough vision to see the necessity for proper building ordinances regulating construction and fire prevention in our congested business districts, where more than half of our annual fire loss occurs.

The insurance men, keen to ride the

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BELL PHONE, WALNUT 1086

Philadelphia  
KEYSTONE PHONE, RACE 614

**BLUE  
PRINTS**



"combustible roof" and not the "defective flue"—the real cause of 75 per cent. of roof fires, are still harping on the huge loss by conflagration in 1916, but do not state that conflagrations in 1918 and 1919 were practically nil. Quite as many conflagrations have burned "fire-proof" cities as any other type of construction—what is needed is an intensive campaign against the "defective flue" and the careless individual. If laws are made to punish those responsible for *starting* fires, the *spread* of fire will be a negligible item.

With the opening of school this fall the shortage of school buildings is everywhere emphasized, for comparatively few of the several hundred thousand new school houses which the Department of Labor announced in the spring as necessary, have been built.

The one-story school house, no matter of what material built, has disposed forever of life peril, with reference to the terrible menace of fire; and when built of wood, it cannot be excelled for beauty, low cost and elasticity.

This type of school house has many advantages over other kinds aside from the greatest one of freedom from fire peril. There are no stairs to climb, no room wasted in halls and stairs, no sweeping of dust from one floor to another, no overhead noise; quicker exits and better light and ventilation are obtainable. What is true in general of any one-story school house is truer of wood construction in that when changes or additions are desirable, they can be easily made without destroying the artistic effect of the structure.

The bulk of American schools are of wood construction and undoubtedly will continue to be of such, 6000 small schools in the state of Nebraska alone in 1917 giving some idea of the tremendous volume of rural school building in America. An idea which is widely applied in a standard type of industrial building deserves consideration for one-story school buildings. This is the slow burning or mill construction floor design, in which the interior frame and floors are of timber arranged in heavy solid masses and smooth flat surfaces so as to expose the least number of corners, and to avoid concealed spaces which may not be readily reached in case of fire. This type of construction will not only mean freedom from life peril, which the one-story structure insures by its very nature, but it will reduce property damage to a minimum while at the same time providing a substantial structure at a low cost, with beauty and adaptability to change or addition. If such a building is partially destroyed, there is much material salvaged, far more than from crumbling brick or pulverized concrete.

It is safe to predict that the one-story school is the school of the future and that the several-storied fire traps of the past are disappearing.

\* \* \*

Governor Sproul named Pennsylvania's first art commission, with Clarence C. Zantzinger, architect, Philadelphia, as president; Harvey M. Watts, Philadelphia, secretary; John A. Dempwolf, architect, York; Nicola D'Ascenzo, Philadelphia; Benno Janssen, Pittsburgh.

The commission was named pursuant to an act of 1919, which provides that all state, municipal and other memorials, monuments and markers must be approved by the commission before they may be accepted.

Architects appointed to serve on the State Board of Examiners of architects are: Edward Stotz, Pittsburgh; Clarence Wilson Brazer, Chester; M. I. Kast, Harrisburg; John Hall Rankin, Philadelphia; Edward H. Davis, Scranton.

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### HOW COSTS ARE KEPT UNDER THE COST-PLUS-FIXED-FEE CONTRACT

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By F. A. WELLS, Vice President and Treasurer  
Wells Brothers Construction Co., Chicago

No contractor who values his capital can afford to do without adequate cost records, both as a check on the job in progress and as a basis for future estimating. Yet the simpler that system of accounting, the better, and any refinements further than those necessary to give the actual required data are a waste of time and money. Some contractors keep their books under their hats or in their left-hand pocket of their coats, where all invoices go preparatory to paying. At the opposite extreme are firms who maintain a complicated system of accounts, both at the job and at the home office. Accounting methods sufficient for the lump-sum contract may be insufficient for the cost-plus-fixed-fee contract, under which the owner and architect must have access to the accounts at all times.

We have found the following system to be adequate for cost-plus jobs and with only a few changes this is the system put into effect on such typical work as the four warehouses we have built for Montgomery Ward & Co., at Chicago and Kansas City, the Butler Brothers' Chicago Mail Order Warehouse, Rand McNally's & Company's Chicago Publishing House and other similar work in this country and Canada.

Occasionally we have found an owner who prefers to be given such data as will permit his own accountants to keep a complete system of books. Generally, however, our accounts, kept on the job and open at all times for inspection, are considered sufficient, in view of the detail statements we render to the owner every two weeks—bearing the approval of the owner's representative, who is designated for that purpose. We urge owners to have their auditors frequently

make examinations of accounts for their own satisfaction.

The system we are now using is briefly the keeping of a—

1. Cashbook, Voucher Record, and Ledger, combined.
2. Invoice and Payroll Register, combined.
3. Detail Cost Record.
4. Accounts Payable Record (Vendors accounts).

1. The *Cashbook, Voucher Record and Ledger* is used for the recording of all cash received, cash disbursed by vouchers and all journal entries.

2. The *Invoice and Payroll Register* is used for the recording of all invoices and payrolls. The invoices and payrolls are numbered consecutively. The Register has columns for date, invoice number, Vendor's name, total amounts, both Debit and Credit and individual columns for the 20 main accounts used in distribution of costs. The Register represents an absolute detail control of all approved charges to the job as only audited and approved items are given a register number or entered. The payrolls are given register numbers and approved the same as invoices. The office copies of all invoices are filed in numerical order in an ordinary letter file drawer, and bound in numerical order, in lots of 50 to 100, using an ordinary heavy file folder for cover, clamping the invoice to the folder.

3. The *Detail Cost Record* is used for the recording in detail the distribution of costs among the main accounts as shown on Invoice Register.

4. The *Accounts Payable (or Vendors Accounts) Record* is used for the

(Continued on Page 662.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Residence (alts. and add.),** Fifty-first and Spruce streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, name withheld. Brick, 3 stories, 1 story add., oak floors (hot water heating and plumbing reserved), electric lighting, tile and marble work. Ready for bids in a week.

**Building (alts. and add. to present building),** 210-212 North Front street. Architect, LeRoy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, Standard Provision Co., 212 North Front street, Philadelphia. Concrete, 2 stories and basement, 20x100 feet, slag roof, waterproof concrete floors, hollow tile, stone foundations, heating extension, electric lighting, hollow metal sash and skylights, wire glass, refrigeration, track, scales. Architect will be ready for bids in a week.

**Women's Dormitory,** West Philadelphia. Architect, Paul Cret, 516 Woodland terrace, Philadelphia. Owner, University of Pennsylvania, Thirty-seventh and Spruce streets. Brick and stone, steam heating, electric lighting. Plans in progress. Details undecided.

**Factory (add.), "A" and Courtland streets,** Philadelphia. Architect, Edgar A. Wightman, 1213 Filbert street, Philadelphia. Owners, Concordia Silk Hosiery Co., care of architect. Brick and reinforced concrete, 2 stories, 41x125 feet, slag roof, cement floors (steam heating, electric lighting, plumbing, tank, pump and sprinklers separate bids), rolled steel sash, hollow metal skylights, iron work. Architect taking bids due October 23rd. W. Fisher, 3621 North Fifth street; A. P. Fraim, 319 Market street; R. J. Whiteside & Son, 2115 Wallace street; A. R. Raff Cont. Co., 1635 Thompson street, and Henry P. Schneider, 3713 Old York road; Geo. Kessler Cont. Co., Drexel Building, are figuring.

**Store (alts.),** 323 South Front street, Philadelphia. Architects, Clark & Dudnick, Drexel Building, Philadelphia. Owner, Max Maser, care of architects. New brick front, flush bulk, general interior alterations. Architects will be ready for bids in a few days.

**Stores (3) (alts. and add.),** 6227-29-31 Woodland avenue. Architects, Clark & Dudnick, Drexel Building, Philadelphia. Owner, M. Shore, care of architects. Brick work, slag roof, maple floors, electric lighting, reinforced concrete work, flush bulks. Ready for sub-bids in a few days.

**School,** Sanger and Jackson streets, Wissinoming, Philadelphia. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owner, St. Bartholomew's R. C. Church, care of Rev. Jos. J. Seanlon, on premises. Basement, stone, 113x113 feet, slag roof, pine floors, stone foundations, steam heat, electric lighting. Architect taking bids due October 30th at noon. Edw. Fay & Son, 2 South Mole street; William R. Dougherty, 1610 Sansom street; M. Melody & Son, 1322 Race street;

T. J. & J. R. Whelan, 214 South Forty-ninth street, and Conneen Const. Co., 30 South Eighteenth street, are figuring.

**Bungalow,** Oak Lane, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Clarence Sternberger, 3723 North Nineteenth street, Philadelphia. Stone, 1 story, 45x60 feet, slate roof, oak floors, hot water heat, electric lighting. Architect taking approximate bid from C. E. Lloyd, 6600 North Eighth street, Philadelphia.

**Power Plant,** Frankford Arsenal, Philadelphia. Architect, private plans. Owners, Frankford Arsenal, Philadelphia. Brick, steel and concrete, 1 story, 100x139 feet, wing 48x59 feet, slag roof, cement floors, stone foundations, hollow tile, metal lath, tile work, rolled steel sash, kalamein doors, waterproofing, iron work. Owners taking bids due October 28th at 2 P. M. William R. Dougherty, 1610 Sansom streets, is figuring.

**Store and Residence,** 736 Bainbridge street, Philadelphia. Architect, Reuben Beard, Liberty Building, Philadelphia. Owner, name withheld. Brick, 3 stories, 16x85 feet, slag roof, stone foundations, hot water heat, electric lighting, tile work. Plans completed. Architect ready for general bids.

**Residences and Garages (2),** Twelfth and Clarkson streets, Philadelphia. Architect, Reuben Beard, Liberty Building, Philadelphia. Owner, name withheld. Brick and stucco, 2 stories, 16x44 feet, slag roof, hardwood floors, stone foundations, hot water heat, electric light, tile work. Plans in progress.

**Garage,** Fourth and Lombard streets, Philadelphia. Architect, Reuben Beard, Liberty Building, Philadelphia. Owner, Central Garage Co., care of architect. Brick and stucco, 2 stories, 36x150 feet, slag roof, cement floors, metal lath, (1) elevator, steam heat, electric lighting. Plans in progress. Architect will take bids in one week.

**Garage,** North side of Ludlow, West of Fortieth street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Charles J. Coll, 4021 Powelton avenue, Philadelphia. Brick, 1 story, 50x100 feet, slag roof, cement floors, hot water heating, electric lighting. Architect taking bids due October 26th. Monaghan & Losse, Inc., 3016 Chestnut street; J. D. Fisher, 5424 Thompson street; LeRoy K. Smith, Forty-first and Chester avenue; E. E. Hollenback, Inc., 1804 Brandywine street, and Golove & Lewis, Real Estate Trust Building; Conneen Const. Co., 10 South Eighteenth street, are figuring.

**Court Building (alts. and add.),** 1131 Wood street, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owner, County Commissioners, care of George F. Holmes, president, City Hall. General interior and exterior alterations and ad-

ditions, plumbing, electric work, heating and ventilating. Owners have received bids.

**Residence and Store (alt. and add.),** 270 South Sixtieth street, Philadelphia, \$3,000. Architect, private plans. Owner, M. Cylinder, 521 Mifflin street, Philadelphia. Brick, 1 story add., 16x9 feet, general alterations. Owner will build.

**Cold Storage Building (alts.),** Callowhill and North American streets. Architect, Charles H. Caspar, Denckla Building, Philadelphia. Owner, Louis Pincus, on premises. Carpentry, mill work, cork insulation, brick work, plumbing. Architect has received bids.

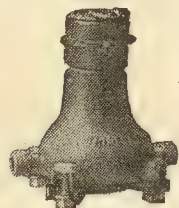
**Residence (alts. and add.),** 6643 North Eighth street, Oak Lane, Philadelphia. Architects, Mills & Van Kirk, Harrison Building, Philadelphia. Owner, Captain J. G. Tawressey, U. S. N., Navy Department, Washington, D. C. Brick and stucco, 15x29 feet, slate roof, pine floors, stone foundations, electric lighting, tile work, iron work. Architects have received bids.

**Rooming House and Store,** 1021 Locust street, Philadelphia. Architects, MacKenzie & Wiley, Liberty Building, Philadelphia. Owner, Frank L. Polites, Crozer Building, Philadelphia. Brick, 4 stories and basement, 16x90 feet, slag roof, terrazzo and pine floors, stone foundations, steam heat, electric light, tile and marble work, hollow metal skylights, (1) electric elevator. Architects taking bids due October 25th. Pomeroy Const. Co., 1609 Ransstead street; Standard Const. Co., 1713 Sansom street; F. L. Hoover & Son, 1023 Cherry street, and Jacob Myers & Sons, Witherspoon Building, are figuring.

**Stores and Apartments (alts. and add.),** Twenty-second and Spring Garden streets. Architects, Robert Pollock and E. G. Rust, 1802 Chestnut street, Philadelphia. Owner, Costella Brothers, on premises. Stone, (3) apartments, (4) new fire doors, sheet metal work, oak floors, steam heating, electric lighting, plumbing, tile work, mill work, changing partition, structural and ornamental iron work. Architects taking bids due October 24th. J. M. Yardley, 1716 Sansom street; F. E. Wallace, 1220 Chancellor street; William R. Graham, 3649 Filbert street; E. E. Hollenback, Inc., 1804 Brandywine street; F. W. Van Loon, Denckla Building, and J. Sims Wilson Co., 1125 Brown street; T. C. Trafford, 1613 Sansom street, are figuring.

**Residence (alts.) to Apartments,** 5929 Spruce street, Philadelphia. Architects, Durham Banville Co., 323 Walnut street, Philadelphia. Owner, James Kincaid, 5929 Spruce street, Philadelphia. Brick, 2 stories, slag roof, stone foundations, steam heating, electric lighting, tile work, carpentry, mill work, painting, plastering. Architect taking bids on revised plans. A. R. Raff Cont. Co., 1635 Thompson street, is figuring.

**Residence,** Fauner street, South of Veree



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road, Philadelphia, \$3,500 Architect, private plans. Owner, Louis C. Hartman, 264 West Sulis street, Philadelphia. Frame, 2 stories, 28x24 feet, pipeless heater. Owner will build.

**Apartment House (alts. and add.)**, 1334 N. Fifteenth st., Philadelphia, \$4,000. Architect, private plans. Owner, Walter Pincus, on premises. Brick, 1 story add., 16x16 feet, general alterations. Owner will build.

**Garage**, Wagner avenue, East of Thirteenth street, Philadelphia, \$5,000. Architect, private plans. Owner, R. Beuttenmiller, Marvine and Wagner avenues, Philadelphia. Brick, 1 story, 20x92 feet, slag roof, cement floors. Owner will build.

**Residences (20)**, Cambria and Gaul streets, Philadelphia, \$100,000. Architect, John R. Bright, Otis Building, Philadelphia. Owner, Octavia Hill Association, 613 Lombard street, Philadelphia. Brick, 2 stories, slag roof, hot air heat, electric light. Owner will build.

**Garage**, Pentridge street, between Fiftieth and Fifty-first streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Walter I. Smith, 24 North Eleventh street, Philadelphia. Brick, 1 story, 60x120 feet, slag roof, cement floors, hot water heat, electric lighting, hollow metal skylights (gasoline storage system reserved). Charles E. Biddle, builder, 1105 Real Estate Trust Building, ready for sub-bids.

**Schools (2)**, Ninth and Oregon avenue and Seventieth and Buist avenue, Philadelphia. Architect, private plans. Owners, Board of Education, Nineteenth above Chestnut streets. Working plans in progress. Owners will take bids in about three months.

**Garage**, 4922 North Broad street, Philadelphia, \$22,000. Architect, private plans. Owner, William Lotz, 507 Sixty-seventh avenue, Philadelphia. Brick, 2 stories, 38x178 feet, slag roof, cement and pine floors, stone foundations (heating and electric lighting reserved). Owner has received bids.

**Bank Building**, 1512 Chestnut street, Philadelphia. Owner, Rittenhouse Trust Co., 1323 Walnut street, Philadelphia. Architect, not yet selected. Work contemplated.

**Store Building (alts.)**, 6022 Market street, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, S. Kaplan, Northwest Corner Fourth and South streets, Philadelphia. General alterations, flush bulk, plate glass, verdi marble, changes to heating and lighting, parquetry floors, brass work, marble work, store fixtures. Owner will take bids in a week.

**Building (alts.) to Stores**, Southwest Corner Fifth and Washington avenue. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, D. Vigman, on premises. Reinforced concrete and structural steel, brick work, steam heat, electric lighting, pine floors, hollow metal skylights and cornices, flush bulks. Owner is taking sub-bids.

**Residences (23), Stores and Apartments (23)**, Sixty-fifth and Kingsessing avenue. Architect, private plans. Owner, Herman F. Kettman, 2424 West Clearfield street, Philadelphia. Brick, 2 stories, slag roof, pine and oak floors, stone foundations, hot water heating, electric light, tile work. Owner will build and is taking sub-bids.

**Ice Cream Plant (add.)**, 216-32 Lombard street, Philadelphia. Architect, William H. Timm, Abbott Building, Philadelphia. Owners, Abbott's Alderney Dairies, on premises. Brick and steel, 3 stories, 44x127 feet, stone foundations. Architect taking bid due October 23rd. Cramp & Co., Denckla Building, are figuring.

**Store and Dwellings (2)**, 976-978 North Marshall street, Philadelphia. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owner, name withheld. Brick, 3

stories, 16x65 feet, slag roof, pine floors, stone foundations, hot water heating, electric lighting, flush bulks. Architect will be ready for bids in a week.

**Residence and Store**, 816 South street, Philadelphia, \$9,000. Architect, private plans. Owner, I. G. Segal, on premises. Brick, 4 stories, 16½x54 feet, 13½x35 feet, slag roof, steam heating. Owner will build.

**Residence (alts. to apartments)**, 6307 Germantown avenue. Architect, William F. B. Koelle, 1300 Otis Building, Philadelphia. Owner, William F. B. Koelle, Otis Building. Stone, 3 stories, 35x200 feet, tin and slag roof, plumbing, plastering, carpentry, electrical work. Owner will be ready for bids in ten days.

**Store (alts. and add.)**, 6156-58 Ridge avenue, Roxborough, Philadelphia. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, B. Davidson, on premises. Brick work, mill work, iron work, plastering, repairs to roof, plumbing, painting, glazing, electric work, sheet metal work. Architects taking bids due October 23rd. Warren E. Biscoe, 3954 Ludlow street; Hogg Const. Co., Denckla Building; F. E. Wallace, 1220 Chancellor street; Wm. H. Eddleman & Son, 453 Green lane, Roxborough, are figuring.

**Office Building**, Southeast Corner Seventeenth and Market streets, Philadelphia. Architects, Hoffman Henon Co., Finance Building, Philadelphia. Owner, name withheld. Stone, steel, brick and concrete, 15 stories, 70x120 feet, steam heating, electric lighting, elevators. Preliminary plans in progress.

**Residences (4)**, 433-35-37-39 Bristol street, Philadelphia, \$12,000. Architect, private plans. Owner, F. E. Raub, 508 Oak Lane, Philadelphia. Brick, 2 stories, 15½x32 feet, 12x10 feet and 14x32 feet, 12x10 feet, hot air heating. Owner will build.

**Open Sheds (2)**, York road, North of Butler street, Philadelphia, \$20,000. Architect, private plans. Owner, Charles F. Felin Co., York road and Butler street, Philadelphia. Frame, 1 story, 62x80 feet (each). Owner will build.

**Residences (2)**, G street, South of Cheltenham avenue, Philadelphia, \$6,000. Architect, private plans. Owner, E. E. Brode, 3100 North Broad street, Philadelphia. Brick, 2 stories, 16x54 feet, hot air heating. Owner will build.

**Residence (alts.)**, 1229 North Broad street, Philadelphia. Architects, Hoffman Henon Co., Finance Building, Philadelphia. Owner, Geo. H. Earle, Jr., Real Estate Trust Building, Philadelphia. General alterations. Plans in progress.

**Residence (alts. and add.)**, 721 Snyder avenue, Philadelphia, \$2,500. Architect, private plans. Owner, L. Freidman, on premises. Brick, two-story addition, 11x12 feet, general alterations. Owner will build.

**Residences (4)**, Springfield avenue, west of Crefeldt street, \$60,000. Architect, private plans. Owner, J. M. Zane, Land Title Building, Philadelphia. Brick and stone, 1 and 3 stories, 25x40 feet, 8x12 feet, hot water heat, electric light. Owner will build.

**Garage**, Rumford avenue, Mt. Airy, Philadelphia. Architect, Gorgas Robinson, Nippon street, Mt. Airy, Philadelphia. Owner, Wm. Hensel, Rumford avenue, Mt. Airy, Philadelphia. Stone, 1 story, 21x21 feet, slate roof, cement floors, stone foundations, hot water heating, electric lighting, iron work. Owner taking bids. Wm. C. Wright, 22 Harvey st., is figuring.

**Warehouse**, Third and Pierce streets, Philadelphia. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Geo. W. Lefferts & Co., Third and Moore streets, Philadelphia. Brick, steel and terra cotta, 4



stories, 57x65 feet, slag roof, metal lath, rolled steel sash, hollow metal skylights and doors, dampproofing, iron work, stone foundations (plumbing, heating and electric lighting reserved). Architects taking bids, due

October 28th. H. E. Grau Co., 1709 Sansom street; H. H. Wehmeyer, 509 West Cumberland street; Metzger & Fisher, Otis Building; J. S. Rogers Co., Drexel Building, and F. E. Wallace, 1220 Chancellor street, are figuring.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Ice Storage and Warehouse**, James street near Tucker street, Frankford, \$150,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, American Ice Co., Sixth and Arch streets, Philadelphia. Reinforced concrete, 1 story, 57x155 feet, concrete foundations, slag roof, concrete and maple floors, metal lath, hollow metal skylights, iron work, roof ventilators, water-proofing, dampproofing. Contract awarded to Cramp & Co., Denckla Building, Philadelphia.

**Residences (10)**, Hennig street, South of Solly street, \$30,000. Architect, private plans. Owner, Fox Chase Land Co., Fox Chase, Philadelphia. Brick, 2 stories, 16x37 feet, 16x7 feet, hot water heating. Contract awarded to W. E. Strock, Fox Chase, Philadelphia.

**Shop (alt. and add.)**, Carlton street, West of Twenty-fourth street, \$2,500. Architect, private plans. Owner, Max Haupt, 1713 Sansom street, Philadelphia. Brick, 1 story add., 8x30 feet, general alterations. Contract awarded to Standard Const. Co., 1713 Sansom street, Philadelphia.

**Residence and Store (alts.)**, 1332 Walnut street, Philadelphia, \$2,300. Architects, Hoffman, Henon, Inc., Finance Building, Philadelphia. Owners, Hanscom Bros., Eighth and Market streets, Philadelphia. Hardware, brick work, steel work, mosaic flooring, composition floors, carpentry, mill work, sheet metal work, plastering, painting, glazing. Contract awarded to Frank R. Shriver, Fifty-first and Catharine streets, Philadelphia.

**Bakery and Garage**, 525 North Forty-first street, Philadelphia, \$6,000. Architect, private plans. Owner, E. Wundt, 525 North Forty-first street, Philadelphia. Brick, 2 stories, 26x57 feet, third story, 16x62 feet, slag roof. Contract awarded to William John Prettyman, 8807 Tinicum avenue.

**Residence (alts.)**, 425 West Price street, Philadelphia. Architect, H. L. Duhring, Jr., Bailey Building, Philadelphia. Owners, Nicola D'Ascenzo, 1608 Ludlow street, Philadelphia. Alterations for studio, changing partitions, glazing. Contract awarded to Wolverton & Co., 28 East Willow Grove avenue.

**Club**, Hartwell avenue and Anderson street, Philadelphia, \$62,000. Architect, Robert McGoodwin, 1422 Walnut street, Philadelphia. Owner, City of Philadelphia. Stone, 2 stories, 82x62 feet, slate roof, steam heat, electric light, maple floors, dampproofing. Contract awarded to Pringle Borthwick, 8018 Germantown avenue.

**Residence**, Wayne avenue near Lincoln Drive, Germantown. Architect, C. A. Ziegler, 1218 Chestnut street, Philadelphia. Owner, Barton Etherington, 6425 Wayne avenue.

Stone, 3 stories, 32x54 feet, slag roof, oak floors, stone foundations, hot water heating, electric light, tile work, metal lath, iron work. Contract awarded to A. L. Fretz & Son, Heed Building, Philadelphia.

**Factory Building**, Tenth and Westmoreland streets, Philadelphia, \$5,000. Architect, Peter Kuhn, 3058 North Eighth street, Philadelphia. Owners, Miller, Robinson & Co., Roy and Westmoreland streets, Philadelphia. Brick, 1 story, 60x56 feet, stone foundations, slag roof, N. C. pine floors, rolled steel sash, rolled steel skylights, iron work. Contract awarded to Sylvester Peters, 3630 North Fifth street, Philadelphia.

**Office Building (alts.)**, 1315 Spruce street, Philadelphia, \$7,900. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owner, Engineers' Club, on premises. Brick, steel, 4 stories, 8x24 feet, slag roof, stone foundations, fire doors, iron work, lumber and carpentry, mill work, hardware, painting and glazing. (Fire tower and bridges.) Contract awarded to Robert E. Lamb Co., 843 North Nineteenth street, Philadelphia.

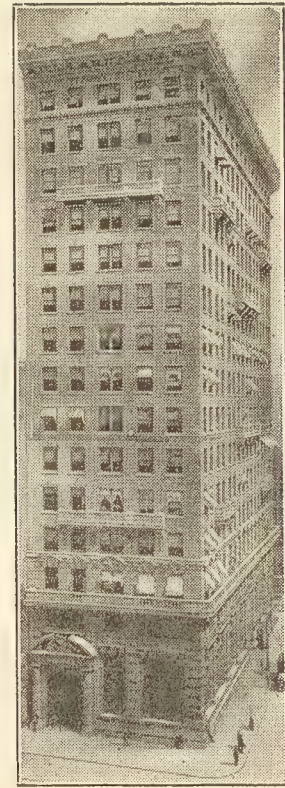
**Bank Building (alts. and add.)**, Sixtieth and Master streets, Philadelphia, \$3,500. Architect, William C. Klein, Jr., 1519 North Fifty-sixth street, Philadelphia. Owner, Overbrook Bank, care of architect. Brick, 3 stories, warm air heat, electric light, plumbing, roof repairs, carpentry, mill work, plastering, metal lath, painting, hardware, iron work. Contract awarded to Edward Holland, 1037 South Fifty-fourth street, Philadelphia.

**Garage**, 4643-45-47 Lancaster avenue, Philadelphia, \$8,000. Architect, private plans. Owner, Joseph V. Monaghan, 4637 Lancaster avenue, Philadelphia. Brick, 1 story, 50x143 feet, slag roof, cement floors. Contract awarded to A. J. Monaghan, 3615 North Sixth street, Philadelphia.

**Ice Manufacturing Plant**, 1150 Germantown avenue, Philadelphia, \$7,350. Architect, private plans. Owner, Charles Ehringer, 1150 Germantown avenue, Philadelphia. General alterations. Contract awarded to P. Haibach Cont. Co., 2361 North Twenty-sixth street, Philadelphia.

**Garage**, Emerald street, North of Venango street, Philadelphia, \$4,000. Architect, private plans. Owner, E. Wagner, 2005 Venango street, Philadelphia. Brick, 1 story, 14x105 feet, 14x15 feet, slag roof, cement floors. Contract awarded to F. Fietrich, 1828 Schiller street, Philadelphia.

**Store (alts.)**, 35 South Eleventh street, Philadelphia, \$3,500. Architect, private plans. Owner, J. B. Miller, Land Title Building,



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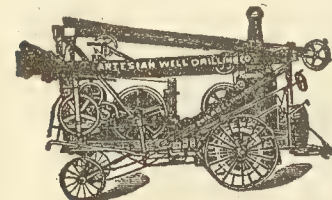
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Philadelphia. General alterations. Contract awarded to John V. Speth, Brookline, Delaware County, Pa.

**Garage**, 4939 Olive street, Philadelphia, \$3,000. Architect, private plans. Owner, R. M. Dimple, 142 North Fiftieth street, Philadelphia. Brick, 1 story, 25x64 feet, slag roof, electric light, cement floor. Contract awarded to Chas. Smith & Son, 4215 Haverford avenue.

**Store and Residence (alts.)**, 244 South Fifty-second street, Philadelphia, \$4,000. Architect, private plans. Owner, A. Tansman, on premises. General alterations, flush bulk, heating extension. Contract awarded to S. A. Sims, 5209 Locust street, Philadelphia.

**Residence (alts.) to Apartment**, 3335 North Seventeenth street, \$4,000. Architect, private plans. Owner, Mrs. W. E. Gross, on premises. General alterations. Contract awarded to F. L. Hoover & Son, Inc., 1023 Cherry street.

**Store (alts.)**, 408 Chestnut street, Philadelphia, \$10,000. Architect, private plans. Owner, Bioren Co., 314 Chestnut street, Philadelphia. General alterations. Contract awarded to William J. Bryan, 27 South American street, Philadelphia.

**Home (add.)**, 5441 Lansdowne avenue, Philadelphia, \$22,000. Architect, private plans. Owners, Salvation Army, on premises. Brick, 2 stories, 25x57 feet, slag roof, electric lighting. Contract awarded to F. L. Hoover & Son, 1023 Cherry street, Philadelphia.

**Mill Building**, Wheatsheaf lane and Coral street, Philadelphia. Architect, private plans. Owners, Hulton Dyeing Co., Inc., 3819 Frankford avenue, Philadelphia. Brick, concrete and steel, 2 stories, 62x416 feet, slag roof, cement floors, steam heat, electric lighting, rolled steel sash, fire doors. Contract awarded to F. Crompton & Bro., 4614 Oakland street, Philadelphia.

**Residences (14)**, Fifty-ninth and Dunlap

streets and Fifty-ninth and Haddington streets, \$107,000. Architect, private plans. Owner, Henry S. Reed, 1112 Chestnut street, Philadelphia. Brick, 2 stories, 16x45 feet and 15x27½ feet, 12x17½ feet, slag roof. Contract awarded to William J. Erwin, 5927 Kingsessing avenue, Philadelphia.

**Factory (alts.)**, Southwest Corner Blabon and Philadelphia and Reading Railway, Philadelphia, \$12,000. Architect, private plans. Owner, George W. Blabon, on premises. Alterations to elevator shaft. Contract awarded to William Steele & Sons Co., 1600 Arch street.

**Shop (alts.)**, Glenwood avenue, West of Second street, Philadelphia, \$15,000. Architect, private plans. Owners, Schaum & Uhlinger, American and Glenwood avenue, Philadelphia. General alterations. Contract awarded to William Steele & Sons Co., 1600 Arch street.

**Residence (alts.)**, 2016 Tioga street, Philadelphia, \$5,000. Architect, private plans. Owner, Charles Wahls, 2016 Tioga street. Plumbing, heating steam, electric work, mill work, carpentry, painting, glazing, hardware and plastering. Contract awarded to E. C. Durell, 1713 North Twenty-fourth street.

**Tank Enclosure**, Seventh and Lehigh avenue, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Hardwick Magee, on premises. Metal lath and metal tank enclosure. Contract awarded to Robt. E. Lamb Co., 843 North Nineteenth street, Philadelphia.

**Residence**, Montour street, north of Bleigh street, Philadelphia, \$3,700. Architect, private plans. Owner, H. B. Shaftbrook, Jr., 2024 North Lawrence street. Frame, 2 stories, 24 feet 10 inchesx24 feet 8 inches, electric light, hot water heat. Contract awarded to Paul L. Kamper, 424 Widener Building, Philadelphia.

**Garage**, 1511-13 North Randolph street,

Philadelphia, \$2,500. Architect, private plans. Owner, S. A. Carney, 1510 North Fifth street, Philadelphia. Brick, 1 story, 36x90 feet 3 inches, slag roof, cement floor, electric light. Contract awarded to W. J. McElwee, 2204 North Reese street, Philadelphia.

**Residences (9)** 3 Seventh and Cayuga sts. and 6 Marshall and Cayuga streets, Philadelphia, \$41,600. Architect, private plans. Owner, E. Heinle, 4338 North Seventh street, Philadelphia. Brick, 2 stories, 16x50 feet and 16x37 feet, 13x13 feet, pipeless heater. Contract awarded to Chas. Sinn, 211 West Clarkson avenue, Philadelphia.

**Garage**, 1326-30 Fairmount avenue, Philadelphia, \$12,000. Architect, private plans. Owner, L. D. Groh, 2218 Vine street, Philadelphia. Brick, 1 story, 72x96 feet, slag roof, steam heat, electric light, cement floors. Contract awarded to Shaffer & Matches, 1612 South Ithan street.

**Garage**, northwest corner of Ninth and Ontario streets, Philadelphia, \$2,500. Architect, private plans. Owners, Derstein Hair Co., on premises. Brick, 1 story, 21x40 feet, slag roof, steam heat, electric light. Contract awarded to Geo. Kessler Cont. Co., Drexel Building, Philadelphia.

**Distributing Building**, Northeast Boulevard, Whitaker, Summerdale and Wakeling streets, Frankford, Philadelphia, \$5,000,000. Architects, Geo. C. Nimmons & Co., 122 South Michigan avenue, Chicago, Ill. Owners, Sears, Roebuck & Co., Chicago, Ill. Concrete, brick, steel and terra cotta, 6 stories, 81x301 feet, wings 64x76 feet and 81x120 feet; 9 stories, 60x361 feet, two wings 120x360 feet and 1 story, 175x183 feet, slag and tile roof, maple and composition floors, metal lath, safety treads, roof ventilators, waterproofing, concrete foundations, tile and marble work, rolled steel sash, hollow metal skylights, hollow metal and rolling steel doors, steel stairs, iron work, waterproofing, iron work, safety treads,

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roof ventilators. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

### Proposals

#### INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 17, 1919. Sealed Proposals will be received at this office until 3 P. M., November 14, 1919, and then opened for new mailing vestibule and extension of driveway at the U. S. Post Office at Wilkes-Barre, Pa., in accordance with the specification and drawing, No. 87, copies of which may be had at this office or at the office of the Custodian, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

#### BUILDING MATERIALS WANTED

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**HERMAN E. WENDELL**  
Registered Architect

P. O. Box 156.

Ocean City, N. J., October 14, 1919.

Building News,

Philadelphia, Pa.

Dear Sirs:

Hafleigh & Co., H. E. Wendell, manager, have purchased the mill property at Sixth street, West avenue to Haven avenue, Ocean City, N. J., and will manufacture all mill-work, sash, furniture and special built-in

features for the company's various hotel, apartment, garage and housing projects in Ocean City. In addition, we will manufacture cement brick and will deal in building supplies of every description. We desire to get in touch with wholesalers and jobbers handling anything that goes into extensive construction work, including all kinds of lumber, Southern pine and cypress, bass, white pine, hardwoods, California red wood, the various roofings, floorings, rough and finished hardware, glass, metal (flat and ornamental), steel and structural iron, concrete, lime, mastic, brick and mortar, colors, restaurant, dining and laundry equipment, public garage equipment, mill machinery and supplies. We

would especially like to get in touch with dealers in apple, pear and cherry lumber or logs. We desire to lay in a stock of the various articles named at the very earliest moment, and would appreciate such assistance as you may render in the matter.

We will sub-let the following items: Electrical work, plumbing, painting and plastering.

Thanking you for past courtesies, I am,

Respectfully,

H. E. WENDELL, Manager.

Hafleigh & Co.

Plant No. 4, Ocean City, N. J.

Plans will be completed November 15, 1919.

### PENNSYLVANIA

## Construction News

Residence and Garage, Drexel Hill, Pa. Architects, MacKenzie & Wiley, Liberty Building, Philadelphia. Owner, Walter L. Murphy, Sixteenth and Fitzwater streets. Hollow tile and plaster, 2½ stories, 40x28 feet, garage, 1 story, frame and plaster, 13x21 feet, shingle roof, hardwood floors, hot water heating, stone foundations, electric lighting, tile work. Architects will be ready for bids in a few days.

Residence, Belmont Heights, Delaware County, Pa. Architects, Durham Banville Co., 323 Walnut street, Philadelphia. Owner, Frank Ryan, care of architects. Frame and stucco, 2½ stories, 31x45½ feet, creosote shingle roof, oak and pine floors, metal lath, concrete foundations, hot water heating, elec-

tric lighting, tile work. Plans about completed. Will be ready for bids in a few days.

Bungalow, Ridley Park, Pa. Architects, Durham-Banville Co., 323 Walnut street, Philadelphia. Owner, J. Glabb, 1144 South Ruby street, Philadelphia. Frame, 1½ stories, 28x36 feet, shingle roof, stone foundations, hot water heat. Plans completed. Owner ready for sub-bids.

Residence, Penfield, Pa. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, Lawrence Dougherty, 4832 Walnut street, Philadelphia. Frame, 2½ stories, 26x40 feet, shingle roof, pine floors, concrete foundations (hot water heating, electric lighting and plumbing reserved), tile work. Architects taking bids due October 23rd. H.

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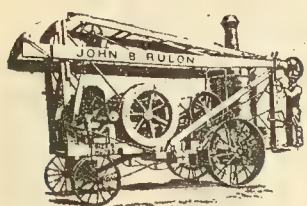
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E. Grau Co., 1709 Sansom street, and W. O. Springer, 1624 Latimer street, are figuring.

**Residence**, Chester, Pa. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owner, Dr. J. P. Craig, 417 East Broad street, Chester, Pa. Hollow tile and stucco, 2½ stories, 25x38 feet, wing 10x20 feet, slate roof, oak floors, stone foundations, tile and marble work, iron work. Pomeroy Const. Co., 1609 Ranstead street, taking sub-bids.

**Residence**, Springfield, Pa. Architect, F. G. Caldwell, Stephen Girard Building, Philadelphia. Owner, Robert B. Ely, 38 North Front street, Philadelphia. Hollow tile and stucco, 2 stories, 43½x36½ feet, shingle roof, oak floors, stone foundations, hot water heat, electric lighting, tile work. Architect taking bid due October 24th. Pomeroy Const. Co., 1609 Ranstead street; W. Percival Johnston, 4039 Lancaster avenue; LeRoy K. Smith, Forty-first and Chester avenue; Walter A. Richman, Moorestown, N. J., and J. Howard Roberts, Lansdowne, Pa., are figuring.

**Residence (alts. and add.)**, Bryn Mawr, Pa. Architect, private plans. Owner, J. Henry Longmaid, Bryn Mawr, Pa. Brick work, tile work, metal lath, lumber, carpentry, mill work, iron work, electric work, plumbing. Owners taking bid due as soon as possible from J. Myers & Son Co., Witherpoon Building.

**Nurses' Home**, Laurel Hill, Hazelton, Pa. Architects, Stewardson & Page, 327 Walnut street. Owner, State Hospital, care of Dr. Walter Lathrop, on premises. Brick. Plans in progress. Too early for details.

**Factory (add.)**, South Langhorne, Pa. Architect, Reuben Beard, Liberty Building, Philadelphia. Owner, Langhorne Wall Paper Co., South Langhorne, Pa. Concrete, brick and steel, 1 story, 50x202 feet, slag roof, timber floors, mill work (plumbing, heating and lighting reserved). Revised plans in progress.

**Residence and Garage**, Downingtown, Pa. Architects, Wilson, Eyre & McIlvaine, 1003 Spruce street, Philadelphia. Owner, Dr. Edw.

Kerr, Downingtown, Pa. Stone and stucco, 2½ stories, and 1 story, 26x50 feet, wing 22x44 feet, shingle roof, pine and cement floors, stone foundations, hot water heat, electric light, metal lath, iron work. Owner is sub-letting.

**Laboratory Building**, Steelton, Pa. Architects, Bissell & Sinkler, 806 Bailey Building, Philadelphia. Owner, Bethlehem Steel Co., Steelton, Pa. Reinforced concrete, brick and steel, 3 stories, 61x131 feet, slate roof, oak and cement floors, metal lath, safety treads, roof ventilators, waterproofing, dampproofing, cast iron stairs, iron work, concrete foundations, steam heat, tile work (electric work reserved). Owners taking bids due October 23rd. F. W. Van Loon, Denekla Building, and Pomeroy Const. Co., 1609 Ranstead street, Philadelphia, are figuring.

**Residence**, Oakmont, Pa. Architects, Lackman & Murphy, Drexel Building, Philadelphia. Owner, E. R. Eggleston, Oakmont, Pa. Stone and stucco, 2½ stories, slate roof, oak floors, vapor heat, electric light, tile work. Architect will be ready for revised bids in a few days.

**Cottages (alts. and add.) (2)**, Gwynedd Valley, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building. Owner, Ralph B. Strassburger, Gwynedd Valley, Pa. Stone and frame, general alterations and additions. Preliminary plans in progress. Too early for details.

**Ban k and Office Building (alts. and add.)**, 1 Main street, Norristown, Pa. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Penn Trust Co., Norristown, Pa. Brick and marble, tile and marble work, bronze work. Preliminary plans completed.

**School**, Eighteenth and Upland streets, Chester, Pa., \$100,000. Architect, H. Courcy Richards, 1713 Sansom street, Philadelphia. Owner, Board of Education, care of A. L. Castle, secretary, Larkin Building, Chester, Pa. Brick, 2 stories. Preliminary plans in progress.

## PENNSYLVANIA

### Contracts Awarded

**Residence**, Wayne, Pa. Architects, D. K. Boyd, V. D. Abel and F. Gugert, Otis Building. Owner, C. Wetzel, Wayne, Pa. Brick and plaster, 2½ stories, 36x48 feet, shingle roof, oak floors, hollow tile, stone foundations, hot water heating, tile work, iron work (heating, plumbing and electric lighting reserved). Contract awarded to J. D. Lengle, Wayne, Pa.

**Residence (alts. and add.)**, near Ambler, Pa. Architect, Francis G. Caldwell, Stephen Girard Building, Philadelphia. Owner, Dr. Frank Hetzell, on premises. General interior alterations, tin roof, steam heating, electric lighting. Contract awarded to Fesmire Bros., Bethayres, Pa.

**Residence**, Radnor, Pa. Architects, D. Knickerbocker Boyd, V. Abel and F. Gugert, Seventeenth and Walnut streets. Owner, O. H. Wolf, Radnor, Pa. Brick and terra cotta, 2½ stories, irregular size, shingle roof, oak floors, vapor heat, electric light, tile work. Contract awarded to J. D. Lengle, Wayne, Pa.

**Residence**, Narberth, Pa. Architects, D. K. Boyd, V. Abel and F. Gugert, Seventeenth and Walnut streets. Owner, A. E. Wohler, Narberth, Pa. Stone, 2½ stories, 25x37 feet, slate roof, oak floors, tile work. Contract awarded to E. J. Hedden, Finance Building, Philadelphia.

**Rectory**, Overbrook, Pa. Architect, Walter H. Thomas, 130 South Fifteenth street, Philadelphia. Owner, St. Paul's Protestant Episcopal Church, Overbrook, Philadelphia. Stone, 2½ stories, 40x51 feet, wing 13x19 feet, slate roof, oak and pine floors, stone foundations, steam heat, electric light, cork tile floors, iron work. Contract awarded to Milton W. Young, Overbrook, Pa.

**Development Houses**, Nos. 3, 4, 5 and 6, Supplee lane, Merion, Pa. Architects and Owners, Walter H. Thomas, Sydney E. Martin, Donald M. Kirkpatrick and John Graham, Jr., 130 South Fifteenth street, Philadelphia. Frame, stucco and shingle, 24x35 feet, wing 14x17 feet and 22x37 feet, (2)

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wings, 6x15 feet and 9x14 feet, shingle roof, pine floors, hollow tile, stone foundations, hot water heating, electric lighting, tile work, iron work. Contract awarded to Milton W. Young, Overbrook, Pa.

**Residence**, No. 30, Merion, Pa. Architect, Frank Seeburger, 1524 Chestnut street, Phila-

delphia. Owner, name withheld. Brick and plaster, 2½ stories, 36x43 feet, shingle roof, oak floors, stone foundations, tile work, iron work (electric lighting, heating and plumbing reserved). Contract awarded to J. E. Kearney, 34 South Seventeenth street, Philadelphia.

## NEW JERSEY Construction News

**School**, Pennsgrove, N. J. Architect, Geo. I. Lovatt, 416 Walnut street, Philadelphia. Owner, S. James' R. C. Church, care of Rev. H. L. Massey, Pennsgrove, N. J. Brick and stucco, 2 stories and basement, 60x100 feet, slate roof, pine floors, stone foundations, steam heat, electric lighting, plumbing. Architect taking bids, due October 29th. Wm. Wrixford, Camden, N. J.; Parsons & Robinson, Pennsgrove, N. J.; H. S. Hoffman Co., Pitman, N. J.; J. E. Healey & Son, Wilmington, Del.; Wm. R. Dougherty, 1610 Sansom street, Philadelphia, are figuring.

**Factory**, Pennsgrove, N. J. Architect, Le Roy B. Rothschild, 1225 Sansom street, Philadelphia. Owners, Biberman Bros., Twenty-third and Chestnut streets, Philadelphia. Brick, concrete and steel, 1 story, 50x129 feet, slag roof, cement and pine floors, roof ventilators, waterproofing, stone foundations, steam heat, electric lighting, rolled steel sash, iron work. Architect has received bids.

**Blacksmith and Woodworking Shop**, Camden, N. J. Architect, Richard T. Loos, 1017 Chestnut street, Philadelphia. Owners, Morgan-Haig Shipbuilding Co., Camden, N. J. Frame, 1 story, 56x114 feet, stone foundations, slag roof, dirt floors. Architect taking bids. Raith Const. Co., 304 Master street, Philadelphia, are figuring.

**Hospital (add.)**, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Municipal Hospital, care of Dr. Underwood Cockran, on premises. Brick, one-story addition, 38x82 feet, concrete foundations, concrete and slag roof, concrete floors, steam heat, electric light. Plans in progress.

**Residence**, South Merion avenue, Ventnor, N. J., \$20,000. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owner, Mrs. C. L. Merriek, Ventnor, N. J. Brick and frame, 3 stories, 40x60 feet, concrete foundations, slate and tin roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress. Architect ready for bids.

**Apartment**, Oriental avenue, Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City, N. J. Owners, Equity Realty Co., Guarantee Trust Building, Atlantic City, N. J. Brick and stucco, 2 stories, 43x67 feet, stone foundations, slag roof, metal lath, hot water heat, electric light, tile and marble work, hollow metal skylights, plate glass. Architect taking bids this week, due October 27th.

**Hotel (alts. and add.)**, St. Charles street, Atlantic City, N. J., \$40,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City, N. J. Owner's name withheld. Brick and frame, 6 stories, 30x70 feet, concrete foundations, slag roof, yellow pine floors, electric light. Plans in progress. Architect taking bids, due October 27th.

**Bungalow**, North Austin avenue, Atlantic City, N. J. Architect, W. B. Riebenack, Guarantee Trust Building, Atlantic City, N. J. Owner, George Ryan, Commercial Trust Building, Philadelphia. Brick and frame, 1 story and basement, 29x55 feet, concrete foundation, shingle roof, pine floors, hot water heat, electric light, tile work. Architect taking bids, due October 25th.

**Apartment**, Pacific avenue, Atlantic City, N. J., \$30,000. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City, N. J. Owner's name withheld. Brick, 2 stories, 43x65 feet, concrete foundations, shingle roof, hardwood floors, hot water heat, electric light, tile and marble work. Architect taking bids, due October 25th.

**Street Paving**, Cape May, N. J. Architect, private plans. Owners, Board of Commissioners, City Hall, Cape May, N. J. Concrete, bituminous concrete or like durable material, 13,317 square yards paving, 3,396 square yards brick on concrete gutters. Owners taking bids, due October 28th at 10 A. M. Deposit of \$5.00 required.

**Stores (2 and Apartments (8))**, 102-04 King's Highway, Haddonfield, N. J. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owner's name withheld. Brick and frame, 3 stories, 40x75 feet, slag roof, pine and oak floors, metal ceilings, stone foundations, flush bulks, hot water heating, electric lighting, tile and marble work. Architect will be ready for bids in two weeks.

**Bungalow**, Oxford avenue, Ventnor, N. J., \$10,000. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owner, H. G. Godshall, Guarantee Trust Building, Atlantic City, N. J. Brick and frame, 1½ stories, 40x60 feet, stone foundations, slate roof, hardwood floors, hot water heat, electric light, tile work. Architect taking bids, due October 25th. Chas. Thomas and Chas. Corson Bros., both of Pleasantville, N. J., and C. E. Shoppell, Clinton Apartments, Atlantic City, N. J., are figuring.

**Apartment**, North Carolina avenue, Atlantic City, N. J. Architect, W. B. Riebenack, Guarantee Trust Building, Atlantic City, N. J. Owner, Minnie A. Hill, North Carolina avenue, Atlantic City, N. J. Brick, 3 stories, 20x60 feet, concrete foundations, slag roof, pine floors, electric light, tile work (heating and plumbing reserved). Architect taking bids, due as soon as possible. Headley & Schull, Guarantee Trust Building, and Chas. Corson, Lynwood, N. J., are figuring.

**Apartment, Store and Service Station**, Morris and Atlantic avenues, Atlantic City, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owner, E. M. Manning, care of architect. Brick and stone, 2 stories, 50x125 feet, stone foundations, slag roof, pine floors, hot water heat, electric light,

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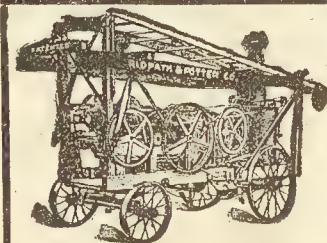
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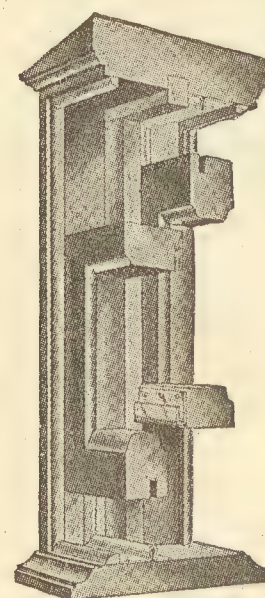
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tile and marble work. Architect has received bids.

**Apartment**, Tennessee avenue, near Beach, Atlantic City, N. J. Architect, W. S. Hewitt, Guarantee Trust Building, Atlantic City, N. J. Owner, Mrs. M. Theodoropoulos, Atlantic City, N. J. Brick and hollow tile, 3 stories, 25x50 feet, concrete foundations, composition roof, pine floors, hot water heat, electric light, tile and marble work. Architect taking sub bids.

**Factory**, Camden, N. J. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owner, C. S. Haskell, Inc., Camden, N. J. Brick and steel, 1 and 2 stories, 62x141 feet, slag roof, maple floors, metal lath, rolled steel sash, fire doors, hollow metal skylights, iron work, dampproofing (plumbing, heating, electric work reserved). Architects taking bids due October 28th. H. E. Grau Co., 1709 Sansom street; Barclay White Co., 1713 Sansom street; J. S. Rogers Co., Drexel Building, Philadelphia, and Geo. Bachman and James W. Draper, both of Camden, N. J., are figuring.

**Town Hall and Fire House**, Main street, Pennsgrove, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owner, Borough of Pennsgrove, care of Arthur Smith, Pennsgrove, N. J. Brick. Preliminary plans in progress.

**Factory Buildings**, Elizabeth, N. J. Architect, private plans. Owner, Willys Corporation, Elizabeth, N. J. Reinforced concrete and steel, 1, 2 and 4 stories, 120x1440 feet, 320x400 feet, and 50x90 feet, concrete foundations, Johns Manville roof, concrete and composition floors, tile work, rolled steel sash, iron work, waterproofing (heating and electric work reserved). Architect has received bids.

**Residence**, Bellevue avenue, Trenton, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owner, J. H. Murray, Jr., care of architect. Hollow, stucco, 2½ stories, 44x34 feet, extension 19x20 feet, stone foundations, tile roof, hardwood floors, vapor vacuum heating, electric lighting, tile and marble work. Plans in progress.

**Garage**, Front street, Trenton, N. J. Architect, William Klemann, First National Bank Building, Trenton, N. J. Owner, Alex. Klenkovostein, North Eighth street, Trenton, N. J. Brick, 1 story, 30x100 feet, stone foundations, slag roof, cement floors, steam heat, electric light, rolled steel sash. Plans in progress.

**Garage**, rear of 264 Bellevue avenue, Trenton, N. J. Architect, William Klemann, First National Bank Building, Trenton, N. J. Owner, V. B. Holcombe, 264 Bellevue avenue, Trenton, N. J. Brick, 2 stories, 20x55 feet, stone foundations, slag roof, concrete floors, electric lighting. Architect taking bids due October 24th. James H. Morris, Broad Street Bank Building; C. J. Smith, Bellevue avenue; Thomas Day, 1109 Greenwood street; Ed. LaRue, 53 South Hermitage street; C. Y. Barlow, 114 North Montgomery street; William Ivins, 717 Greenwood avenue; Sam. Wiley, 517 Monmouth street, Trenton, N. J., are figuring.

**Store (add.)**, North Broad street, Trenton, N. J. Architect, William Klemann, First National Bank Building, Trenton, N. J. Owner, Alex. Rice, Mercer Bottling Co., Trenton, N. J. Brick, 3 stories, 31x80 feet, stone foundations, slag roof, maple floors, steam heat, electric light. Architect taking bids due October 24th. Sam. Wiley, 517 Monmouth street; Charles Smith, Bellevue avenue; Ed.

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LaRue, 53 South Hermitage avenue, and William Ivins, 717 Greenwood avenue, all of Trenton, N. J., are figuring.

## New Jersey Contracts Awarded

**Residence**, Cornwallis avenue, Ventnor, N. J., \$30,000. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owner, A. P. Rosenberg, Ventnor, N. J. Brick, 3 stories, 30x60 feet, concrete foundations, slate roof, hardwood floors. Contract awarded to A. B. Bowan, Atlantic City, N. J.

**Residence and Garage**, South Hartford avenue, Atlantic City, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owner, J. W. Holtz, care of architect. Brick and frame, 2½ and 1 stories, 28x42 feet and 22x24 feet, concrete foundations, slate roof, hardwood floors and cement floors, hot water heat, electric light, tile and marble work. Contract awarded to A. B. Bowan, Atlantic City, N. J.

**Rectory**, North Mississippi avenue, Atlantic

City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owner, St. Michael's Church, care of Rev. J. Quaremba, North Mississippi avenue, Atlantic City, N. J. Brick, 3 stories and basement, 29x65 feet, concrete foundations, slag roof, hardwood floors, hot water heat, electric light, tile and marble work. Contract awarded to R. M. Ruffu, City Hall, Atlantic City, N. J.

**Garage**, Atlantic City, N. J. Architects, Price & McLanahan, Bellevue Court Building, Philadelphia. Owner, Charles K. Smith, Jr., Chelsea and Pacific avenues. Stucco, steel and brick, 1 story, 35x40 feet, slate roof, cement floor, electric lighting, hot water heat. Contract awarded to W. S. Higbee, 112 South California avenue, Atlantic City, N. J.

**Garage**, 29 Peridearis avenue, Trenton, N. J. Architect, William Klemann, First Na-

tional Bank Building, Trenton, N. J. Owner, Fred Barlow, on premises. Frame, 1 story, 10x18 feet, cement foundations, asbestos roof, cement floors, electric lighting. Contract awarded to Ed. LaRue, 53 South Hermitage avenue, Trenton, N. J.

## Delaware Construction News

**Residence (alts. and add.) and Garage**, Greenhill and Willard streets, Wilmington, Del. Architect, E. C. May, Du Pont Building, Wilmington, Del. Owner, N. P. Rood, on premises. Brick, 2 stories, 24x35 feet, stone foundations, shingle roof, cement and hardwood floors, electric lighting. Plans in progress. Architect ready for bids.

**Residence**, Wilmington, Del., \$5,000. Archi-

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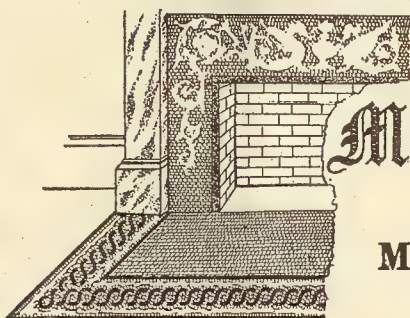
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teet, private plans. Owner, Leon Syfiel, 709 Concord avenue, Wilmington, Del. Brick, 2 stories, 24x30 feet, stone foundations, asbestos roof, pine floors, hot air heat, electric light. Owner will build.

**Tannery (add.)**, Eleventh and B. & O. R. R., Wilmington, Del, \$17,000. Architect, private plans. Owner, J. E. Rhoades & Sons, on premises. Brick, 1 story, 50x10x91 feet, slag roof, wood floors, electric lighting. Owner will build.

**Residences (3)**, Nineteenth and Van Buren streets, Wilmington, Del., \$15,000. Architect, private plans. Owners, Wilmington Store Co., Fifth and Market streets, Wilmington, Del. Hollow tile, 2½ stories, 16x41 feet, stone foundations, slate roof, pine floors, hot water heating, electric lighting, tile work. Contract awarded to Spier Const. Co., 816 Jefferson street, Wilmington, Del.

**Residence**, Middletown, Del. Architect, E. C. May, Du Pont Building, Wilmington, Del. Owner's name withheld. Brick, 2 stories, 38x42 feet, stone foundations, slate roof, hardwood floors, hot water heating, electric lighting, tile and marble work. Contract awarded to Morris Strickland, Elkton, Md.

### Miscellaneous Construction News

**Residence**, Greensboro, N. C. Architect, Chas. Barton Keen, Bailey Building, Philadelphia. Owner, Major John E. Rossell, Irving Place, Greensboro, N. C. Frame, 2½ stories, 67x32½ feet, shingle roof, oak floors, vapor heat, electric light, tile work. Owner taking sub-bids.

**Cottage**, Reynolda, N. C. Architect, Chas. Barton Keen, Bailey Building, Philadelphia. Owner, Mrs. R. J. Reynolds, Winston Salem, N. C. Frame, 1 story, 51x52 feet, shingle roof, oak floors, vapor heat, electric light, tile work. Owner is sub-letting.

**Manufacturing Building**, Queen street, south of Jackson avenue, Borough of Queens, N. Y. Architects, Ballinger & Perrot, 1328 Broadway, New York City. Owner, Wm. T. White Building (formerly Anchor Cap Enclosure Building), on premises. Reinforced concrete and steel, 6 stories, concrete roof and floors, rolled steel sash, elevators, electric lighting, steam heating. Architects taking bids, due at New York office October 28. American Concrete Steel Co., 50 Broadway; Wm. L. Crow Const. Co., 103 Park avenue; Thompson-Starrrett Co., 49 Wall street; Warren-Moore Co., Wards Island, N. Y.; Clough-Bourne Corp., 101 Park avenue; Turner Const. Co., 242 Madison street, all of New York City, are figuring.

**Dormitory and Gymnasium**, Boulder, Col. Architects, Day & Klauder, 923 Chestnut street, Philadelphia. Owners, University of Colorado, Boulder, Col. Stone, 2 and 3 stories, 32x200 feet and 140x175 feet, tile roof, cement floors, steam heating, electric lighting. Plans in progress. Architects will take bids from local contractors.

**Residence (alts. and add.)**, Hudson, Ohio, \$13,400. Architect, Louis S. Adams, 1530 Walnut street, Philadelphia. Owner, Philadelphia Rubber Works Co., care of J. Kearsley Mitchell, president, Land Title Building, Philadelphia. General alterations and porch add., composition, oak and pine floors, hot water heat, electric light, tile work, cabinet work. Contract awarded to Edw. A. Wehr, Highland Building, Pittsburgh, Pa.

(Continued from Page 652.)

recording of all invoices from Vendors. After the invoices have been entered in the Invoice Register and Detail Cost Record Book, they are entered as a Credit to Vendor in Accounts Payable. Each Vendor has a separate page or sheet. After entry is made, it is placed in file under Vendor's name until ready for payment. When payment is made same is vouchered and charged to accounts payable (Vendors acct.) and cash credited.

OFFICE ROUTINE OF PURCHASE ORDER,  
INVOICES AND VOUCHER.

*Issuance of Purchase Order—In Quadruplicate.*

The original of order is sent to Vendor, the duplicate is filed numerically (which forms order Register), triplicate is filed in Open Order file—(Vendor's Name Order), quadruplicate—which forms material receipt or tally sheet) is filed by the office material clerk awaiting receipt of material.

*Receipt of Material.*

Upon receipt of materials, the office material clerk checks and signs the material receipt portion of the order and file completely with supporting delivery tickets, etc., awaiting invoices.

*Checking and Auditing Invoices.*

Invoice upon receipt is checked against material receipt or tally sheet for receipt of material. Extensions, prices and footings are checked and certified. Cost distribution is checked and entered. Invoice is then audited for discount and cost distribution and certified. Invoice then passes to the superintendent for his approval and the approval of the owner's representative.

*Entry of Approval Invoices in Invoice Register and Vendor's acct.*

Upon return of approved invoice from the superintendent, the bookkeeper gives the Invoice numerical register number and enters in the Invoice Register. Only fully approved invoices are given register number. Invoice is then posted to the credit of the Vendor in Accounts Payable account and a charge to the Detail Cost Record.

*Journalizing Accumulated totals of Invoices Register to Ledger.*

Accumulated totals in the Invoice Register are journalized in the Ledger (which is also the voucher record) at daily, weekly or semi-monthly periods as is found practical.

*Voucher Check.*

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tem to be the most convenient. The voucher is made in quadruplicate at the construction office on the job and the approval of the owner's representative is often indicated on all copies of the voucher. The check, or original voucher goes to the Vendor, the duplicate to our general office for our records, the triplicate is kept as the job record and the quadruplicate is the "Owner's Copy" which is forwarded to the Vendor with the original to be receipted by him and returned. At intervals we furnish the owner with statement showing vouchers paid and receipted vouchers attached.

Since the major purpose of cost accounting is to give an adequate basis for future estimating, it is important that so far as practicable the form of cost accounting shall follow the form of estimate. This is not practicable to the last subdivision of each of our general accounts, but sufficient to permit intelligent use of all cost figures. With such figures it is possible to compare not only final costs, but costs at any stage of the job, with the original estimated cost for that portion of the contract. We frequently divide our estimate by floors, in the case of a many-storied building, in order to have a check upon quantities and upon expenditure at several stages of the work.

#### DISTRIBUTION OF ACCOUNTS.

We use the decimal system of classification of accounts. The classifications number 100 to 600 inclusive, and 900 are for our general books, which embrace the assets and liabilities, revenues and income accounts—we will omit these in our discussion of construction cost accounting in connection with cost-plus and fixed-fee contracts.

The general distribution is under the following headings:—

700 and 800 Construction Costs (Summary of General Headings):—

- 710 Excavation.
- 720 Caissons.
- 730 Footings
- 740 Trench and Wall.
- 750 Concrete and Fireproofing.
- 760 Masonry.
- 770 Carpentry.
- 780
- 790
- 800 Plant Expense.
- 810 Field Overhead.
- 820 Extra Work.
- 830 Subcontracts.
- 840 (Subcontract) Extra Work.
- 850
- 860
- 870 Repair Contracts.
- 880

890 Company Expense (not chargeable to owner).

The sub-divisions of headings 710-790 are between the items labor (1), material (2), and liability insurance (3). Thus, labor in excavation would be 711, material in excavation 712, and liability insurance in excavation 713.

A further division of the various kinds of labor and materials is made. The following classifications illustrate this point:

Labor—711:

- 711.01 Digging (General).
- 711.02 Digging (Sub-basement).
- 711.03 Sheeting and shoring banks.
- 711.04 Shoring adjacent building.

Material—712:

- 712.01 Lumber.
- 712.02 Underpinning adjacent building.

- 712.03 Rings (steel).

- 712.04 Cement.

Liability Insurance—713.

For convenience we have listed the charges of labor and material in the order they usually appear in building construction costs:

Labor—

- .01 Digging (general).
- .02 Digging (sub-basement).
- .03 Sheeting and Bracing Banks.
- .04 Shoring Adjacent Buildings.
- .05 Underpinning Adjacent Buildings.
- .06 Pumping.
- .07 Back-filling and Grading.
- .08 Cutting Old Footings.
- .09
- .10 Placing Lagging and Rings.
- .11 Ventilating.
- .12 Mixing and Placing Concrete.
- .13 Build Forms (General).
- .14 Build Forms (Exterior Colmns).
- .15 Build Forms (Interior Columns).
- .16 Build Forms (Spandrels).
- .23 Lay Brick.
- .26 Bend Steel.
- .35 Set Cut Stone.
- .44 Fit and Hang Doors.
- .56 Unload and Handle Material, etc.
- .60 Clean up Rubbish.

Add as many new accounts as are needed.

Material—

- .01 Lumber.
- .02 Underpinning Adjacent Building.
- .03 Rings (Steel).
- .04 Cement.
- .05 Sand.
- .06 Stone.
- .07 Brick.
- .08 Wall Tie and Inserts.
- .09 Steel (Structural).
- .10 Steel (Reinforcing).
- .11 Nails and Wire.
- .12 Clamps, Purchased or Rented.

.13 Tile.

.14 Protection (Lumber, etc.).

.15 Terra Cotta.

.16 Granite.

.25 Frames and Sash.

.30 Interior Trim.

.35 Coping.

Should charges be made in connection with concrete and fireproofing under Subdivision 750, they would follow the same order as in excavation:

751.12 (Labor)—Mixing and Placing Concrete.

752.04 (Material)—Cement.

753—Liability Insurance.

Or, Carpentry—Subdivision 770:

771.44 (Labor)—Fit and Hang Doors.

722.25 (Material)—Frames and Sash.

733 Liability Insurance.

CLASSIFICATION OF PLANT EXPENSE.

Subdivision 800 covers plant expense and conforms with the subclassification of the 700 accounts as much as practicable.

The following are the headings under 800:

- 801 Excavation.
- 802 Caissons.
- 803 Footings.
- 804 Sawmill.
- 805 Concrete and Fireproofing.
- 806 Masonry.
- 807
- 808
- 809 General (items charged to general equipment).

A further typical subdivision of the accounts under this heading is:

- 801 Excavation.
- 801.1 Transportation (of Equipment Plant).
- 801.2 Erectiton of Equipment.
- 801.21 Labor.
- 801.22 Material.
- 801.3 Equipment on Charge and Credit Basis.
- 801.31 Labor.
- 801.32 Material.
- 801.4 Rental of Equipment.
- 801.5 Fuel, Lubricants and Power.
- 801.6 Repairs.
- 801.7

Should charges to Plant in connection with concrete and fireproofing be made, they would be charged as 805 with divisions shown above.

FIELD OVERHEAD.

811 Salaries, General Labor and Expense—

- 811.1 Supt. and Engineers.
- 811.2 Office Employes.
- 811.3 Materialmen and Timekeepers.
- 811.4 Laying Out Building.
- 811.5 Watchman.
- 811.6 Waterboys.
- 811.7 Toolmen.



- 811.8 Lia. Ins. Supt. and Watchman.
- 811.9 Trav. Exp. Supt. Engr. & Office Men.
- 812 *Engineering Expense*—
  - 812.1 Plans, Detail and Eng. Supplies.
  - 812.2 Photographs.
  - 812.3 Engineering Service.
  - 812.4 Architects' Fees.
  - 812.5
  - 812.6
  - 812.7
  - 812.8
  - 812.9
- 813 *Office Expense*—
  - 813.1 Rent, Light and Heat.
  - 813.2 Stationery and Printing.
  - 813.3 Telephone.
  - 813.4 Telegraph.
  - 813.5 Postage and Expressage.
  - 813.6 Rent on Adding Machine and Typewriters.
  - 813.7 Furniture.
  - 813.8
  - 813.9 Misc. Off. Expense, Towels, etc.
- 814 *Other Fixed Field Expenses*—
  - 814.1 Bonds (Maintenance and Construction).
  - 814.2 Permits and Licenses, Boiler Inspection.
  - 814.3 Fire Insurance.
  - 814.4 Legal Services.
  - 814.5 Burglar Insurance.
  - 814.6 Association Dues.
  - 814.7 Advertisements.
  - 814.8 Floor Tests.
  - 814.9 Ring Tests.
- 815
- 816 *Temporary Structures (Labor and Material)*—
  - 816.1 Offices.
  - 816.2 Toilets.
  - 816.3 Toolhouse, Blacksmith Shops, Storage Sheds, etc.
  - 816.4 Stairs and Ladders.
  - 816.5 Fences, Sidewalks, Covers and Other Enclosures.
  - 816.6 Temporary Platform and Driveways.
  - 816.7
  - 816.8 Repairs and Protection to Adjacent Property.
  - 816.9 Protection to Pub. Utilities.
- 817
- 818 *Temporary Light, Heat and Power*—
  - 818.1 Light.
  - 818.2 Heat
  - 818.3 Power.
  - 818.4
  - 818.5
  - 818.6
- 819 *General Cleaning*
  - 819.1 Labor
  - 819.2 Teaming.
  - 819.3
  - 819.4
  - 819.5
- 820 *Extra Work*—
  - 821.1 Use as many numbers as accounts charged.

- 822
- 830 *Subcontracts.*
- 831 *Wrecking, Excavating and Shoring, etc.*—
  - 831.1 Wrecking (Contract).
  - 831.2 Excavation (Contract).
  - 831.3 Shoring (Contract).
  - 831.4
- 832 *Heating, Plumbing, Wiring, Elevators, etc.*—
  - 832.1 Sub-heading for each kind of sub-contract.
- 833 *Interior Construction.*
- 834 *Painting and Glazing.*
- 835 *Millwork.*
- 836 *Roofing.*
- 837 *Fireproof Doors and Windows.*
- 838 *Interior Finish.*
- 839 *Structural Steel.*
- 840 *(Extra Work) Subcontracts.*
- 841 *Subheading for Each Kind of Work Done.*
- 850
- 860
- 870 *Repair Contracts (for Small Jobbing Contracts).*
- 890 *Company Expense (not Charged to Owners).*
- 891 *Subheadings for Each Kind of Expense.*

#### DETAILED STATEMENT OF CONSTRUCTION COST.

At stated periods we take from the cost records a summary and detail statement of construction costs in the following form:

| Acct. No. | Name of Acct. | Item. | Amount. | Cost Per Unit. | Est. Cost. | Diff. |
|-----------|---------------|-------|---------|----------------|------------|-------|
|-----------|---------------|-------|---------|----------------|------------|-------|

The last column is in black or red; naturally, the red items will have careful scrutiny to ascertain why costs are running above estimate. This statement is primarily for our own use, but the owner may have a copy if he wishes.

#### OWNER KNOWS TOTAL EXPENDITURE AT ALL TIMES.

Under the cost-plus-fixed fee contract the owner generally furnishes the funds to finance the contract. We maintain an entirely separate bank account for each cost-plus contract representing the owner's funds, and where agreeable to the owner, we arrange for the owner's representative to countersign all checks drawn by us on this account. At the start of the work we furnish an estimate of the anticipated amount of labor and material bills covering an initial period of two weeks or more to the owner, who then advances the funds to cover these requirements. When the owner's receipted copies of vouchers covering this period are returned from the vendors, a statement is given to the owner showing amounts actually paid for payrolls, materials and sub-contract work, with receipted vouchers attached. That total is

then credited to us by the owner on account of contract.

The advantages of having all accounts handled at the job are apparent. The distribution, if not clear from the purchase order, can be referred to the superintendent, and the fact that the books of accounts are at all times open for the owner's inspection is an assurance to him of honest treatment. The fact that he approves purchases of materials before made and again has the opportunity of questioning invoices prior to payment, leaves the control with him and prevents the accumulation of minor disputed items, which if left for settlement until the completion of the contract might not be readily explained.

But a system of accounts, no matter how perfect, cannot influence the cost of work except as it points out from time to time divergence from the preliminary estimate and unless such differences are promptly taken in hand, the reasons investigated and the remedy applied. The success of work under the cost-plus contract is still dependent upon the integrity of the contractor and his ability to perform.

We have used this system of accounting with entire satisfaction to firms mentioned above in this article, and to many others, such as the William Davies Company, Ltd., the largest packers of Canada; the Robert Simpson Co., Limited, Toronto, for whom we built originally on the cost-plus-fixed-fees basis and from whom we have received many repeat orders, being now engaged in work at Halifax on this same basis. This is adequate proof that the cost-plus contract is workable and that the owners not only feel safe, but prefer this method, because under it 90 per cent. of the savings under the preliminary estimate accrue to the owner, because the 10 per cent. retained by us is a reasonable incentive for us to make every possible saving and because additional costs incurred through no fault or omission of the contractor are rightly chargeable against the builder and should not reduce or wipe out his profit. There is incentive for the contractor to make all possible savings under both old and new contract, and some of the savings must go to the contractor to give him that incentive. Ten per cent. we believe to be adequate, and the 90 per cent. going to the owner builds up for us a good-will account which practically assures repeat orders as new work becomes necessary. The building of a relationship which will insure repeat orders is just as important in contracting as in merchandising.

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## THE DESIGN OF STEEL STRUCTURES

By ALBERT S. SPENCER.

The design of steel structures is a task very often undertaken without a reasonably sufficient knowledge of the principles involved. The principal object to be borne in mind by the structural designer—ignoring artistic and utilitarian requirements—is to evolve a structure which necessitates in its construction a minimum amount and cost of materials, the latter being distributed so that the structure will remain stable under the influence of the applied forces. This, no doubt, is a very elementary statement, yet, nevertheless, the saving that could be legitimately made in many designs by a more rigid attention to this fact, if a test be made, would amply repay the designer for his trouble. The economy is particularly marked where superfluous material is accumulated, as in the case of a multiple-storied building or in a bridge. In such a building any undue excess of material in the upper stories has to be supported by the lower stories; and ultimately by the foundations. In the case of a bridge the excess load acts as a force-moment, and where the span is only limited by the capacity of the constructive material this force-moment may have a serious effect in limiting the span.

The theory of structures embraces the application of mechanical principles to determine the stability and strength of structural units and of the units acting as a complete structure. These principles may be applied mathematically or graphically. The mathematical method is generally the simplest when the structure is rectangular in outline and when the external forces are normal to the exposed surface of the structure, while the graphical method is the simplest for structures having an angular exterior outline or when the external forces are angular to the structure. The principal points to be considered are:

(1) So to arrange the outlines of the structure as to reduce its resistance to wind pressure to a minimum and at the same time limit the force-moment of the wind.

(2) The superimposed loads, or applied loads, should be kept down to the minimum consistent with safety.

(3) To examine the structure as to its stability and to endeavor to eliminate any possibility of distortion or displacement.

(4) To calculate the magnitude and nature of the stresses in the various units.

(5) To determine the sizes of the units so that each will safely resist the

greatest stress that can possibly be set up.

(6) Where the force-moments exist, to distribute the materials in any unit so as to create the maximum economic resistance moment, and also by introducing where possible such units as will enable the whole structure to have the maximum resistance moment.

(7) To take advantage of the variable unit resistance of the constructive materials.

(8) To select such sections and materials as are readily obtainable and are economical in cost.

(9) To arrange the members and the connections in such a way as to allow the direction and centre of action of the resistance force to coincide with that of the applied force.

**EXTERNAL FORCES.**—Economy is obtained in a building by the adoption of a low roof in preference to a high type—that is, by the use of a flat roof instead of a ridge roof, particularly if of large span. The economy is more apparent if it is realized that the extra wind force acting on the ridge roof has not only to be resisted by the framework of the roof itself, but also by the superstructure and the foundations.

A very economical and serviceable type of roof which was recently provisionally patented is a combination of the flat and ridge types, in which the ridged portion or portions are limited to the amount necessary for the natural lighting of the interior of the building. By the adoption of the suspension principle in the arrangement of the framework this special type of roof has many advantages where very large areas are required to be roofed, particularly if the supporting stanchions are to be kept to a minimum in number so as to not interfere induly with the manufacturing process.

**FORCE-MOMENTS.**—Reverting to the example comparing a flat type roof with a ridge roof as regards the comparative resistance to wind force, the centre of action of the wind force acting on the flat type roof is much nearer the ground than is that for the ridge roof; consequently, whether or not the ground level is coincident with the fulcrum round which the wind force acts, the moment of the wind force is certain to be reduced thereby, and as a reduction in the external force-moment leads to a corresponding reduction in the required resistance moment of the building, there is in consequence a saving in the material required to give the necessary stability.

**SUPERIMPOSED LOADS.**—By a too rigid attitude in the use of conventional allowances, or perhaps more particularly as the result of compulsory adherence to by-laws, we are often reluctantly compelled to misuse our constructive materials, and thus violate one of the principles of the theory of structures. Under the present restrictions, however, advantage may be gained by calculating all loads on the lean side rather than on the full side, a procedure always followed by competitive designers who wish to survive as such.

**STABILITY.**—Although there are many excellent treatises which deal with the theory of structures, too much attention is given to the application of the theory to the stability of structural units without sufficient consideration being given to the stability of the whole structure. A similar deficiency is noticeable in the treatment of this subject at our technical colleges. The result of this is discernible in present-day drawing-office practice, where many designers completely ignore the necessity for such stability calculations.

**DETERMINATION OF SECTIONS.**—The proportions and properties of the various units must be such that the material is only stressed within safe limits. The proportioning of parts subjected to simple stresses is very elementary and need not be considered here, but some remarks may be made with regard to where compound stresses exist in a unit, such as occurs, for instance, in struts. Units subject to bending stresses should have a modulus of section as large as possible relative to the area, and the resistance arm should be sufficiently large to reduce deflection to within safe limits. Struts, particularly if of great length relative to width, and consequently subject to flexural stresses in addition to compressive stress, should have the radius of gyration as large as possible relative to the area. Where sudden changes of stress occur the material should not be varied in the same degree, particularly if the material is of a granular nature, and for the same reason; also in cases where the nature of the stress varies intermittently a higher margin of safety should be allowed.

(Continued Next Week.)

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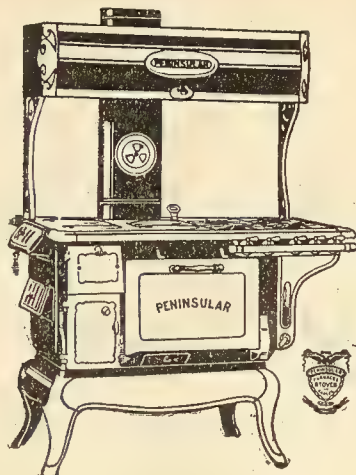
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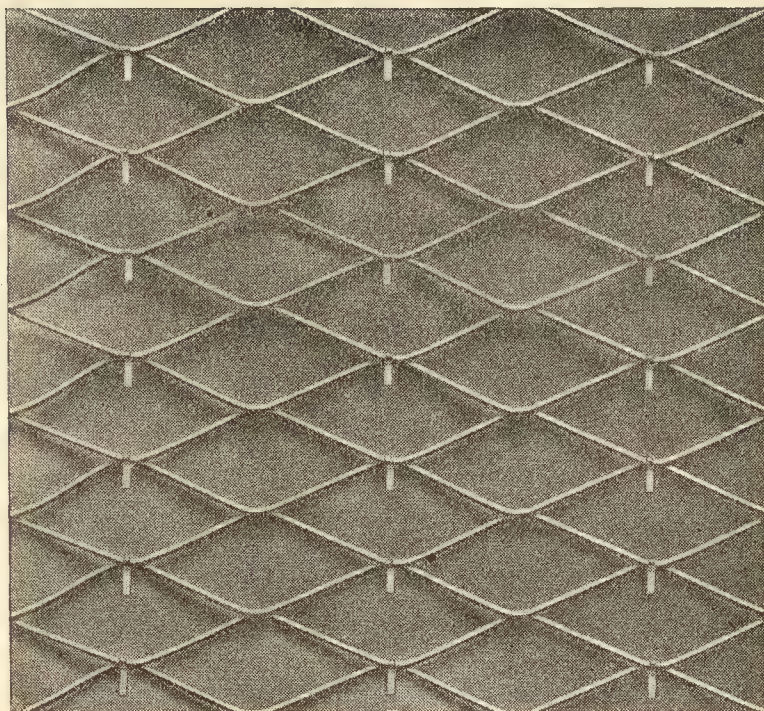
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Rulon, John B. ....1355 Colwyn St., Phila.

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Pardee, John S. E., & Co.....Heed Bldg., Phila.

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Pomeroy Const. Co. ....1609 Ranstead St., Phila.

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France, David, Co. ....Tasker St. Wharf, Phila.  
French, Samuel H., & Co. ....4th and York Sts., Phila.  
Lotz's, F. C., Sons.American and Dauphin Sts., Phila.

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France, David, Co. ....Tasker St. Wharf, Phila.  
French, Samuel H., & Co. ....4th and York Sts., Phila.  
Lehigh Portland Cement Co....Finance Bldg., Phila.  
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## FENCES.

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Real Estate Trust Bldg., Phila.  
Pettit, Frank, Ornamental Iron Works,  
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## FIREPROOFING.

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Metal Lathing Specialty Co.,  
2610 W. Huntingdon St., Phila.  
McCalla Co., The Harold.....531 N. 4th St., Phila.  
Pearce Fireproof Co. ....1345 Arch St., Phila.  
Truscon Steel Co. ....Commonwealth Bldg., Phila.

## FLOOR PLATES.

Montgomery Iron & Steel Co..1832 N. 9th St., Phila.  
Wood, Alan, Iron & Steel Co...Widener Bldg., Phila.  
Morris Wheeler & Co....30th and Locust Sts., Phila.

## FLUE LINING.

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## FURNACES AND RANGES.

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Miller, Henry M. ....46 N. 2nd St., Phila.  
Klein Stove Co. ....700 N. Front St., Phila.  
Richardson & Boynton Co.....1332 Arch St., Phila.

## GARAGE HEATERS.

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## GAS LOGS.

Cassel, Jacob C. ....915 Arch St., Phila.

## GAS WATER HEATERS.

Apeldorn & Beatty Co.....155 N. 9th St., Phila.  
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Fleck Bros. Co. ....44 N. 5th St., Phila.  
Keystone Supply & Mfg. Co...927 N. 9th St., Phila.  
Richardson & Boynton Co.....1332 Arch St., Phila.

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Wagner, Taylor, Edson Co., Inc.422 Walnut St., Phil.  
Insurance Co. of North America,  
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Montgomery Iron & Steel Co..1832 N. 9th St., Phila.  
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## LEVELS.

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Warren-Knight Co. ....136 N. 12th St., Phila.  
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Janney Lumber Co.....1147 Beach St., Phila.  
Lloyd Co., Wm.....29th and Ridge Ave., Phila.

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Roman Mosaic & Tile Co.....435 Green St., Phila.

## METAL LATH.

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General Fireproofing Co...512 Bulletin Bldg., Phila.  
McCalla Co., The Harold.....531 N. 4th St., Phila.  
Pearce Fireproof Co.....1345 Arch St., Phila.  
Truscon Steel Co.....Commonwealth Bldg., Phila.

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Metal Lath Specialty Co.,  
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## METERS.

Phila. Meter Co.....Real Estate Trust Bldg., Phila.

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Fairbanks Co., The.....7th and Arch Sts., Phila.

## MORTAR COLORS.

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## ORNAMENTAL IRON.

Montgomery Iron & Steel Co..1832 N. 9th St., Phila.  
Pettit, Frank, Ornamental Iron Works,  
809 Master St., Phila.

## PAINTS AND VARNISHES.

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## PAVING BRICKS.

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Pardee, John S. E., & Co.....Heed Bldg., Phila.

## PIPE.

Griffith, James F. ....424 Moyer St., Phila.

## PIPE FITTINGS AND VALVES.

Fairbanks Co., The.....7th and Arch Sts., Phila.

## PLUMBING FIXTURES.

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Keystone Supply & Mfg. Co...927 N. 9th St., Phila.  
Vogel, Joseph, Co. ....Wilmington, Del.

## PRESERVATIVES (Wood and Concrete)

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## RANGES

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Miller, Henry M. ....46-48-50 N. 2nd St., Phila.  
Richardson & Boynton Co. ....1332 Arch St., Phila.

## REFRIGERATORS.

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Klein Stove Co. ....Front and Fairmount Ave., Phila.  
Miller, Henry M. ....46-48-50 N. 2nd St., Phila.

## REINFORCING BARS.

Morris Wheeler & Co....30th and Locust Sts., Phila.  
Truscon Steel Co. ....Commonwealth Bldg., Phila.  
Witherow Steel Co. ....417 Widener Bldg., Phila.

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## ROOFING TIN.

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## SAFETY GUARDS.

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Kensington Metal Co. ....1612 N. 2nd St., Phila.

## SAND.

Fairlamb, P. H. Co. ....115 S. 30th St., Phila.  
France, David, Co. ....Tasker St. Wharf, Phila.  
Lotz's, F. C., Sons.American and Dauphin Sts., Phila.  
Sidley Silica Sand Co.....Widener Bldg., Phila.

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## SCREENS.

Botts, E. G. ....5208 Chestnut St., Phila.  
Malia, Thos. J. ....141 Wentz St., Phila.

## SEWER PIPE.

Clausen, Wm. H. ....27th and Diamond Sts., Phila.

## STEAM SPECIALTIES.

Apeldorn & Beatty Co.....155 N. 9th St., Phila.

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Real Estate Trust Bldg., Phila.  
Nicholas, A. J., & Co.....Bulletin Bldg., Phila.  
Ridpath & Potter Co.....Bourse Bldg., Phila.  
Rulon, John B. ....1355 Colwyn St., Phila.

## STRUCTURAL STEEL.

McCalla Co., The Harold.....531 N. 4th St., Phila.  
Montgomery Iron & Steel Co..1832 N. 9th St., Phila.  
Morris Wheeler & Co....30th and Locust Sts., Phila.

## SURETY BONDS.

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Stokes, Packard, Haughton & Smith,  
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Wagner-Taylor-Edson Co., Inc.422 Walnut St., Phila.

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Ketcham, O. W. ....Builders' Exchange, Phila.

## TILE AND TERRAZZO WORK.

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French, Samuel H., & Co.4th and Callowhill Sts., Phila.  
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Petronite Mfg. Co. ....531 N. 9th St., Phila.  
Roman Mosaic & Tile Co.....435 Green St., Phila.

## TRANSITS.

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Warren-Knight Co.....136 N. 12th St., Phila.  
Weber, F., & Co.....1125 Chestnut St., Phila.

## VASES.

Cassel, Jacob C. ....915 Arch St., Phila.

## VENTILATORS.

Merchant & Evans Co..2035 Washington Ave., Phila.

## WALL COPING.

Clausen, Wm. H. ....27th and Diamond Sts., Phila.

## WATER HEATERS.

Davis, Garfield W. ....34 S. 17th St., Phila.

## WATER PAINT.

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Southern, Wm. B.,  
N. W. Cor. 12th and Spruce Sts., Phila.

## WATERPROOFING.

Barrett Co., The.....New York and Philadelphia

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Nicholas, A. J., & Co.....Bulletin Bldg., Phila.

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| Premiums in course of transmission.. | 3,203,681.96    |
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Total ..... \$30,801,413.40

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|--------------------------------|-----------------|
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| Reserve for Unpaid Losses..... | 4,594,236.33    |
| Reserve for Taxes.....         | 1,030,000.00    |
| Surplus .....                  | 8,922,516.93    |
| All other Liabilities.....     | 36,851.22       |

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Surplus to Policyholders..... \$ 12,922,516.93  
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# Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XXXIV, No 44  
October 29, 1919

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors  
and the Material and Equipment Trades

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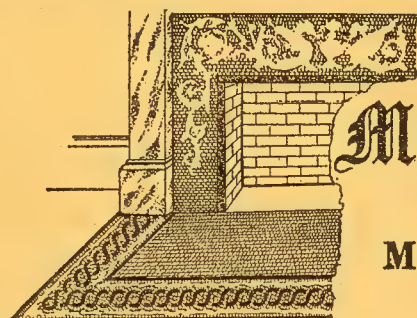
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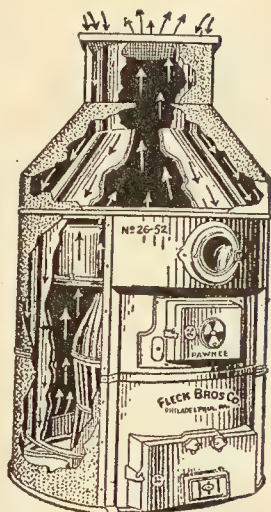


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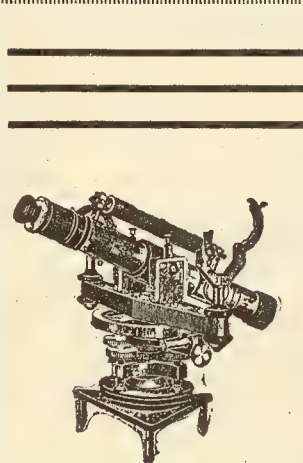
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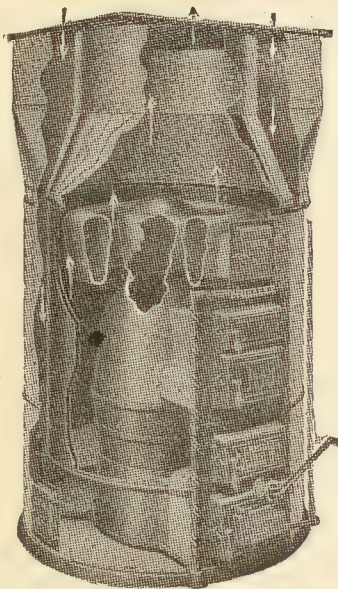
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

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## As The Editor Sees It



THE Industrial Conference called by President Wilson failed to accomplish the results desired by the President. In his own words the conference was called "for the purpose of consulting together on the great and vital questions affecting our industrial life and their consequent effect upon all our people, to discuss such methods as have already been tried out of bringing capital and labor into close co-operation, and to canvass every relevant feature of the present industrial situation, for the purpose of enabling us to work out, if possible, in a genuine spirit of co-operation a practicable method of association based upon a real community of interest which will redound to the welfare of all our people."

The withdrawal of the labor group caused the breaking up of the conference, but another has been suggested, and it would be a calamity if Secretary of Labor Wilson's prophecy that "surely human intelligence can devise some acceptable method of adjusting the relationship between employer and employee" were not fulfilled. The results achieved by the Canadian Industrial Conference might help enlighten us in working out our salvation.

The report of Mr. John M. Gaus on the Canadian Conference in the *Bulletin* of the Associated General Contractors of America is published elsewhere in this of America follows:—

"The results of the National Industrial

Conference which was held at Ottawa, Canada," says Mr. Gaus, "are of general interest to American business men and especially to the construction industry. The problems discussed at Ottawa and the disagreements and agreements which were evidenced there closely parallel American experience and American difficulties, which are now under consideration at Washington. Especially interesting to general contractors, however, is the fact that in Canada the building trades are taking the lead in adopting plans for the joint consideration of industrial problems by employers and employees.

Representatives at the conference were selected by national associations of employers on the one hand, and by the Trades and Labor Congress of Canada and the Civil Service Federation on the other hand. A Third Group was also in attendance, representative of various governmental agencies, of technical societies, returned soldiers, municipalities, and agricultural interests. President Trigg and Secretary Frazee, of the National Federation of Construction Industries of the United States were also present as guests of the conference. In all about 200 representatives were in attendance.

### RESOLUTIONS ADOPTED AND DISCUSSED

The program adopted by the conference including a variety of subjects relating to labor including hours, wages, unions, insurance, joint industrial coun-

cils, most of which were covered in a report submitted by the Royal Commission on Industrial Relations on whose recommendation the conference was called. Resolutions adopted unanimously after study and report by special committees and thorough debate on the floor of the conference, provided the following.

The appointment of three Royal Commissions representing employers, employees, and the public (1) to consider the adoption of uniform labor laws by the various provinces and the Dominion Government; (2) to investigate unemployment, sickness, old age, and widow's insurance, and (3) to study the wages paid unskilled labor; the general adoption of minimum wage laws for women and children and special attention to the need of better salaries for school teachers; the establishment of a Government Bureau to gather data and furnish information regarding Joint Industrial Councils with recommendation that they be voluntarily adopted by industries, but without recommendation as to any set scheme; endorsement of the proposed government investigation of the Proportional System of Electoral Representation; approval of the housing plans of the Government; full time education for all up to the age of 14, and part time from then until the age of 16; the removal of restrictions upon the freedom of speech and the press; the provision of public works in times of emergency unemployment, and a

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central employment system.

Decided differences of opinion were registered by each of the three groups representing the Employees, the Employers, and the Public on the three committees appointed to consider hours of labor, recognition of trade unions, and the democratic management of government work. While admitting the right of employees to organize, the Employers stood for "open shops" and stated that they "should not be required to negotiate, except directly, with their own employees or groups of their own employees"; the Employees asked official recognition of the unions; the Public submitted no request.

Again, while the Employers asked for further investigation and report on the adaptability of the hours of labor principles of the Peace Treaty to the different industries of the country, the Employees and the Public asked for the adoption of the eight-hour day. The plan of the Royal Commission to apply the principles of democratic management to government work was approved by the Employees and the Public; the Employees believed it to be a question entirely for the government and its employees.

#### BOTH EMPLOYERS AND EMPLOYEES FAVOR JOINT BOARDS

The debates of the conference on the subject of Joint Industrial Councils was most interesting and instructive. Dr. Strachan, of the Imperial Oil Company, first stated the position of the employers. Briefly, from his own experience in the plants of his company he favored some plans for joint boards, but was unwilling to give a blanket endorsement to the particular items of the Whitley Scheme as applied to Canada. In speaking of the plan of employees representation at his plant he said:

#### PLAN FORCES EXCHANGE OF VIEWS

"We have had eight months of this plan. During that eight months we have had twenty-eight conferences; we have settled one hundred and nineteen questions and have settled them satisfactorily . . . ." He then quoted a statement of one of the employees which he added was his own conclusion. "I believe in the plan because I feel that any medium which forces men of varying opinions to sit down face to face, week after week, in an open, untrammelled exchange of views, must result in a fairly even balance of the rights of each being ultimately established. In all the negotiations conducted under our plan I cannot remember when labor has lost ground. Neither our laborers nor our executives are dreamers enough, however, to believe they have found the panacea for all the ills of the industrial world. It is difficult to devise machinery for the adjustment

of human relations, but in practical operation the Industrial Representation Plan of the Company has proved a great advance over any other attempt at the solution of modern industrial problems which has come under my observation."

Mr. Tom Moore, the able leader of the employees' representatives, and President of the Trades and Labor Congress, presented the case of the workers. He was strongly for the Whitley plan, based upon the recognition of trades unions as representative of the workers, and where trades unions were not in existence, in co-operation by all parties in establishing organized conditions.

#### CANADIAN BUILDING TRADES FIRST TO APPLY PLAN

Perhaps the most informing remarks were made by a representative of the Third group, Mr. Wills MacLachlan, of Toronto, an engineer. He had been formerly a laborer, and had also of recent years been consulted by the power companies of Ontario and therefore spoke from a peculiarly valuable experience.

Mr. MacLachlan spoke in part as follows:

"I called a meeting (March 17) in the city of Toronto of the representatives of contracting interests and their employees and on the first of April an agreement was signed between those parties who mutually decided upon various points leading up to what is now called the Toronto Building Trades Industrial Council. . . . Before coming to the conference I took the opportunity of asking the representatives of both sides how it was working out, and they said it was working with perfect satisfaction. I am willing to admit that that plan could not be applied to all industries in Canada. In the Building Trades in Toronto there was very complete organization on both sides, and it was not very difficult to put it

into effect. . . . I am given to understand that it has solved one strike and prevented two others and that there is mutual agreement as to the extension of the work during the coming winter.

. . . . The plan was possibly not entirely the Whitley, as the last part of it was taken from the last part of the International Harvester Company's plan, which was considered to be very applicable."

Subsequently the committee to which the matter was referred by the conference proposed the following resolutions which were unanimously adopted:

"Your committee is of the opinion that there is urgent necessity for greater co-operation between employer and employee. We believe that this co-operation can be furthered by the establishment of Joint Industrial Councils. Your committee does not believe it is wise or expedient to recommend any set plan for such Councils.

"We therefore recommend that a Bureau should be established by the Department of Labor of the Federal Government to gather data and furnish information whenever requested by employers and employees or organizations of employers or employees that whenever it is desired to voluntarily establish such councils the fullest assistance should be given by the Bureau."

The report of the Royal Commission on Industrial Relations speaks of the Toronto Council mentioned above, and states that similar Boards are projected in Ottawa and Montreal. It is noteworthy that both in England and Canada the Building Trades have been first to work out in a practical way these measures for industrial peace at a time when such peace is vital to continuous production, and that other industries and the Government have hastened to benefit from the experience.

## SAFETY IN STEEL ERECTION

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Steel erection, presents in general, the same problems regarding safety encountered in other field construction work.

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force of workmen is much less stable in the field than in the shop. With the field force constantly changing, it is much more difficult to educate the men to safety and to avoid getting men who are unsafe on the work.

There are, however, certain differences between steel erection and general construction: the loads are generally much heavier and handled under more varying

(Continued on Page 682.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING;  
CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Residences (2)**, Mount Airy, Philadelphia. Architect, George S. Idell, 1705 Chestnut st., Philadelphia. Owner's name withheld. Brick, 2 stories, 16x42 feet, slag roof, pine floors, hot water heat, electric light, stone foundations. Plans in progress.

**Office Building (Annex)**, 112 North Broad street, Philadelphia. Architect, Wesley Leshner Blithe, 608 Chestnut street, Philadelphia. Owners, Fidelity Mutual Life Insurance Co., on premises. Reinforced concrete, 8 or 9 stories, 60x85 feet, composition roof, maple and composition floors, concrete foundations (steam heat, electric light and plumbing reserved), rolled steel sash, fire doors, 1 elevator, plastering, wire glass, fire tower, ornamental iron work. Architect is ready for sub-bids.

**Store Front**, 1616 Chestnut street, Philadelphia. Architect, private plans. Owners, Thos. C. Fluke Co., on premises. Copper and plate glass, 1 story. Frank G. Stewart, 1619 Sansom street, is taking sub-bids.

**Hospital Buildings (alts. and add.)**, Second and Luzerne streets, Philadelphia. Architect, Philip H. Johnson, Presser Building, Philadelphia. Owners, Philadelphia Hospital for Contagious Diseases, care of Dr. Wilmer Krusen, Director, Department of Public Health and Charities, 584 City Hall. Extension to Observation Building and alterations and addition to Refectory and Storage Buildings. Brick and concrete, 3 stories, 55x62 feet, fireproof, steel, slate roof, granolithic and terrazzo floors, hollow tile, metal lath, elevators, metal weatherstrips, waterproofing, dampproofing, steam heat, electric light, marble and terrazzo work, rolled steel sash, wrought iron skylights, fire doors, kitchen equipment, iron stairs and work (plumbing, heating and electric work separate bids). Owners taking bids, due November 5th at noon. Frank G. Stewart, 1619 Sansom street; Standard Const. Co., 1713 Sansom street; F. W. Mark Cont. Co., Commercial Trust Building; Thos. Reilly, 1616 Thompson street; Wm. R. Dougherty, 1610 Sansom street; Mitchell Bros., 2125 Race street, Philadelphia, are figuring.

**Store Building (alts.)**, 203 North Broad street, Philadelphia. Architect, Le Roy B. Rothschild, 1225 Sansom street, Philadelphia. Owners, Herbert Bros., 1540 Wood street, Philadelphia. Changing front and new doorway. Architect taking bids, due as soon as possible. Lam Building Co., 1001 Wood street; Hogg Const. Co., Denckla Building; D. Henwood, 1509 Wood street; Kober Const. Co., Middle City Building, are figuring.

**Office**, east side of River Road, south of Passyunk avenue, Philadelphia, \$5,000. Architect, private plans. Owners, Atlantic Refining Co., 3144 Passyunk avenue, Philadelphia. Brick, 2 stories, 20x21 feet, slag roof, electric light. Owners will build.

**Garage**, Sixteenth and Belfield avenue, Philadelphia, \$5,000. Architect, private plans. Owner, Joseph G. Schiller, 1219 Fisher's Lane, Philadelphia. Brick, 1 story, 138x142 feet, slag roof, cement floors. Owner will build.

**Residence (alts.)**, Chestnut Hill, Philadelphia. Architects, Willing & Sims, 1637 Sansom street, Philadelphia. Owner, Emily Barclay, Chestnut Hill, Philadelphia. Frame and stucco, 2½ stories, iron work, painting, carpentry, millwork, metal work, plastering, glazing, electric work, plumbing. Architects have received bids.

**Residence and Garage**, Oak Lane, Philadelphia. Architects, Clark & Dudnick, Drexel Building, Philadelphia. Owner, Harry Largman, care of architects. Stone, 2½ stories, 28x40 feet, and 1 story, 10x20 feet, slate roof, cement and hardwood floors, hot water heat, electric light, tile work. Architects taking bids. Stoneback & Nace, Quakertown, Pa., are figuring.

**Church**, Sixty-third and Chestnut streets, Philadelphia. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Protestant Armenian Church of Philadelphia, care of architect. Stone, 2 stories, 60x100 feet, slate roof, pine floors, stone foundations, steam heat, electric lighting, tile work. Plans in progress.

**Building (alts.)**, 1221-23 Chestnut street, Philadelphia. Architect, William Burnett Tuthill, 185 Madison avenue, New York City. Owners, R. W. Realty Co., 121 Duane street, New York City. Marble and brick work, iron work and stairs, pine plank floors, carpentry, millwork, glazing, hollow metal skylights, metal lath, plastering, painting (plumbing, heating, tile work and metal ceilings reserved). Architect has received bids.

**Residence (alts. and add.)**, Chestnut avenue, Chestnut Hill, Philadelphia. Architect, C. A. Ziegler, Bailey Building, Philadelphia. Owner's name withheld. General interior and exterior alterations and additions. Plans in progress.

**Hospital (alts. and add.)**, Broad and Ontario streets, Philadelphia. Architect, private plans. Owners, Samaritan Hospital, Broad and Ontario streets, Philadelphia. Brick, 4 stories, 12x24 feet, slag roof, pine and tile floors, hollow tile, stone foundations, steam heat, electric light, hollow metal skylights. Owners have received bids.

**Garage**, 2258 Gorgas Lane, Philadelphia, \$2,500. Architect, private plans. Owner, J. Nabolitzsky, on premises. Stone, 1 story, 22x22 feet, electric light, cement floors. Owner will build.

**Residence**, northeast corner of Friendship and Oakley streets, \$3,200. Architect, private plans. Owner, B. Gersenlein, 1931 South Fifth street, Philadelphia. Brick, 2 stories, 16x40 feet, hot water heating. Owner will build.

**Residences and Stores (alts.)**, 5503 and

5517-19 Baltimore avenue. Owner, M. Kirshner, 421 Snyder avenue, Philadelphia, \$9,000. General alterations. Owner will build.

**Residence**, east side of Eighth street, north of Cheltenham avenue, \$14,000. Architect, private plans. Owner, C. E. Lloyd, Jr., 6600 North Eighth street, Philadelphia. Stone, 2 stories, 46x32 feet, hot air heating. Owner will build.

**Garage**, northwest corner of Wiley and Leland streets, Philadelphia, \$5,000. Architect, private plans. Owner, Wm. G. Adams, on premises. Brick, 1 story, 51x158 feet, cement floors. Owner will build.

**Auto Display and Service Building**, 1342-44-46 Brown street, Philadelphia. Architect, David B. Bassett, Perry Building, Philadelphia. Owner, Morton E. Hecht, Empire Building, Philadelphia. Reinforced concrete, 4 stories, 55x85 feet, slag roof, cement floors, hollow tile, metal lath, (1) electric elevator, concrete foundations, steam heat, electric light, marble work, rolled steel sash, hollow metal skylights, rolling steel shutters. Architect has received bids.

**Theatre** (moving picture), Market street, West of Fifty-second street, Philadelphia. Architect, H. C. Hodgins, 130 South Fifteenth street, Philadelphia. Owners, Felt & Marcus, 140 South Fifty-second street, Philadelphia. Brick, stone and steel, concrete and terra cotta, 125x128 feet. Plans in progress.

**Residences (23), and Residences and Stores (8)**, Sixty-fifth, Kingsessing and Regent streets, Philadelphia, \$126,500. Architect, private plans. Owner, Herman F. Kettman, 2434 West Clearfield street, Philadelphia. Brick, 2 stories, 14x42 feet, 18½x58 feet and 16 feet 4 inches x58 feet, slag roof, hot water heating. Owner will build.

**Garage**, 230 Winona avenue, Germantown. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, Mrs. Harvey A. Weideman, 6517 Lincoln Drive. Brick and rough cast, 1 story, 24x27 feet, slate roof, cement floors, stone foundations, hot water heating, electric lighting. Architects have received revised bids.

**Offices (alts.)**, Eleventh and Wyoming avenue, Philadelphia. Architect, Edwin L. Rothschild, 1011 Chestnut street, Philadelphia. Owner, Samuel J. Schless, 1030 Market street, Philadelphia. General interior alterations, changing partitions, plastering, hot water heat, electric light, tile work. Owner will build.

**Warehouse**, Southeast Corner Fifth and Montrose streets, Philadelphia. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owners, Schutz & Miller, Northwest Corner Fifth and Fitzwater streets. Tapestry brick, 3 stories and basement, 36x66 feet, slag roof, yellow pine floors, hollow tile, metal lath, plastering, 2,000 lb. electric elevator, stone and concrete foundations, steam heating, electric lighting, rolled steel sash,



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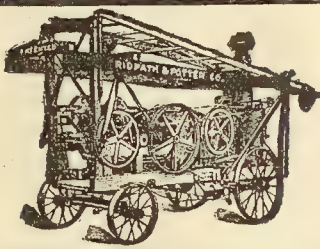


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**Open Shelter Shed**, Cambria street, East of Richmond street, \$2,500. Architect, private plans. Owner, Furness-Withy Co., Ltd., Bourse Building, Philadelphia. Iron on iron, 1 story, 36x75 feet. Owners will build.**Warehouse (alts.)**, 1532 North American street, Philadelphia, \$2,000. Architect, private plans. Owners, A. M. Collins Mfg. Co., 246 Columbia avenue, Philadelphia. Fire repairs. Owners will build.**Twin Residences**, 107-09 West Durham street, Mt. Airy, Philadelphia. Architect, George S. Idell, 1705 Chestnut street, Philadelphia. Owner, name withheld. Brick, 2 stories, 16x41 feet each, slag roof, pine floors, stone foundations, hot water heat, electric lighting. Architect taking bids due October 31st. Hogg Const. Co., Denckla Building, and Thomas C. Trafford, 1613 Sansom street, are figuring.**Residence**, Chestnut Hill, Philadelphia. Architect, Robert Rodes McGoodwin, 1422 Walnut street, Philadelphia. Owner, H. L. Appleton, Twelfth and Sansom streets, Philadelphia. Stone, 2½ stories. Architect taking bids due November 5th. Wolverton & Co., 204 East Willow Grove avenue; Wm. J. Gruhler Co., 219 East High street, are figuring.**Parkway Building (alts.)**, Broad and Cherry streets, Philadelphia. Architects, W. L. Rouse & L. A. Goldstone, 512 Fifth avenue, New York City. Owner's name withheld. General alterations, 10 stories, slag roof, wood block, oak, pine, tile, marble and terrazzo floors, rolled steel sash, kalamein doors, iron work, metal lath, plastering, painting, glazing. Architects taking bids, due October 30th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.**Store Building (alts.) to Bakery**, northwest corner Fifty-second and Ludlow streets. Architects, Folsom & Stanton, 1328 Walnut st., Philadelphia. Owner, Wm. Meenehan, Sixty-second and Walnut streets, Philadelphia. Interior alterations, plastering, carpentry, flush

bulks, changing stairways. Plans in progress.

**Factory (add. and alts.)**, Jasper and Huntingdon streets, Philadelphia. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, W. H. & A. E. Margerison, on premises. Brick, 4 stories, slag roof, maple floors, stone foundations (electric lighting and heating reserved), brick work, metal work, painting, glazing, plumbing, mill work. Architects taking bids, due November 3rd. Lam Building Co., 1001 Wood street; Warren-Moore Co., Colonial Trust Building; Jacob Myers & Sons Co., Witherspoon Building, and H. H. Burrell, 206 Quince street, are figuring.**Hospital (add.)**, Fifty-fourth and Cedar avenue, Philadelphia, \$200,000. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owner, Misericordia Hospital, on premises. Brick, stone and terra cotta, 6 stories, slag roof, concrete floors, hollow tile, steam heat, electric lighting, tile work. Architect is sub-letting.**Residence (alts. and add.)**, 5318 Baynton street, \$7,000. Architect, J. S. Fuller, 5539 Delancey street, Philadelphia. Owner, Jos. J. Rabinovitch, care of architect. Brick and stone, 2½ stories. New porch, oak floors, electric lighting, tile work, painting, interior decorating, plastering, carpentry. Architect is taking sub-bids.**Sales and Service Building**, 1603-05-07 Vine street, Philadelphia. Architect, Le Roy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, Murray White, 309 Morris Building, Philadelphia. Brick, cut stone and concrete, 4 stories, 25x58 feet, slag roof, cement floors, metal lath, elevators, stone foundations, steam heat, electric light, rolled steel sash and skylights, iron work. Architect taking bids, due November 5th. Warren-Moore Co., Colonial Trust Building, and Barclay White Co., 1713 Sansom street, are figuring.**Residence (alts.)**, 1954 North Thirty-first street, Philadelphia. Architects, Clark & Dudenick, Drexel Building, Philadelphia. Owner's name withheld. Underpinning and lowering floor, stone work, electric lighting, flush bulk, plate glass. Architects are ready for sub-bids.**Contracts Awarded****Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.****Factory, Boiler and Engine Room**, Third and Lehigh avenue, \$400,000. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, American Preserve Co., Inc., Wayne C. Meschter, president, 946 Beach street, Philadelphia. Brick and concrete, 5 stories, 80x250 feet and 70x50 feet, slag roof, cement floors, hollow tile, metal lath, (2) elevators, safety treads, roof ventilators, concrete foundations, steam heating, electric lighting, rolled steel sash, fire and kalamein doors, ornamental iron work. Contract awarded to Cramp & Co., Denckla Building, Philadelphia.**Club Building**, 506-08 Pine street, Philadelphia, \$75,000. Architect, Edwin L. Rothschild,

1011 Chestnut street, Philadelphia. Owners, Independent Order of Brith Sholom, 512 South Fifth street. Brick, cut stone, steel and terra cotta, 3 stories and basement, 36x200 feet, stone foundations, slag roof, maple and pine floors, steam heating, electric lighting, tile and marble work, rolled steel sash, skylights, metal lath, ash hoist, mill work, cement work. Contract awarded to B. Bornstein, 1512 North Franklin street.

**Residence (add.)**, Stenton avenue and New street, Philadelphia, \$6,000. Architect, private plans. Owner, Philemon Dickinson, on premises. Stone, 2 story add., 15x19 feet. Contract awarded to George S. Roth & Sons, 230 East Gravers Lane.**FACE and CUT STONE****HOLMESBURG GRANITE CO.**

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**Residence and Store (add.)**, 1206 South street, Philadelphia, \$3,000. Architect, private plans. Owner, Max Cohen, on premises. Brick, 1 story add., 15 feet 8 inches x 35 feet. Contract awarded to Charles Schutzer, 1619 Franklin street, Philadelphia.

**Garage**, 4043-49 Ludlow street, Philadelphia, \$2,000. Architect, private plans. Owner, A. E. Miller, 4209 Sansom street, Philadelphia. Brick, 1 story, 81x18 feet, cement floors, slag roof. Contract awarded to William S. Gore, 6 North Forty-first street, Philadelphia.

**Factory (add.)**, Southwest corner Third and Ontario streets, \$90,000. Architect, private plans. Owner, Liggett-Myers Tobacco Co., on premises. Brick, second and third story add., 62 feet 3 inches x 211 feet 8 inches, slag roof. Contract awarded to the Austin Co., Bulletin Building, Philadelphia.

**Storage Building (add.)**, 249 North Fourth street, Philadelphia, \$3,500. Architect, private plans. Owners, Henry Schmidt & Bro., 321 New street, Philadelphia. Brick, third story add., 74x19x21 feet, slag roof. Contract awarded to William F. Koelle & Co., Twenty-sixth and Oxford streets.

**Residence and Office (add. and alt.)**, 1585 North Fifty-second street, Philadelphia, \$2,450. Architect, private plans. Owner, Herman Harvey, on premises. Brick, 1 story add., 16x18 feet, general alterations. Contract awarded to Albert Lashner, 1625 South Orkney street, Philadelphia.

**Store (alts. and add.)**, 1222-24 Walnut street, Philadelphia, \$30,000. Architect, Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owner, Stone, Inc., on premises. Brick and hollow tile, 4 stories, slag roof, 22x44 feet, maple floors, stone foundations, electric lighting, tile and marble work, metal lath, kalamein doors, metal ceilings, damp-proofing, iron work (heating and elevator reserved). Contract awarded to Kober Const., Co., 212 Middle City Building, Philadelphia.

**Garage**, 5100 Wayne avenue, Germantown. Architect, Charles H. Peddle, 136 South Fourth street, Philadelphia. Owner, Charles J. Schaefer, 5702 Germantown avenue, Philadelphia. Brick, 1 story, 18x20 feet, slag roof; cement floors, hot water heating, electric lighting, stone foundations. Contract awarded to F. Elvidge & Son, 5522 Germantown avenue.

**Warehouse (alts. and add.)**, Twenty-third and Cherry streets, Philadelphia, \$11,000. Architect, James C. Fernald, 5533 Wyalusing avenue, Philadelphia. Owners, Swenk-Benson Co., Twenty-third and Cherry streets, Philadelphia. Brick, slow burning construction, 2 stories, 71x80 feet, stone foundations, slag roof, pine floors, hollow metal skylights. Contract awarded to William A. Patterson, 5333 Vine street, Philadelphia.

**Factory (add.)**, 1909 North Sixth street, Philadelphia, \$6,750. Architect, private plans. Owner, The Philadelphia Show Case Co., on premises. Brick, 3 stories, 20x40 feet, slag roof, electric lighting. Contract awarded to Frank Lucci, 1603 Ellsworth street.

**Bungalow**, Roosevelt Boulevard, North of Levick street, \$5,500. Architect, private plans. Owner, A. Pettyjohn, Germantown avenue and Berkley street. Stone, 1 story, 29x45 feet, slate roof, electric light, hot water heat, oak floors. Contract awarded to A.

Forepaugh, 1645 Pratt street, Philadelphia.

**Store and Dwelling (alts. and add.)**, 1932 West Susquehanna avenue, \$5,500. Architect, private plans. Owner, Mr. Sternberg, Twentieth and Susquehanna avenue, Philadelphia. Brick, 3 story add., 10 feet 8 inches x 13 feet, general alterations. Contract awarded to Max Cotler, 1220 North Forty-second street, Philadelphia.

**Apartment House**, 2122 West Venango street, Philadelphia, \$6,000. Architect, private plans. Owner, Mrs. George Truckess, 3822 North Thirteenth street, Philadelphia. General alterations. Contract awarded to Arthur Brown, 1903 East Clearfield street.

**Residence**, Bermuda street, North of Orthodox street, Philadelphia, \$3,500. Architect, private plans. Owner, Mike Salmon, 4539 Stiles street, Philadelphia. Brick, 2 stories, 16x52½ feet, slag roof, electric lighting. Contract awarded to Thomas Gasinski, 4530 Milnor street.

**Residence and Store (alts. and add.)**, 1328 Germantown avenue, \$3,000. Architect, private plans. Owner, Edw. Banks, 1357 Germantown avenue, Philadelphia. Brick, third story add., 17x55 feet, general alterations. Contract awarded to A. Rubin, 1127 Thompson street, Philadelphia.

**Office Building (add.)**, Bridesburg, Philadelphia. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, H. A. Hitner's Sons Co., Bridesburg, Philadelphia. Frame, 2 stories, add. 10x20 feet, slag roof, pine floors, iron work, stone foundations. Contract awarded to Harry Brocklehurst, 512 West Norris street.

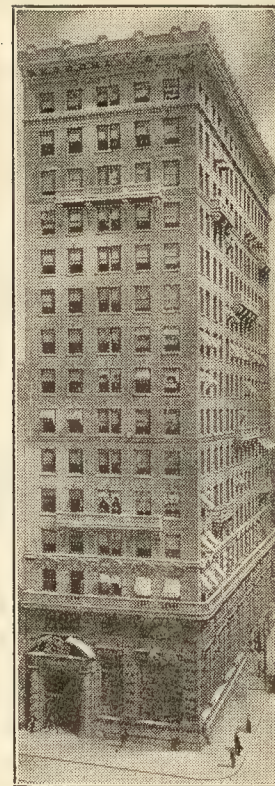
**Residence (alts. and add.)**, 5539 Lansdowne avenue, \$3,000. Architect, private plans. Owner, Mrs. Eltingham, 5543 Lansdowne avenue, Philadelphia. Brick, 1 story add., 15x10 feet, general alterations. Contract awarded to William J. Smith, 1661 North Fifty-sixth street, Philadelphia.

**Store and Two-Family Apartment (alt. and add.)**, 634-36 West Lehigh avenue, \$6,000. Architect, private plans. Owner, W. Tapping, 2741 Germantown avenue, Philadelphia. Brick, 1 story add., 24x24 feet, general alterations. Contract awarded to A. Hill, 926 West Lehigh avenue, Philadelphia.

**Chimneys (2)**, Frankford Arsenal, Philadelphia. Architect, private plans. Owners, United States Government, care of Const. Officer, Frankford Arsenal, Philadelphia. Concrete, 12 feet diameter, 200 feet high. Contract awarded to Rust Eng. Co., Pennsylvania Building, Philadelphia.

**Office Building**, Bridesburg, Philadelphia, \$20,000. Architect, private plans. Owners, Fayette R. Plumb, Inc., Tucker and James streets, Frankford. Brick, steel and concrete, 1 story, 55x85 feet, concrete roof, concrete floors, steam heating, electric lighting, rolled steel sash and skylights. Contract awarded to Rust Eng. Co., Pennsylvania Building, Philadelphia.

**Fibre Container Building**, Nixon street, Manayunk, Philadelphia. Architect, Frank V. Nickels, 4600 Main street, Manayunk, Philadelphia. Owner, Philadelphia Paper Mfg. Co., Manayunk, Philadelphia. Brick, slow burning, 2 stories, 59x190 feet, slag roof, pine plank floors, (1) elevator, concrete footings, timber piles (electric lighting and heating re-



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served), plumbing, rolled steel, sash and hollow metal skylights. Contract awarded to Brown Const. Co., 4600 Main st., Manayunk.

**Storage Yard**, 966-68 North Front street, Philadelphia, \$4,000. Architect, private plans. Owner, Espion Realty Co., 954 North Front street, Philadelphia. Frame, 1 story, 205x25 feet. Contract awarded to F. A. Havens Co., 845 North Nineteenth street, Philadelphia.

**Garage**, "A" street, north of Tioga street, Philadelphia, \$3,000. Architect, private plans. Owner, George R. Schoch, 3509 North "A" street, Philadelphia. Brick, 1 story, 33x20 feet, 17½x50 feet, slag roof, cement floors. Contract awarded to Henry A. Hobert, 2620 East Cumberland street.

**Manufacturing Building**, 318 East Cheltenham avenue, \$13,000. Architect, private plans. Owner, Frank C. J. Dursch, 848 East Woodlawn avenue, Philadelphia. Stone, 2 stories, 65 feet 8 inches x 53 feet, hot water heating. Contract awarded to I. D. Davis Co., Twentieth and Spencer streets.

**Office Building (alts.)**, 253-55 North Broad street, \$5,000. Architect, private plans. Owner, Bell Telephone Co., Thirteenth and Arch streets, Philadelphia. General alterations. Contract awarded to F. L. Hoover & Sons, 1023 Cherry street.

**Garage**, 2121-25 West Clearfield streets, Philadelphia, \$18,000. Architect, private plans. Owner, Jacob Horning, on premises. Stone, 1 story, 60x141½ feet, slag roof, electric light, cement floors. Contract awarded to P. Haibach Cont. Co., 1261 North Twentieth street.

**Residences and Stores (3)**, 1240-42-44 South street, \$7,000. Architect, private plans. Owners, A. Crorin, 1240 South street, Philadelphia. Brick, 2 story add., 12x20 feet and 14x20 feet, general alterations. Contract awarded to B. Tubin, 2422 South Fourth street, Philadelphia.

**Foundry and Plating Shop**, 1406-08 North Howard street, \$20,000. Architect, private

plans. Owners, Wright Mfg. Co., 131 Master street, Philadelphia. Brick and steel, 1 story, 40x90 feet, slag roof, concrete floor, stone foundations, electric lighting, iron work. Contract awarded to Raith Const. Co., 304 Master street, Philadelphia.

**Garage**, north side of Ludlow, west of Fortieth street, Philadelphia, \$15,000. Architect,

E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Charles J. Coll, 4021 Powelton avenue, Philadelphia. Brick, 1 story, 50x100 feet, slag roof, cement floors, hot water heat, electric lighting. Contract awarded to J. D. Fisher, 5424 Thompson street, Philadelphia.

## PENNSYLVANIA Construction News

**Residence (alts.)**, Elkins Park, Pa. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Albert Wolf, Elkins Park, Pa. Mill work, plastering, plumbing, hardware, carpentry, shingle roof, pine and parquet floors, metal lath, tile and marble work, iron work. Architects taking bids due October 31st. William R. Dougherty, 1610 Sansom street; Samuel Harting, 20 East Johnson street; J. Sims Wilson Co., 1125 Brown street; Fred Elvidge & Son, 5522 Germantown avenue; William J. Grubler Co., 219 High street, and Specht & Sperry, Heed Building; E. Allen Reeves, Abbington, Pa.; W. John Stevens, Inc., Wyncote, Pa., are figuring.

**Residence**, Overbrook, Pa. Architects, McIlvaine & Roberts, Otis Building, Philadelphia. Owner, John McMullen, Overbrook, Pa. Hollow tile and stucco, 2½ stories, 23x77 feet, stone foundations, slate roof, oak and pine floors, metal lath, dampproofing, iron work, electric lighting, tile work (heating reserved). Architects have received bids.

**Arbor and Wading Pool**, Bryn Mawr, Pa. Architect, Thomas W. Sears, 1424 Walnut street, Philadelphia. Owner, Stanley Flagg,

Jr., Bryn Mawr, Pa. Concrete, 25-foot diameter, waterproofing. Architect taking bids due as soon as possible. H. H. Burrell, 206 South Quince street, is figuring.

**Post Office**, Lewistown, Pa. Acting Supervising Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, United States Government, Treasury Department, Washington, D. C. Stone, granite, brick and reinforced concrete, terra cotta, stone foundations, composition and slate roof, mill work, plastering, hardware, steam heat, electric lighting, plumbing, slate and marble work, sheet metal work. Owners taking bids due November 20th. Plans may be secured from office of architect or custodian of site.

**Residence and Garage**, Penfield, Pa. Architect, Richard R. Neely, 1619 Chestnut street, Philadelphia. Owner, D. Ridgway Evans, Beechwood, Pa. Stone and stucco, 2 stories, 30x35 feet, and 2 stories, 20x22 feet, shingle roof, oak and cement floors, hot water heat, electric light, tile work, metal weatherstrip. Owner is ready for sub-bids.

**Assembly Room, Billiard Room, Solarium, Work Shop, Wash Rooms, Dressing Rooms, Toilets, etc.**, Eaglesville, Pa. Architect, Louis

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Levi, Real Estate Trust Building, Philadelphia. Owner, Eaglesville Sanatorium for Consumptives, Jerome H. Louchheim, secretary of Building Committee, Franklin Bank Building, Philadelphia. Frame, 2½ stories, 68x80 feet, shingle roof, steam or hot water heating, electric lighting, stone foundations, tile work, maple and pine floors, plumbing, hollow metal skylights. Owners ready for bids.

**Residence**, Ardmore, Pa. Architects, McIlvaine & Roberts, Otis Building, Philadelphia. Owner, Major R. E. Norton, Ardmore, Pa. Stone, 2½ stories, slate roof, oak floors, hot water heating, electric lighting, tile work. Plans about completed. Ready for bids.

**Bungalow**, Gratersford, Pa. Architects, Durham-Banville Co., 1323 Walnut street, Philadelphia. Owner, Girardian Club, care of Walter Ulrich, president, 5821 Ashland avenue, Philadelphia. Frame, 1½ stories, 20x42 feet, shingle roof, maple floors, compoboard partitions, electric lighting, stone foundations. Plans in progress.

**Residence (alts.)**, Lansdowne, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, name withheld. General interior alterations. Architects taking approximate bid from J. Sims Wilson Co., 1125 Brown street, Philadelphia.

**Residence (alts.) to Apartments (5)**, Sharon Hill, Pa. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, name withheld. Changing partitions, pine floors, steam heat extension, electric lighting, tile work, plumbing. Owner ready for bids.

**Residence**, Wynnefield, Pa. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, name withheld. Hollow tile and stucco, 2½ stories, 26x60 feet, slate roof, oak floors, stone foundations, hot water heat, electric light, tile work. Architect will be ready for bids in two weeks.

**Bungalows and Garages (2)**, Oak Lane, Pa. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, M. C. Furstenau, 308 Walnut street, Philadelphia. Hollow tile and plaster, 1½ stories, 28x55 feet, and 1 story, 24x28 feet, slate roof, hardwood and cement floors, hot water heat, electric lighting, tile and marble work. Architect will be ready for bids in a week.

**Residence**, Bywood, Pa. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, Frank Durr, 2218 South Lee street, Philadelphia. Frame and stucco, 2 stories, crushed slate on asphalt roof, pine floors, stone foundations, hot water heat, electric lighting, tile work. Owner will be ready for bids in a week.

**Twin Residence**, Nineteenth and Franklin streets, Reading, Pa. Architect, Calvin Young, 520 Washington street, Reading, Pa. Owner, J. U. Fehr and G. Flatt, Reading, Pa. Brick, 2½ stories, 40x90 feet, stone foundations, asbestos shingle roof, hardwood floors, electric light, tile work (heating reserved). Plans in progress.

**Theatre (alts.)**, Tenth and Spring streets, Reading, Pa. Architect, Calvin Young, 520 Washington street, Reading, Pa. Owners, S. Liebovitz & Son, 75 Leonard street, New York. Brick, metal lath, elevators, steel fire escapes, heating extension (cement work reserved). Plans in progress.

**Hotel and Garage (alt.)**, Sixth and Cherry streets, Reading, Pa. Architect, G. L. Gerhard, 619 Penn street, Reading, Pa. Owner, American Auto Club, care of Mr. Haslam, City Hotel, Reading. Brick, composition roof, hardwood floors (plate glass reserved). Plans in progress.

**Hotel (alts.) to Bank**, Eighth and Ninth street, Reading, Pa. Architect, A. F. Smith, 1029 Penn street, Reading, Pa. Owner, Penn Trust Co., care of architect. Irregular size,

hardwood floors, electric lighting, tile and marble work, terra cotta work, bank fixtures. Plans in progress. Architect ready for bids.

**Garage**, Fourth and Cherry streets, Reading, Pa. Architect, Calvin Young, 520 Washington street, Reading, Pa. Owner, Flicker Estate, care of Earl Flicker, Fourth and Penn streets, Reading. Concrete, 2 stories, 90x90 feet, concrete foundations, concrete roof, concrete floors, hot water or steam heating, electric lighting, gasoline storage system. Architect will take bids in 1 week.

**Church (alts. and add.)**, Port Carbon, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Grace Evangelical Lutheran Church, care of Rev. A. A. Roch, on premises. Frame, 1 story add., slate roof, cement floor, new front, new plumbing. Architect ready for bids.

**Store (alts. and add.)**, Wyomissing, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Textile Machine Works, Reading, Pa. Frame, 1 story, 26x30 feet, composition roof, wood floors, vacuum vapor heating, electric lighting, elevators. Owners are building.

**Post Office (alts.)**, Chester, Pa. Architect, James A. Wetmore, sup. architect, Treasury Department, Washington, D. C. Owner, United States Government, Treasury Department, Washington, D. C. General interior and exterior alterations. Owners ready for bids due November 24th at 3 P. M.

**Residence**, Tyrone, Pa. Architects, Magaziner and Eberhard, 603 Chestnut street, Philadelphia. Owners, W. B. Woodbridge, Tyrone, Pa. Brick, 2½ stories, 40x50 feet. Plans in progress.

**Garage**, Phoenixville, Pa. Architects, Tilden & Register, Franklin Bank Building, Philadelphia. Owners, Valley Hills Farm, Phoenixville, Pa. Corrugated iron, 2 stories, 60x32 feet, wing 24x44 feet, shingle roof,

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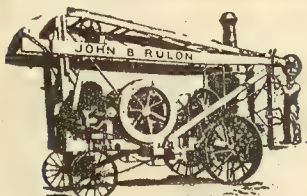
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cement and pine floors, metal lath, stone foundations, iron work (heat and electric light reserved). Architects taking bids due October 30th. E. R. Hall, Middle City Building; J. Sims Wilson Co., 1125 Brown street, and Wills-Ludwick Co., 1708 Sansom street, are figuring.

**Bridge**, over North Branch of Susquehanna River at Laceyville, Wyoming County, Pa. Architect, William B. Paxson, Wilkes-Barre, Pa. Owners, State of Pennsylvania, care of Superintendent of Public Grounds and Buildings, Capitol Building, Harrisburg, Pa. Stone, steel and concrete. Owners taking bids due November 11th at 2 P. M. Plans may be secured from T. W. Templeton, Superintendent of Public Grounds and Buildings, Harrisburg, Pa.

**Twin Residence**, Noble, Pa. Architect, private plans. Owner, care of Edw. W. Niederer, Jenkintown, Pa. Stone and frame, 2½ stories, 40x45 feet, shingle roof, pine floors, stone foundations, electric lighting, heating undecided. E. Allen Reeves, Abington, Pa., is taking sub-bids due as soon as possible.

**Store**, Lancaster, Pa. Architect, E. C. Urban, Woolworth Building, Lancaster, Pa. Owner, Leopold Gauss, Lancaster, Pa. Brick, 4 stories, 32x245 feet, stone foundations, slag roof, maple floors, steam heat, electric light, tile work, store fixtures, elevators, roof ventilators, plate glass. Plans in progress.

**Garage**, Annville, Pa., Architect, E. C. Urban, Woolworth Building, Lancaster, Pa. Owner, A. S. Kreider, on premises. Stucco and brick, 1 and 2 stories, 83x48 feet, stone foundations, tile roof, cement floors, hot water heat, electric light, conservatory outfit, laundry equipment, gasoline storage system. Plans in progress.

**Residence**, Annville, Pa., \$100,000. Architect, E. C. Urban, Woolworth Building, Lancaster, Pa. Owner, Congressman A. S. Kreider, Annville, Pa. Stone or stucco, 3 stories, 60x120 feet, tile roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress.

**Hotel (alts. and add.)**, North Queen street, Lancaster, Pa. Architect, H. Y. Shaub, Imperial Building, Lancaster, Pa. Owner, Mr. Schlotzhauer, Green and Christian streets, Lancaster, Pa. Brick and concrete, 4 stories, 100x150 feet, concrete foundations, slag roof, wood floors, steam heat, electric light, tile and marble work, general interior alterations, 2 elevators, roof ventilators, ornamental cornice, fire escapes. Plans in progress.

**Apartment (alts. and add.)**, North Duke street, Lancaster, Pa. Architect, H. Y. Shaub, Imperial Building, Lancaster, Pa. Owner, Dr. Stein, care of architect. Brick, hardwood floors, tile and marble work, fire escapes, general interior work, plastering, plumbing, heating extension. Plans in progress.

**Factory**, Littitz, Pa. Architect, H. Y. Shaub, Imperial Building, Lancaster, Pa. Owner's name withheld; care of architect. Concrete and brick, 2 stories and basement, 40x107 feet, slag roof, concrete and wood floors, steam heat, electric light, rolled steel sash, fire doors, roof ventilators, elevator. Plans in progress.

**Store (alts.)**, Market street, York, Pa. Architect, R. A. Stair, Guardian Trust Building, York, Pa. Owner, James McLean & Sons, Market street, York, Pa. Hardwood floors, plate glass, store fixtures. Owner taking general bids.

**Residence**, Columbia Pike, Lancaster Co., Pa. Architect, H. Y. Shaub, Imperial Build-

ing, Lancaster, Pa. Owner, Dr. C. G. Gable, Woolworth Building, Lancaster, Pa. Brick, 2 stories, 45x28 feet, stone foundations, slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Architect has received bids.

**Factory**, York, Pa. Architect, J. B. Hamme, City Bank Building, York, Pa. Owners, Otto Eisenlohr's Bros., 932 Market street, Philadelphia. Brick and reinforced concrete, 3 stories and basement, 88x175 feet, concrete roof, concrete and maple floors, steam heat, electric light, plumbing, hollow metal sash and skylights, iron stairs, elevators. Architect taking bids, due November 1st. S. F. Gladfelter, York, Pa.; Menough & Sons, York, Pa.; R. H. House, 105 North Fortieth street, New York, are figuring.

**Factory**, Second and Coral streets, Lancaster, Pa. Architect, H. Y. Shaub, Imperial Building, Lancaster, Pa. Owners, Benner Mfg. Co., care of D. W. Lynch, on premises. Brick and stone, 3 stories, 52x100 feet, stone foundations, slag roof, concrete and wood floors, steam heating, electric lighting, rolled steel sash, fire doors, fire escapes, elevators. Architect taking bids.

**Tobacco Sweat House and Boiler Room**, Lancaster, Pa. Architect, J. B. Hamme, City Bank Building, York, Pa. Owners, Eisenlohr Bros., 932 Market street, Philadelphia. Brick, concrete and steel, 1 story and basement, 115x130 feet, slag roof, concrete floors, steam heat, electric light, hollow metal sash and doors, roof ventilators, 2 iron stairways. Plans in progress. Architect will take bids about November 1st.

**Hospital (add.)**, Front street, Harrisburg, Pa. Architect, M. I. Kast, Commonwealth Building, Harrisburg, Pa. Owner's name withheld, care of architect. Brick, 3 stories and basement, 40x100 feet. Preliminary plans in progress.

**Double Residence**, Green street, Harrisburg, Pa. Architects, M. I. Kast & Thomas Kelker, Commonwealth Building, Harrisburg, Pa. Owner, C. D. Hime, 238 Woodbine avenue, Harrisburg, Pa. Brick and stucco, 2 stories, 50x45 feet, stone foundations, shingle roof, hardwood floors, steam heat, electric light. Plans about completed. Architect will be ready for bids in ten days.

**Warehouse and Station**, Fourteenth and Howard streets, Harrisburg, Pa. Architect, C. P. Lappley, 206 Market street, Harrisburg, Pa. Owners, United Ice & Coal Co., Forster and Dowden streets, Harrisburg. Fireproof, 2 stories, 206x130 feet, concrete foundations, composition roof, cement floors, electric light, hollow metal sash, fire doors. Owners ready for bids.

**Residences (6)**, Emerald street, Harrisburg, Pa., \$20,000. Architect, C. P. Lappley, 206 Market street, Harrisburg, Pa. Owner, C. G. Fickes, 16 South Second street, Harrisburg, Pa. Brick and stucco, 2 stories, 14 feet 10 inchesx45 feet, stone foundations, slag and asbestos roof, pine floors, steam heat, electric light, tile work. Owner taking general and sub-bids. F. L. Morrow, Riverside, Harrisburg, Pa., is figuring.

**Garage**, Lancaster, Pa. Architect, E. C. Urban, Woolworth Building, Lancaster, Pa. Owner, Wm. Bidlack, Lancaster, Pa. Brick, 2 stories, 30x30 feet, concrete foundations, slate roof, cement and wood floors, hot water heat, electric light. Owner is building.

**Residence and Garage**, Marple Heights, Pa. Architect, Conrad B. Neff, Otis Building, Philadelphia. Owner, W. H. Lescher, 5306 Larch-

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wood avenue, Philadelphia. Brick and hollow tile, 2½ stories, 28x40 feet, garage in basement, slate roof, hardwood and cement floors, hot water heat, electric light. Architect taking bids, due in a week. Herbert G. Campion, Otis Building, Philadelphia, and George C. Shadel, Newtown Square, Pa., are figuring.

**Assembly Room, Billiard Room, Solarium, Work Shop, Wash Rooms, Dressing Rooms, Toilets, etc.,** Eaglesville, Pa. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owners, Eaglesville Sanatorium for Consumptives, care of Jerome H. Loughheim, secretary of Building Committee, Franklin Bank Building, Philadelphia. Frame, 2½ stories, 68x80 feet, shingle roof, steam or hot water heat, electric light. Owners taking bids. Lam Building Co., 1001 Wood street, and P. M. Sax, Franklin Building, Philadelphia, are figuring.

## PENNSYLVANIA

### Contracts Awarded

**Residence,** Glenside, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Davis Page Smith, Glenside, Pa. Hollow tile, 2 stories, 23x42 feet, shingle roof, oak floors, stone foundations, vapor heating, electric lighting, tile work. Contract awarded to Albert Zellfelder, 151 South Broad street, Philadelphia.

**Mill Building,** Reading, Pa. Architect, Muhlenberg Bros., 511 Penn street, Reading, Pa. Owner, Carpenter Steel Co., care of Mr. Kuhnhardt, Reading, Pa. Brick, steel and concrete, 1 story, 140x280 feet, composition roof, electric lighting, hollow metal sash. Contract awarded to Reading Const. Co., Reading, Pa.

**Store Front and Service Station,** Reading, Pa. Architect, Calvin Young, 520 Washington street, Reading, Pa. Owner, George H. Beecher, 228 North Fifth street, Reading, Pa. Steel, reinforced concrete, 2 stories, 28x84 feet, concrete foundations, slag roof, concrete and wood floors, steam heating, electric lighting, tile work, plate glass, hollow metal skylights, roof ventilators. Contract awarded to W. Gaul, Reading, Pa.

**Residence (alts.) to Apartment,** Gettysburg, Pa. Architect, R. A. Stair, Guardian Trust Building, York, Pa. Owner, George W. Rex, Gettysburg, Pa. Brick, 3 stories, 28x42 feet, slag roof, hardwood and concrete floors, vapor heat, electric light, new plumbing. Contract awarded to J. H. Weikert, York, Pa.

## NEW JERSEY

### Construction News

**Residence (alts. and add.),** Moorestown, N. J. Architect, Robeson Lea Perot, 5333 Germantown avenue, Philadelphia. Owner, E. L. Burns, Moorestown, N. J. Brick, 2 story add., 20x25 feet, shingle roof, stone foundations, heating and lighting extensions. Owner is taking bids.

**Residences (6),** Camden, N. J. Architect, private plans. Owner, name withheld. Brick, 2 stories, 15x39 feet, slag roof, pine floors,

**Twin Residence,** Conshohocken, Pa. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, C. A. Desimon, care of architect. Brick, 2½ stories. Plans in progress. Too early for details.

**Residence and Garage,** Drexel Hill, Pa. Architects, MacKenzie & Wiley, Liberty Building, Philadelphia. Owner, Walter L. Murphy, Sixteenth and Fitzwater streets, Philadelphia. Hollow tile and plaster, 2½ stories, 28x40 feet. Garage, 1 story, frame and plaster, 13x21 feet, shingle roof, hardwood and cement floor, hot water heat, stone foundations, electric light, tile work. Architects taking sub-bids.

**Residence,** Kirklyn, Pa. Architect, J. S. Fuller, 5539 Delancey street, Philadelphia. Owner, C. Stokes, care of architect. Frame, 2½ stories, 28x48 feet, shingle roof, oak floors, hot water heating, electric lighting, tile work. Architect ready for sub-bids.

**Garage,** Grant and Christian streets, Lancaster, Pa. Architect, H. Y. Shaub, Imperial Building, Lancaster, Pa. Owners, Clergyman's Beneficial Association, care of architect. Brick, 2 stories and basement, 42x100 feet, concrete foundations, concrete and slag roof, concrete floors, steam heating, electric lighting, rolled steel sash, elevators, gasoline storage system. Contract awarded to Joseph P. Brennenman, Lancaster, Pa.

**Laboratory (add.),** Bethlehem, Pa. Architects, Furness Evans & Co., Franklin Bank Building, Philadelphia. Owners, Lehigh University, Bethlehem, Pa. Stone and concrete, 3 stories, 44x60 feet, slate roof, concrete floors, steam heating, electric lighting. Contract awarded to Benedict Birkel, 106 East Fourth street, Bethlehem, Pa.

**Residence (alts.),** Lansdowne, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner's name withheld. General interior alterations. Contract awarded to J. Sims Wilson Co., 1125 Brown street, Philadelphia.

**Theatre Building,** Allentown, Pa. Architects, Hoffman Henon, Inc., Finance Building, Philadelphia. Owners, Wilmer & Vincent Theatre Co., 33 West Forty-second street, New York City. Brick, 3 stories, 120x150 feet, slag roof, pine floors, metal lath, stone foundations, hot water heat, electric light, tile and marble and terrazzo work. Contract awarded to Ochs Const. Co., Allentown, Pa.

stone foundations, hot water heat, electric light. Barclay White & Co., 1713 Sansom street, are taking sub-bids due as soon as possible.

**Boardwalk,** Seaside Park, Ocean County, N. J. Consulting engineers, Remington & Vosbury, 610 Market street, Camden, N. J. Owner, Borough of Seaside Park, care of Aaron Wilbur, Borough Clerk, Seaside Park, N. J. Lumber, about 380,000 feet 2x6 inches,

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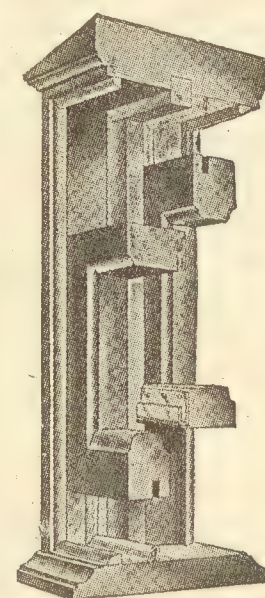
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2x8 inches and 3x12 inches, and construction work of laying 8,400 feet of boardwalk. Owners taking bids due November 1st at noon. Plans and specifications may be obtained from clerk or engineer's office, Camden, N. J. Deposit, \$10.00. Refund, \$5.00. Robbins Cont. Co., 1137 North Front street, Philadelphia, figuring.

Residence, Wenonah, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, W. C. Veitch, Collingswood, N. J. Frame and rough cast, 2½ stories, 35x45 feet, shingle roof (heating and lighting undecided). Plans in progress.

Residence, Berlin, N. J. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owners, William B. Knight, Camden, N. J. Brick, 2½ stories, 26x36 feet, slate roof, electric lighting. Plans completed.

Office Building, Camden, N. J. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owner, name withheld. Brick, stone and steel, 2 stories, 30x42 feet, slag roof, steam heat, electric lighting. Architect will be ready for bids in a week.

Garage, West street, Trenton, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owner, Mr. T. Miller, West street, Trenton, N. J. Brick, 1 story, 25x100 feet, slag roof, cement floors, steam heat, electric light, terra cotta partition, gasoline storage system. Plans in progress.

Garage, Front street, Trenton, N. J. Architect, W. Klemann, First National Bank Building, Trenton, N. J. Owner, Alex. Klenkovostein, North Eighth street, Trenton, N. J. Brick, 1 story, 30x100 feet, stone foundations, slag roof, cement floors, steam heat, electric light, rolled steel sash. Architect taking bids, due as soon as possible. James Morris, C. J. Smith, Fred Parker, Stephen Diekneit, Wm. Ivins, and E. Klemann, all of Trenton, N. J., are figuring.

Church, Woodbury Heights, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owners, St. Peter's P. E. Church, care of E. W. Allen, treasurer, Woodbury Heights, N. J. Brick, 1 story, 25x76 feet, brick foundations, asbestos shingle roof, maple floors, electric light. Architect taking bids, due November 8th. Charles C. Thurlow, Mantria avenue, Gloucester, N. J., and J. M. Yardley, 1716 Sansom street, Philadelphia, are figuring.

Residence, Morris Plains, N. J., \$11,000. Architect, F. H. Bent, State Capitol, Trenton, N. J. Owners, New Jersey State Hospital for Insane, care of Dr. Evans, on premises. Hollow tile, stucco, 2 stories, 31x31 feet, concrete foundations, slate roof, hardwood floors, electric light. Architect taking bids, due November 7th. J. A. Lindstrom, Morristown, N. J.; J. J. Lyons, Morris Plains, N. J., and H. W. Gardner, Water street, Trenton, N. J., are figuring.

**New Jersey  
Contracts Awarded**

Garage, Woodbury, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, E. H. Davis, Woodbury, N. J. Frame and rough cast, 1 story, 21x22 feet, shingle roof, cement floor, electric lighting. Contract awarded to Charles T. Thurlow, Woodbury, N. J.

Stacy Trent Hotel, West State and Willow streets, Trenton, N. J. Architect, Eisenwein

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Johnson, Buffalo, N. Y. Associated architects, J. O. Hunt and W. A. Klemann, Trenton, N. J. Owners, Hotel Realty Co., care of L. L. Woodward Co., Trenton, N. J. Brick, concrete and steel, 12 stories, 100x214 feet, steam heat, composition roof, concrete foundations, electric light, tile, marble and terrazzo work, hollow metal sash and skylights, fire and kalamein doors, fire escapes, iron stairs, 6 elevators, roof ventilators, metal window guards, metal weather strips, metal ceilings, waterproofing, dampproofing, wire work, ornamental iron work. Contract awarded to Amsterdam Building Co., 140 West Forty-second street, New York.

## Delaware Construction News

**Office Building**, Wilmington, Del. Architects, Dennison & Hiron, 475 Fifth avenue, New York City. Owners, A. I. DuPont, Delaware Trust Co., Wilmington, Del. Brick, concrete, steel and terra cotta, 13 stories, 72x207 feet, built-up roof, composition and terrazzo floors, metal lath, safety treads, dampproofing, concrete foundations, tile and marble work, hollow metal sash, copper skylights, kalamein doors, iron stairs, iron work (heating, electric work and elevators reserved.) Architects have received bids.

**Residences (18) and Garages (18)**, Twentieth and Washington streets, Wilmington, Del. Architect, W. E. Hance, 1619 Chestnut street, Philadelphia. Owner, John Covatos, Tenth and Shipley streets, Wilmington, Del. Brick, hollow tile and stucco, 2 stories, 16x45 feet, slag and slate roof, oak floors, hot water heat, electric lighting. Owner will take sub-bids.

**Church**, Wilmington, Del. Architect, W. E. Hance, 1619 Chestnut street, Philadelphia. Owner, McCabe Memorial Methodist Episcopal Church, care of Rev. Williams, Wilmington, Del. Stone and terra cotta, 1 story, 52x62 feet, slate roof, wood floors, steam heat, electric lighting. Plans in progress.

## Miscellaneous Construction News

**Barn**, Town Point, Md. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Dr. J. Norman Henry, Town Point, Md. Frame, 1 story, 75x95 feet, shingle roof, concrete floors, electric lighting. Plans in progress.

**Inn**, Cornwall-on-the-Hudson, N. Y. Architect's associate, James Russel Harris, 1123 Broadway, New York City, and Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, R. Stillman, care of J. R. Harris, New York City. Frame, 2 stories, 40x90 feet. Preliminary plans in progress.

**Residences (35)**, Cornwall-on-the-Hudson, New York. Architect's associate, James Russell Harris, 1123 Broadway, New York City, and Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Allied Industries Adv. Co., 470 Fourth avenue, New York City. Frame, 2 stories, 25x35 feet. Plans in progress. Too early for details.

**School, Gymnasium and Electric Plant**, Jarrettsville, Md. Architect, J. B. Hamme, City Bank Building, York, Pa. Owners, Harford County School Com., care of C. M. Wright, superintendent, Bel Air, Md. Brick

and hollow tile, 1 story, 8 rooms, 130x205 feet, Domestic Science equipment. Preliminary plans in progress. Too early for details.

**School**, Bel Air, Md. Architect, J. B. Hamme, City Bank Building, York, Pa. Owners, Harford County School Com., care of C. M. Wright, superintendent, Bel Air, Md. Interior work, new plumbing. Owners taking bids.

## Proposals

### INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 21, 1919.—Sealed proposals will be received at this office until 3 P. M. November 18, 1919, and then opened, for remodeling at the United States Post Office and Custom House, Fall River, Mass., in accordance with the specifications and drawings mentioned therein, copies of which may be had at this office or at the office of the custodian, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 20, 1919.—Sealed proposals will be opened in this office at 3 P. M. November 20, 1919, for furnishing materials for the construction of the United States Post Office at Lewistown, Pa., including materials for concrete, reinforced concrete, stone, granite, brick, structural terra cotta, structural steel, miscellaneous iron and steel work, composition roofing, slate roofing, sheet metal work, skylights, plastering, interior marble, sanitary slate, lumber, millwork, painting, glazing, hardware, plumbing, heating, electric work, etc., in accordance with drawings, specifications and bills of quantities attached thereto, copies of which may be obtained from the custodian of the site at Lewistown, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 20, 1919.—Sealed proposals will be opened in this office at 3 P. M. November 20, 1919, for furnishing the labor required in the construction complete, with materials that will be furnished by the Government, of the United States Post Office Building at Lewistown, Pa. Drawings and specifications may be obtained from the custodian of the site at Lewistown, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Oct. 24, 1919. Sealed Proposals will be opened in this office at 3 P. M., November 24, 1919, for remodeling the United States Post Office Building at Chester, Pa. Drawings and specifications may be obtained from the Custodian of the building at Chester, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.



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## PERSONAL NOTES

John A. Goodearl, Captain of Engineers, has recently been discharged from the U. S. Army.

He will manage the Philadelphia District for the General Fireproofing Co., of Youngstown, Ohio.

Before going overseas, Captain Goodearl was officer in charge of purchasing structural steel in the Construction Division, Washington, D. C.

Henry L. Reinhold, Jr., & Ralph A. Land, architects, formerly of 1309 Walnut street, have moved to the third floor of 1513 Walnut street. Bell telephone, Spruce 3693.

To be poor in a wealthy country, to be sick in a good climate, to be inefficient among a progressive people, is a sign of unwise educational methods. Such people were not taught to battle with the world or meet life's emergencies.—Thoreau.

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(Continued from Page 672.)

conditions at a greater distance from the ground. There is an element of risk in every lift. While the derrick may have been tested throughout and proven safe, an accident may be caused by a bridge-man making one careless hitch on a load of beams.

The appliances for erecting steelwork have been developed and increased greatly during the past twenty years and erection is relatively much more safe. Nevertheless, many new difficulties have arisen. The average weight of pieces to be handled has greatly increased while certain limiting features have remained unchanged, such as track clearances and gage. A girder may increase in weight but the derrick car that handles it must run on and be supported by the same track as previously. This increased weight has had one benefit. Heavy members cannot be juggled and handled in any manner that the foreman desires. The equipment can be designed to handle these in only a few ways and the foreman must be governed accordingly. Therefore, the work is likely done as the design of the equipment contemplates and with corresponding safety.

Accidents are divided into two classes: real and preventable. Real accidents are those which occur through no neglect on the part of the workmen or the employer which could reasonably be expected to be foreseen and prevented. Preventable accidents are those which could have been avoided, had either of the men or those in authority over them exercised the proper amount of vigilance. It is conceded that well over half of all accidents are preventable and the proportion is probably higher.

We are, of course, concerned with both classes of accidents, but particularly with those that can be prevented. There is no question about the desirability of preventing accidents. The problem is how to accomplish it.

Preventable accidents may be divided into three classes:

1. Accidents due to workmen themselves by reason of being physically incapacitated: ignorant, inexperienced, intemperate, careless or reckless, acting the fool, or actual disobedience.

2. Accidents due to foremen:

Improper selection of men placed in charge of work or doing the work.

Inadequate instruction to workmen.

Putting men or allowing them to go into dangerous places unnecessarily.

Lack of vigilance and orderliness on the work.

Failure to investigate questions of safety made by workmen.

3. Accidents due to superiors: by reason or improper selection of foremen, safeguards, equipment for doing the work and instructions regarding its use.

It is believed that the greatest difficulty is with the men themselves. Construction companies long ago recognized the necessity of having proper equipment, and that phase of the situation is in relatively good shape.

The foreman, while still skeptical as to the value of certain expedients for safety, can be educated more easily as they form a small class, and as their tenure of employment depends on the results they produce it isn't hard to impress them with the effect of accidents on their work. It isn't so easy to get them to enforce safety methods. The conditions on a job are changing rapidly and the foreman is crowded to make time. He cannot do everything and naturally devotes his time to things that speed the work and affect the direct cost. Only constant pressure on the question of safety, and using every accident to point out the neglect of foremen or men will bring results.

The workmen are by nature and training a daring class of men and instinctively feel that their courage and skill is question when they are asked to comply with many of the expedients for safety. However, they can and must be educated to take proper precautions to protect themselves and their fellow-workmen. Bulletins, notices, and placards of various kinds containing written and illustrated cautions and effects of neglect are very good. Our company, in 1910, issued a book to its foremen containing instructions and cautions for the prevention of accidents. We also started at that time to post a bulletin with certain of the most common faults of workmen and how to avoid them. A small copy of this bulletin is handed to each bridgeman whom we employ. It contains, several short paragraphs, as follows:

*Don't Be Reckless.* More accidents occur through recklessness than any other cause. Don't walk on rods. Don't ride a load. Don't ride on a locomotive crane.

*Don't Be Careless.* Look where you step, and be sure that on what you step is safe and secure. Don't step on ends of loose plank. Don't start to slide down a line unless you are sure the ends are fastened.

*Be Orderly.* Do whatever you do in an orderly, careful manner. Pile material so that it cannot roll, fall, tumble, or be blown over. Don't let tools or equip-

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ment such as bolts, nuts, drift pins, blocks, dolly bars, etc., lie around so that they can be knocked off the work or so that anyone can fall over them.

*Unfit Condition.* Don't go to work if you have been drinking or do not feel well. If you are lame or have any defect in hearing or eyesight you should not work at this business, as by so doing you endanger your own and fellow workmen's lives. If you are inexperienced in, or unsuited for the work to be done, don't undertake it.

*Be Vigilant! Watch What You are Doing.* Don't stand or work under a load. Don't go in the "sight" of a line nor stand in front of a snatch block. Don't work on or about a crane runway when the crane is in use unless there is a stop between you and the crane.

*Don't Use Unfit Tools.* Be sure the tools and equipment you use are in good working order. If they are not, don't use them.

Don't work with men who don't observe these rules.

The first requirement for safety in erection is to have the proper equipment. Foremen and workmen cannot be expected to take the necessary precaution if they are not provided with proper equipment. It must be kept in good condition by constant attention on the job and by overhauling at the completion of the job if necessary.

Some of the principles observed by our company regarding equipment are:

1. Use no wooden travelers or derricks, except very light derricks and jinnywinks.

2. All castings in erection equipment carrying any strain to be made of steel. We make all of our sheaves for cable blocks, except small blocks for  $\frac{5}{8}$ -inch cable, of steel. All castings when bending strains are encountered are made of vanadium steel. Vanadium insures a more uniform casting and tends to eliminate blow holes.

3. Forgings of importance such as the headblock of a derrick car are made of nickel steel.

4. Use the very best manila lines.

5. Use cable slings, instead of chains. Very important.

6. Automatic brake in addition to mechanical brake on all electric hoists.

In the erection of ordinary work the equipment provided, if it is of the best quality, is amply strong for the purpose. It simply requires proper handling and reasonable care.

For the heavier classes of work, heavy and frequently special equipment must be used. This equipment requires good

designing and the best materials. Good designing implies a thorough knowledge of how the equipment is to be used, and the provision for all reasonable uses to which it may be put. It is the duty of the foreman, after being properly instructed, to see that the equipment is put to no uses for which it was not intended unless necessary, and then only after proper investigation by an engineer.

Erection equipment should be so designed as to make all stresses as determinate as possible. Even then the many positions in which a load can and will be handled will produce more varied strains and conditions than occur in bridges or other permanently fixed structures. Be sure that all stresses and combinations of stresses are fully cared for. Then, not only make the main members strong enough but pay especial attention to details. Most failures in erection equipment are primarily due to poor details. Booms, with light lacing or lacing improperly detailed are common. Poor detailing often produces very great bending stresses that are ignored.

Erection equipment should be most carefully inspected during its manufacture and test reports required for steel castings, all alloy metals, and steel cables. The assembling and erection of a traveler or heavy derrick should be carefully done to insure that no stresses are introduced by improper alignment. This is extremely important. Booms and traveler hoists should be tested, with gradually increasing loads before using them to full capacity. While in use they should be inspected frequently to see that no weaknesses have developed through wear or other means, and that the equipment is working as designed.

Instructions should be issued as to just how equipment on heavy work is to be used and nothing left to chance. A movement of a very short distance in the setting of a traveler or in the radius of a heavy boom may be perfectly safe as far as the equipment itself is concerned, but may endanger the falsework or the permanent structure.

In the erection of falsework, great care and an accurate knowledge of conditions is necessary. Timber should be carefully inspected and none but of good quality used. In case mudsills are used, examine the soil carefully and provide sufficient mudsills to support the load with ample safety.

The matter of bracing the falsework bents themselves, their connection by bracing and struts, and the fastening of the end bents to the piers or abutments so as to prevent any longitudinal move-

ment of falsework, are all points where too much care cannot be exercised.

Following are some cautions that if followed will prevent many of the accidents in steel erection:

1. Select the proper man for the particular task in hand.

2. Do not order men to work in unnecessarily dangerous places, and be on the alert to see that they do not run unnecessary risks of their own volition.

3. Do not allow the men to work on corrugated iron roofs or steel when there is a coating of ice thereon.

4. Walking on rods, riding loads or locomotive cranes, sliding down lines without inspecting the fastening, standing in the bight of a line or in front of a gate block, are all unnecessary risks and should not be permitted.

5. Do not permit men to work about crane runways without placing an effective stop between the men and the traveling crane, and see that the electric wires are properly insulated.

6. Require the rivet boss to inspect carefully all riveting scaffolds. Improperly hung scaffolds have caused many serious accidents. Only the best materials should be employed. Clear spruce is the best.

7. Pipe used as needle beams should not be spliced.

8. All scaffold plank should have a stop bolt about 6 inches from each end to prevent it from slipping off the needle beam and if the scaffold is inclined it should have cleats nailed on the plank. All scaffold material should be tested for twice the load it is expected to carry. Even this care will not suffice unless the men are careful. This was demonstrated in a case where a riveting gang used their scaffold as a brace for an air buckup. The scaffold—amply strong for its purpose—broke under this sudden additional load and the men fell into the river.

9. On high bridge work, scaffolds should be provided with a railing. This is a requirement by law in some states.

10. Piling of material must be carefully watched, particularly with heavy work. Skide should be amply heavy and level, and the pilese not top heavy. Poor piling of materials is responsible for a large number of accidents.

11. When it is necessary for men to work above other men, put up a danger sign calling attention to the fact that men are working overhead.

12. Keeping small tools in condition will avoid many accidents.

13. Wearing of goggles while chipping is a necessary precaution, but one the men dislike to follow.



14. In the use of cable slings, inspect them frequently and keep them properly oiled, and in handling heavy loads pad the sharp corners to prevent cutting the cable—*National Safety Council*.

\* \* \*

#### THE DESIGN OF STEEL STRUCTURES

(Continued from Last Issue.)

**RESISTANCE MOMENTS.**—Where structural members are subject to flexural stresses economy may be obtained by distributing the material so as to produce the maximum modulus of section or radius of gyration (according to the utility of the member) relative to a given area. This economy is widely recognized; but taking, for example, the list of standard joist sections, it can be easily demonstrated that the compilers have not taken full advantage of this principle of economy in the use of materials. Now the basis of measurement of the comparative efficiency should take into consideration the area—or weight—resistant lever arm or depth, and the modulus section—that is to say, maximum efficiency will be attained when all the resistant factor are a maximum for any given sectional area, after due allowance has been made for limits of production.

A similar criticism may be applied to the inefficiency of our joist sections when used as struts. This has been recognized, probably, by the originator of the broad-flange beam; yet, although the latter type of beam has been in existence for many years; its use has not been encouraged.

It is very desirable that a more efficient range of joist sections should be obtainable, as under the present circumstances we are making a costly misuse of material and seriously jeopardizing our position in competing for international trade in structural work.

**UNIT STRESS.**—The proper use of materials so as to take advantage of the variable utility of constructive materials is generally understood. By way of illustrating this point reference may be made to reinforce concrete construction, in which a compound material composed of concrete (which is strong in compression and weak in tension) to resist the compressive bending stress, while the tensile bending stress is resisted by the steel reinforcement.

**SELECTION OF SECTIONS.**—The total number of sections in any given structure, particularly if speed of manufacture is essential, should be kept to a minimum, and theoretical considerations should be subordinated to practical necessity.

In locating the various members of a structure, or part of a structure, their position should be such that the centre of resistant action should coincide, for economic reasons, with the centre of action of the applied force. This principle

is often violated for practical purposes—for instance, to simplify the connection in fixing the position of the members of a roof truss. This departure is permissible, but where the effect is considerable, as a force-moment of serious magnitude may be created, due allowance should be made for its resistance. The principle is often violated also in the design of connections by locating the rivets or bolts in such a way that the resultant resistance force does not coincide with the applied force, with a similar result to that hitherto referred to.

**PRINCIPLE OF STATICS.**—A full consideration of the fundamental principles of statics is beyond the possibilities of this paper, but attention may be directed to those which are most often misapplied.

With regard to the variable distribution of stress, there are two theories regarding the exact nature of the variation, the straight-line theory and the parabolic

theory, the former being preferred owing to its simplicity, although the latter is probably more correct. The basis of the straight-line theory is that the cross-section of the beam simultaneously acts round two fulcra, one of which is in the plane of the outer compressed fibres and the other in the plane of the steel. The basis of the parabolic theory is that the fulcrum in the compressed half is situated at the centre of action of the area of concrete subject to compression, and not at the upper edge. The resistant lever arm is greater for any given section by the parabolic theory than by the straight-line theory, and as the area of the parabola is greater than the area of a triangle with similar base and height, the total resistance of the compressive area is also greater. It will be noted that the error in the straight-line theory is on the side of safety.—*The Architect and Engineer*.

## WINTER BUILDING THE ONLY ANSWER TO THE YEAR'S CONSTRUCTION DELAYS

### Concrete in Cold Weather Offers Strong Advantage to Owners

By A. E. WELLS, *President*, Wells Brothers Construction Co.

On the verge of winter, construction blocked in hundreds of cities, a shortage of many materials of construction and of labor and yet withal, an acute shortage of homes, offices, stores and in many cities, of office buildings, factories and warehouses—what is the answer?

The answer lies in winter construction, in proceeding with work during December, January and February, which have been normally "closed" months. Winter work is not new. It has been practiced for years, its safety adequately demonstrated, its economy proved. It should be more generally practiced.

Any owner who, through prosecuting work during cold weather, can get occupancy of factory or warehouse or can lease apartments, offices or store space on May 1, stands to gain far more than the added costs of winter work.

Not only the owner, but builder, engineer and architect, gain. There is financial loss to the contractor who breaks up his trained organization, only to build it again in the spring. New men must take time to accustom themselves to working together and owners pay the bill in increased costs. Architects' and engineers' offices are frequently idle through much of the winter. Building superintendents have nothing to do and owners pay for unproductive overhead.

Perhaps the best way then, to reduce the cost of building is to keep architects', engineers' and contractors' forces busy twelve months of the year.

#### WHY DOES CONSTRUCTION STOP IN WINTER?

Primarily the reason why building has been inactive is that concrete does not harden so rapidly when its temperature hovers near freezing. But we heat our homes, offices and stores and coal is a comparatively small operating cost. We are today able to enclose a structure, warm it with simple coke stoves, heat aggregates prior to mixing with Portland cement, and keep the concrete or mortar warm until hardening has occurred.

Without these precautions, cold weather work is impossible, but the precautions are simple and reasonably inexpensive. Why not do the logical thing and consider the winter as an open season for all but the most exposed class of construction.

Our organization has continued to lay brick and place concrete under zero temperatures even in the northern cities of Canada. A part of our normal equipment is sufficient tarpaulins to enclose practically any structure and sufficient salamanders or coke stoves to keep such enclosures warm. Boilers of any type, frequently those used to furnish steam for hoisting, supply live steam for heating aggregates and water and for thawing snow and ice from forms and reinforcing steel.

While a heavy snow may temporarily delay the delivery of materials, yet deep snow is seldom encountered. It is tem-



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*Builders' Guide* is preparing to play an important part in this great educational work. *Builders' Guide* is consistently improving in appearance, advertising, news and technical articles.

You will find this paper of ever increasing value to you. You will find advertising more productive of results than ever before.

Choose this time to begin the development of your business and begin it by making *Builders' Guide* the foundation of your advertising program.

### **Building News Publishing Company**

**Perry Building - Philadelphia**



perature alone that commonly hampers work, and temperature need not be feared.

#### PLANT LAYOUT FOR COLD WEATHER WORK.

In laying out a plant for handling concrete in winter, or where the work is likely to run on into winter before completion, there must be provision for the proper heating of materials and water. In case of sand and gravel in open storage piles, it is only necessary to lay a grid of steam pipes under the material piles and place a tarpaulin over the pile. From one main through the centre, branches should extend in both directions every six feet. These branches should be drilled with  $\frac{1}{8}$ -inch holes spaced about 18 inches apart. Several hundred yards of material stored in one pile can be heated in this way with the steam from an ordinary hoisting boiler. Several days prior to concreting, steam should be turned into the pile during working hours, which will be sufficient, except at times of extreme cold, to maintain the necessary temperature.

When material is stored in bins, a series of pipes should be laid on the floor of the bins, feeding from a main pipe at the top of the sloping floor. Steam radiates through the entire contents of the bin, and if a canvas cover is pulled over the top when work is stopped at night, the material will retain its heat, except in very cold weather, when a small amount of steam may be needed at night.

It is necessary also to heat mixing water and a steam line running directly into the water tank is the customary way; a one-inch line being sufficient to heat water for a one-yard mixer.

But concrete poured into forms exposed to cold would lose its heat before hardening had progressed sufficiently. Forms must, therefore, be protected and the most satisfactory means is a complete canvas enclosure, with salamanders or coke stoves to maintain a temperature of 45 degrees or over, within. Several hours before concrete is poured, salamanders are started in the story below the forms, unless that story is already heated. Immediately after pouring, a sufficient number of salamanders are placed above the new concrete to insure its safe and thorough hardening. These will furnish heat for the floor above.

This method of enclosure and heating necessitates that the form work for the floor above that being poured shall be in place, in order to serve as a roof under which concrete may be kept warm; although in the case of steel frame structure, it may be possible to support canvas upon the steel because of the floor above.

Forms for the story above are supported as usual, upon posts, but since the floor slab of the story supporting these posts is not yet poured, it is customary to set the posts upon concrete blocks of the proper depth, so that upon pouring the block becomes a part of the finished floor. This requires setting blocks to grade and finishing their upper surface.

It is, of course, necessary that the workmen be watched somewhat more carefully on winter work. Snow or ice in the forms is detrimental to good work. Careful inspection is necessary at every stage of the work, but slipshod methods are probably no more likely to affect quality in winter than in summer.

Where the enclosure in canvas is comparatively complete, workers operate at practically normal efficiency, but there are some delays likely to occur through slow delivery of materials during periods of snow. Yet the added costs are more than compensated for by the certainty of quicker occupancy and reduction of interest on money tied up in the incompleting building. It would seem folly to cease work on a structure where there is need of early use.

The urgent need of enforcing regulations directing the proper use of materials in building construction is again strikingly shown in the second annual report of the State Fire Marshal of Oregon, who gives the following as a record of defects found by the Oregon State inspectors during the year ending March, 1919:—

|                                               |     |
|-----------------------------------------------|-----|
| Defective wiring .....                        | 229 |
| Floors and walls unprotected from stoves..... | 191 |
| Defective pipes, stoves and flues .....       | 125 |
| Found chimneys on brackets .....              | 482 |
| Exposed and unprotected openings .....        | 131 |

The fact that 482 chimneys were found supported on brackets is an indication that a most primitive method of construction still exists and again emphasizes the fact that proper building regulations are most essential in all cities, large and small, for fire prevention.

Man and the giraffe are the only two living things that can't swim naturally. Throw a day-old kitten into the Mississippi and it will paddle its way to shore. The giraffe can't swim because he's not built that way. Man can't swim, just because he is afraid. The chances are that the reason you are not in the swim—financially or otherwise—is because you are afraid.—Glen Buck.

#### HE WAS WISE

"When do you think my house will be finished?" asked the owner of the contractor's foreman.

"The first of October," was he reply.

"You mean September," asked the owner.

"No, sir," replied the foreman, "I meant what I said—October."

"But there is no such month," said the owner.

"I know," was the reply. "That is why I said it."—*Ex.*

Just remember this: Give out courtesy, kindness, patience and good-will, and you'll get them all back with compound interest. The men who deserve to rank in Class A do not chew the lint and fuss about the small misfits of life. To take what comes and forget the rest is wisdom. Let Braggo give the janitor the call, and the Hall Boys have it out with the Ashbox Inspector—you can't afford to soil your soul with small scraps. Fight on a big scale, or not at all. The folks who have trouble with ushers are always looking for trouble—and find it. Smile, old boy, smile!

Advertising is telling who you are, where you are, and what you have to offer the world in the way of service or commodity.

If nobody knows who you are, or what you have to offer, you do no business, and the world is the loser through giving you absent treatment.

Life is too short for the consumer to employ detectives to ferret out merchants who have the necessities of life to sell.

All live men are advertisers, and the only man who should not advertise is the man who has nothing to offer to the world in the way of human service, and such a man is a dead one, whether he knows it or not. Advertising is a legitimate and ethical proposition. Life is too short for you to hide yourself away, mantled in your modesty, and let the world hunt you out. Even the dead are advertisers, for on visiting a beautiful cemetery the other day, I noticed that on nearly every marble slab was given a list of the virtues, talents and beautiful qualities which the dead man was supposed to have carried in stock. This is what you call non-productive advertising, or advertising from an emotional standpoint.—Elbert Hubbard.

Don't crowd your space, Mr. Advertiser. Better play up one selling point at a time than to try to get everything into one ad. and kill every possible chance for display. An ad. should stand out. It should be easily read. It should draw the attention of the reader. A carload of detail can't be crowded into a few inches of space and still retain the quality of sticking out as all good advertising should.



# CARTER CONCRETE

The Kind That Lasts

**Carter Concrete** PAVEMENTS, FLOORS, CONSTRUCTION—BUILT BY SPECIALISTS SINCE 1888—BUILT TO PREVENT CRACKING, CRUMBLING and DECAY—BUILT TO LAST.

ORIGINAL COST OF **Carter Concrete** LOW—UPKEEP COST NEGLIGIBLE.

SPECIALISTS IN CONCRETE ROADWAYS

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2,000,000 at \$16.00 f. o. b. Reading Sidings.

These are high grade pressed bricks, manufactured of crushed stone and hydrated lime. Greater crushing strength and lower absorption than burned clay. Uniform in shape and size. No soft ones. They are beautiful, economical and everlasting.

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A complete range of colors. Manufactured of vitrifying shale and fire clay. Our prices defy competition.

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PHONES—Locust 7525  
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Choose flooring that resists abrasion, for abrasion, like erosion is a physical force that causes the gradual crumbling and wearing away of every atom of flooring material.

Immunity from abrasion is the distinctive feature of

## Mineral Flooring

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Mineral Flooring is absolutely fire proof, vermin proof, damp proof. We install any size job in a single day.

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*We'll Quote Prices*

PHILADELPHIA



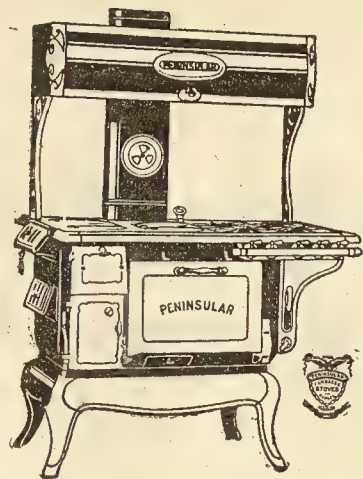
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Bell, Belmont 182

Keystone, West 649





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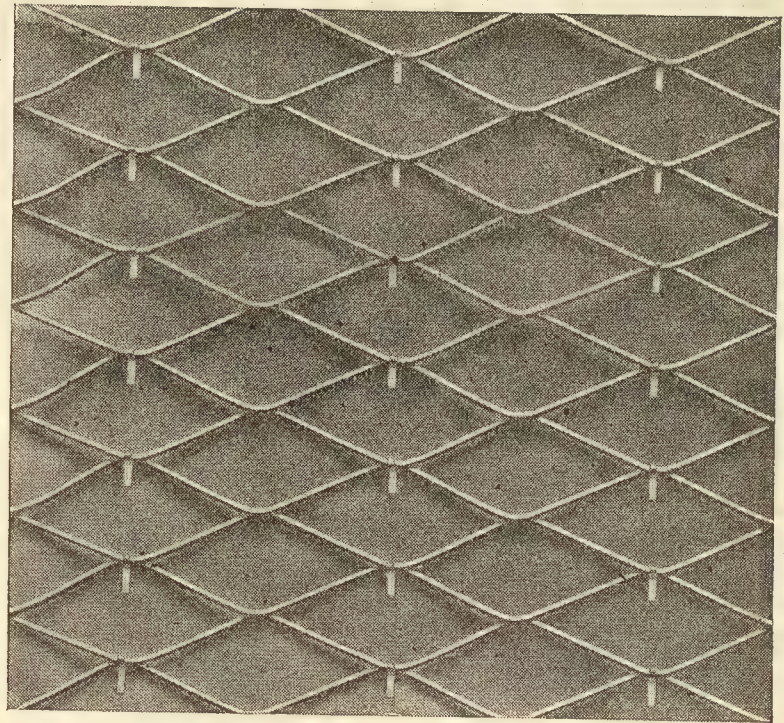
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All the steel with the exception of the binder ribbons is on the face of the felt, consequently every ounce of the strength of the metal is brought into play—equal reinforcing being provided in every direction, thus impartially distributing the stress over the entire area.

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The strands run diagonally, slanting in both directions. Hence, no matter in what direction a crack may start to form, a strand of steel will be found lying across its path to resist the tendency.

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Special Heavy Duty Reversible Hoists mounted on long skids including 200 ft. cable,

|                                |          |
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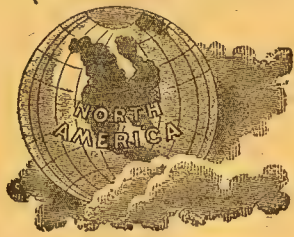
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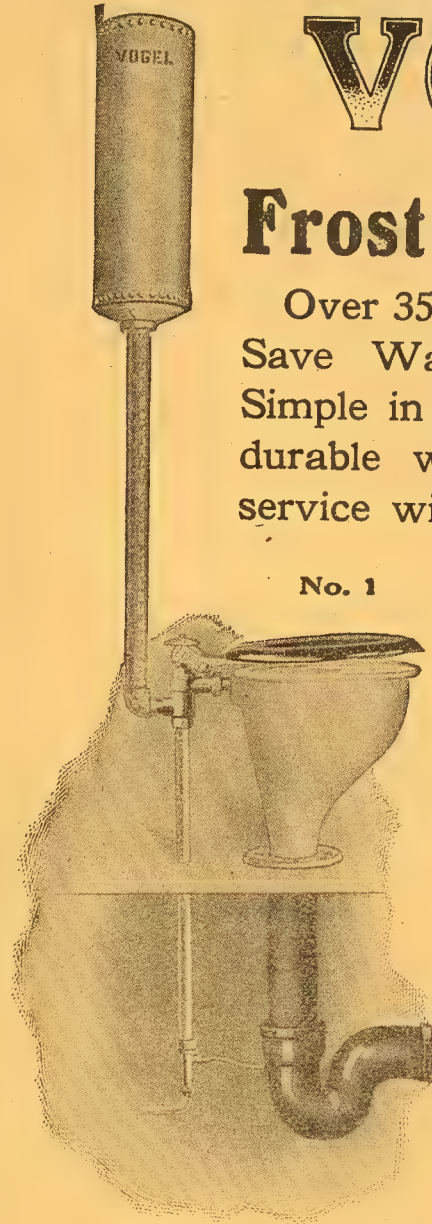
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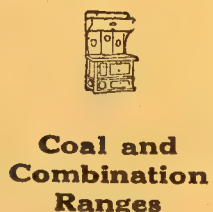


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Entered at the Philadelphia Post Office as Second-Class Matter

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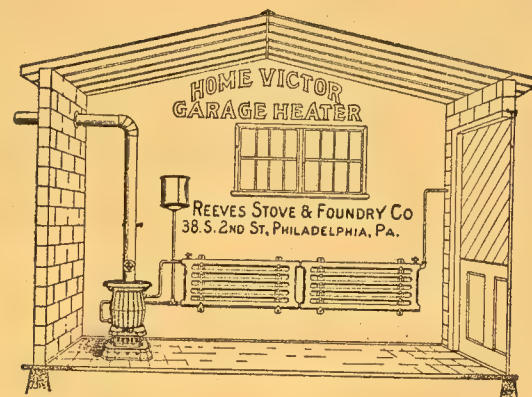


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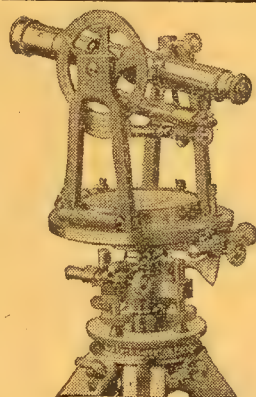
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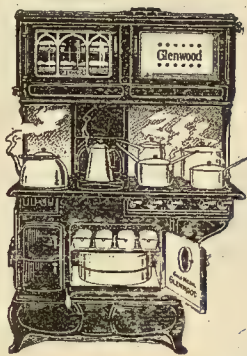
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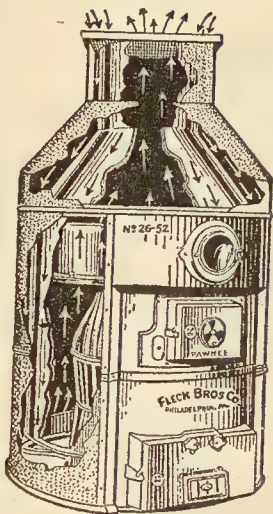


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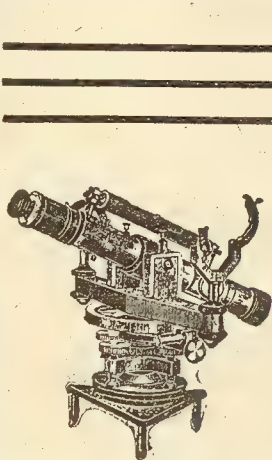
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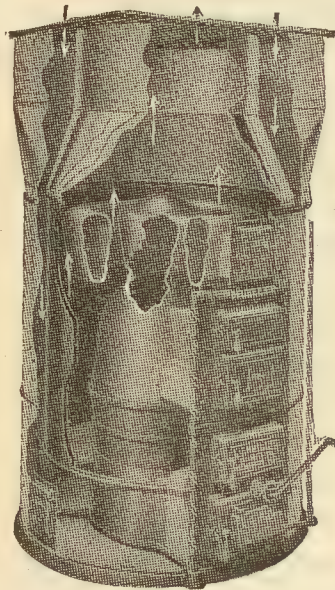
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Devoted to the Advancement of American Architecture, Structural Engineering and the Building Trades

VOLUME XXXIV  
Number 45

PHILADELPHIA  
November 5, 1919

## BUILDERS' GUIDE

OFFICES, PERRY BUILDING (Suite 824-825-826)  
Sixteenth and Chestnut Sts., Philadelphia, Pa.

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BY

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## As The Editor Sees It



PHILADELPHIA is as much concerned with the difficulty of providing people housing facilities as any other city. The great decrease in the normal rate of home building during the war and the great influx of workers for the war industries operating here have greatly increased the city's problem of housing her people. Interesting light on conditions existing here and elsewhere is thrown on the subject in the report issued recently by the Bureau of Labor Statistics of the United States Department of Labor on the "Family Budget and Health." In summarizing, the report says:—

"Judged by the standard that overcrowding begins when there is more than one person per room, a considerable proportion of the families included in this investigation must be classed as overcrowded. A study has been made of 2,455 families living in rented houses in 24 different cities. Fifty per cent. of these had less than one room per person, 17 per cent. had less than 0.7 of a room per person, and 3 per cent. less than 0.5 of a room per person. Very little information was gathered which will give conclusions as to housing conditions from a sanitary standpoint. In New Orleans, however, 31 per cent. of the 147 white families, included in the investigation, lived in houses without bath rooms, and 90 per cent. of the 102 colored families."

That Congress, with the exception of Senator Calder and a few associates, is

not awake to the demands of the situation, is the conviction of the "American Contractor."

"There is one way to impress this matter on the members of Congress," says this organ. "That is by personal appeals to the Senators from your State and your member in the lower house. If contractors, architects, engineers, real estate men, bankers, and others who are in touch with local conditions in various localities, would at once take time to place the home building question before their representatives in Congress, we could expect an awakening to the seriousness of the situation and, perhaps, some ameliorative action from this session of Congress."

\* \* \* \*

LUMBER production is of vital importance to construction and all allied industries. A campaign is now on foot to urge legislation which will aim for the preservation of the present available timber supply, and which will provide for increasing the forest lands of the future. In the interests of forestry, a conference was held recently at Indianapolis. Among the speakers were H. S. Graves, United States Forest Service.

"The solution of our forestry problem," said Colonel Graves, "consists in stopping destruction by fire and other agencies, by using methods that make possible natural reproduction after log-

ging, and by restocking the tree growth of lands that have been made economic wastes. The fear has been expressed by some that such an objective conflicts with the expansion of agriculture and stock raising. Exactly the contrary would be the result. No sane program of forestry would propose the use of lands for forestry that are better adapted to agriculture and settlement. Forestry, agriculture and stock raising go hand in hand."

\* \* \* \*

"Today the home product does not nearly meet the annual requirements, but, further than that, the cutting that is done far exceeds what is grown each year. It is probable, from the best estimates that I have been able to secure, that the annual growth of material of potential value is not over one-quarter of what is cut each year. This means that the forests are progressively losing ground with considerable rapidity."

"This deficit is due only in part to the clearing of land for agriculture. It is due also to the failure to handle the lands in a way to secure good reproduction and properly to protect the young trees that become established. With better care and management forest lands should yield two or three times the present growth, and this would, I believe, be possible without checking the extension of cultivation over lands suited to that purpose."

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**BLUE  
PRINTS**



## THE INTEREST OF WOOD USING INDUSTRIES IN THE FOREST PRODUCTS LABORATORY AND THE NEED FOR MORE GENEROUS APPROPRIATION BY CONGRESS FOR ITS SUPPORT

The Forest Products Laboratory of the United States Department of Agriculture was established nine years ago at Madison, Wisconsin. The purpose of the Laboratory is to ascertain, by scientific and technical investigations, the various technical properties and possible uses of the different species of wood and to develop for the benefit of the public and the lumber and wood-using industries the industrial uses to which the various woods may be best adapted.

The Laboratory has already done much useful service to wood-using industries, to users of wood products and to the public at large. Tests of strength, toughness, and other physical properties of wood; and of methods of drying; investigation of uses for built-up timbers and plywoods; methods of waterproofing and fire protection; strength tests on types of wooden boxes and other containers; analysis of comparative merits of different species of wood for manufacture into paper, pulp, furniture, implements and miscellaneous products; and investigations in wood preservation, chemical distillation of wood and utilization of by-products are some of the lines of activity in which the Laboratory has been engaged. These will be expanded as soon as adequate appropriation has been secured.

The Laboratory is supported by Federal appropriation. During the war its activities were greatly increased and directed almost exclusively to war work. For this purpose its financial support came in large part from the War and Navy Departments. The immediate emergency having disappeared, support of the Laboratory through these special funds has been largely withdrawn.

The appropriation authorized by Congress for the year beginning July 1, 1919, is no greater than the annual pre-war appropriation, viz., \$175,260. Those engaged in wood-using industries and familiar with the work of the Laboratory, realize the great value of its activities and the services of almost incalculable value which it is prepared to render to those industries, as well as to the general public. Resolutions have repeatedly been adopted by groups of manufacturers endorsing the work referred to the Laboratory and urging the continuance and extension of its activities. But these have not been brought with sufficient

force to the attention of Congressmen and Senators.

The forests constitute one of our greatest national resources. Concerted effort is now on foot looking to preservation of future supplies of timber for the use of wood and wood-using industries. The Laboratory can serve the public by making available to the users of wood and wood products the most efficient methods, so that there shall be the least possible waste of valuable material.

Representatives of a number of the important wood-using industries vitally interested in the future of the Forest Products Laboratory met in Chicago on June 26, 1919, at the call of the Chicago Association of Commerce, to discuss ways and means of securing adequate support for the activities of the Laboratory. As a result, a committee was selected representing the national and other associations of leading wood-using industries, having the specific purpose of endeavoring to secure concerted action on the part of all industries having common interest in the maintenance of the Laboratory to the end that adequate appropriation for its housing and maintenance be secured at the earliest possible time.

This committee, after careful investigation, is of the opinion that an annual appropriation for the operation of the Laboratory, of not less than \$500,000, should be made by Congress; this amount could not be safely reduced without great loss, not only to the wood-using industries, but to the public, which is ultimately the chief beneficiary of the services rendered by the Laboratory.

### COMMITTEE ON FOREST PRODUCTS LABORATORY,

Representing the—

*National Lumber Manufacturers' Association,*

*National Association of Box Manufacturers,*

*New Print Service Bureau,*

*National Hardwood Lumber Association,*

*National Implement and Vehicle Association,*

*American Association of Furniture Manufacturers,*

*American Institute of Architects,*

*Chicago Wood Preservers' Association,*

*Chicago Association of Commerce.*

## BUILDING HEIGHTS IN THE UNITED STATES

**A**N interesting resume of the regulations in various cities regarding the height of buildings is given by Mr. M. R. Fleming, of the American Bridge Company in the Journal of the Western Society of Engineers. An abstract of the paper follows:

The term "height of a building," according to the New York code, means the vertical distance measured in a straight line from the curb level to the highest point of the roof beams in the case of flat roofs and to the average height of the gable in case of roofs having a pitch of more than 20 degrees. According to the Chicago code for non-fireproof buildings, it is measured from the average established sidewalk level to the highest point of the roof thereof and for fireproof buildings it is measured from the average grade of the street frontage of the building to the top of the highest point of the external bearing walls. Other definitions differing slightly from those of New York and Chicago may be found. Cornices, parapet wall, penthouses and bulkheads are not often considered in determining height, but building codes generally place limitations upon their height and area.

Frame buildings outside of fire limits are variously limited to 2, 2½ and 3 stories, or 35, 40, 45 and 50 feet in height.

Buildings having bearing walls of hollow terra cotta or concrete building blocks are limited to 3 stories and 40 feet in height.

The code of Terre Haute has a clause, "No school building hereafter erected shall be more than two stories and basement in height." The code of Dayton fixes a maximum distance to the upper floor level for different kinds of buildings, the distance for the primary, grammar and high school buildings being 38 feet above the average grade.

A long list of cities fixes the maximum height for non-fireproof buildings at 65 or 70 feet. Kansas City (Kansas) allows but 50 feet. Detroit for a certain type allows 100 feet. In Rochester the height of a tenement house "shall not exceed by one-quarter the width of the street on which it stands."

The storm center of the whole subject of building heights is the fireproof commercial building. The factors that enter into its regulation are many and complex. Much has been written on the subject. The "Report of the Heights of Buildings Commission of New York City," 1913, is a book of 295 pages with maps, diagrams and illustrations. The literature on city planning that is becoming so abundant is at one in charging the skyscraper with being a detriment to the ideal city. The

(Continued on Page 703.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION: ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING;  
CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Apartment House**, Central Philadelphia. Architect, J. Warren Myers, Middle City Building, Philadelphia. Owner, name withheld. Brick, 16 stories, 52x197 feet, slag roof, marble floors, hollow tile, elevators, steam heat, electric light, tile and marble work. Architect will take sub-bids in one week.

**Store Building (alts.) to Store and Lodge Room**, 1901 Orthodox street. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owner, name withheld. Exterior iron stairs, pine floors, steam heat, electric light. Plans in progress.

**Residence**, Germantown, Philadelphia. Architect, Lawrence Visscher Boyd, Harrison Building, Philadelphia. Owner, John A. Seeds, 716 West Upsal street, Germantown. Stone, 2½ stories, 40x51 feet, slate roof, pine and oak floors, stone foundations, hot water heat, electric light, tile work. Architect taking bid due November 5th from Hogg Const. Co., Denckla Building.

**Bank Building (add.)**, 4405 Germantown avenue, Philadelphia. Architect, Thomas B. Lippincott, 1505 Arch street, Philadelphia. Owner, Wayne Junction Trust Co., care of Thomas M. Scanlon, secretary and treasurer, 4401 Germantown avenue. Brick, stone and steel. Preliminary plans in progress.

**Warehouse**, Southeast Corner Fifth and Montrose streets, Philadelphia. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owners, Schultz & Miller, Northwest Corner Fifth and Fitzwater streets. Tapestry brick, 3 stories and basement, 36x80 feet, slag roof, pine floors, hollow tile, metal lath, electric elevator, plastering, steam heat, electric light, rolled steel sash, hollow metal skylights, steel rolling shutters, iron work. Architect taking bids due as soon as possible. Stang & Mitchell, Real Estate Trust Building; M. H. McCloskey, Jr., 1620 Thompson street, and Fred Quate, 1323 Snyder avenue, are figuring.

**Residence (also Garage)**, Cliveden street and Lincoln Drive. Architect, M. H. Dickinson, 1705 Chestnut street, Philadelphia. Owner, Samuel Stern, Commonwealth Building, Philadelphia. Stone, 2½ stories, 26x43 feet, and 1 story, 18x22 feet, slate roof, oak floors, cement work, hot water heat, electric light, tile work. Architect will be ready for sub-bids in one week.

**Residences (alts. and add.)**, 418-20 South Carlisle street, Philadelphia. Architect, Mahlon H. Dickinson, 1705 Chestnut street, Philadelphia. Owner, name withheld. Brick, 3 story add., 12x13 feet, slag roof, general interior alterations, painting, papering, hot water heat, electric lighting and fixtures, oak floors, partitions and stairways. Architect will be ready for sub-bids in ten days.

**Storage Building**, Wolf, Ritner, Water and Swanson streets. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia.

Owners, Pottash Bros., 612 North American street, Philadelphia. Brick, 2 stories, 400x300 feet, asphalt roof and floors, hollow tile partitions, steam and hot water heat, electric lighting, rolled steel sash, rolling steel and kinneer doors, hollow metal skylights. Office building, brick and stone, 2 stories, 25x48 feet, slag roof, maple floors, hot water heat, electric lighting. Revised plans in progress.

**Store and Office Building**, 22-32 North Thirteenth street and 1302 Filbert street. Architect, L. E. Denslow, 44 West Eighteenth street, New York City. Lessees, United Cigar Stores Co., 44 West Eighteenth street, New York City. Plans in progress. Too early for details.

**Residence and Garage (alts.)**, 32 Summit avenue, Chestnut Hill, Philadelphia. Architects, De Armond, Ashmead & Bickley, Franklin Bank Building. Owners, William Lord Sexton, Highland Station, Chestnut Hill, Philadelphia. General alterations, new partitions, tin roof, oak floors, cement work, vapor vacuum heating, electric work and fixtures, mill work, cabinet work. Architects taking sub-bids.

**Store Building (alts.) to Bakery**, Fifty-second and Ludlow streets, Philadelphia. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, William Meenehan, Fifty-second and Ludlow streets, Philadelphia. Brick and iron work, carpentry, painting and glazing, plumbing, electric repairs, heating extension. Architects have received bids.

**Hotel (alts.)**, Broad and Walnut streets, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Ritz-Carlton Co., on premises. Changing heating and plumbing, plastering, painting, store fixtures, flush bulks. Owners will build.

**Residence and Garage**, Forty-seventh and Pine streets, Philadelphia. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, H. S. Matlack, 4131 Spring Garden street, Philadelphia. Brick and hollow tile, 2½ stories, stone foundation, hot water heat, electric light, tile work, oak floors, roofing undecided. Clarence R. Siegel, Forty-seventh and Larshwood avenue, is taking sub-bids.

**Residence**, Overbrook, Philadelphia. Architects, MacKenzie & Wiley, Liberty Building, Philadelphia. Owner, Green Hill Farms Co., care of Morris Wood, Sixty-fourth and City Line. Stone, hollow tile and stucco, 2½ stories, 29x57 feet, shingle roof, oak floors, hot air heat, electric light, tile and marble work. Owners are taking sub-bids.

**Garages (15)**, (12) Fifty-sixth and Woodbine avenue, (1) 5408 Woodbine avenue, and (2) 5410-32, 5434 Woodbine avenue, Philadelphia, \$18,000. Architect, private plans. Owner, Daniel Crawford, Jr., 701 North Sixty-third street, Philadelphia. Stone, 1 story,

20x22 feet, slag roof, cement floors. Owner will build.

**Factory (alt.)**, Crawford street, East of Ridge avenue, Philadelphia, \$5,000. Architect, private plans. Owner, J. & J. Dobson, Inc., 809 Chestnut street, Philadelphia. General alterations. Owners will build.

**Residence**, Tyson and Ditman streets, Philadelphia, \$4,500. Architect, private plans. Owner, John T. Casey, 101 Collum street, Philadelphia. Brick, 2 stories, 30x40 feet, slag roof, hot water heat. Owner will build.

**Residences (2)**, Rising Sun avenue, South of Princeton street, \$9,000. Architect, private plans. Owner, Louis Gebhardt, 7039 Rising Sun avenue, Philadelphia. Brick, 2 stories, 40 feet and 15x46 feet, slag roof, hot water heat. Owner will build.

**Garage**, Thirtieth and Race streets, Philadelphia. Architect, private plans. Owners, F. G. Vogt & Sons, Thirtieth and Race streets, Philadelphia. Brick and steel, 1 story, 54x146 feet, slag roof, cement floors, rolled steel skylights, roof ventilators, stone foundations (plumbing, heating and electric work reserved). Owners taking bids due November 5th. Smith-Hardican Co., 1606 Cherry street, is figuring.

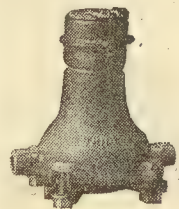
**Residence**, Chestnut Hill, Philadelphia. Architect, Robert Rodes McGoodwin, 1422 Walnut street, Philadelphia. Owner, H. L. Appleton, Twelfth and Sansom streets. Stone and stucco, 3 stories, 30x56 feet, shingle roof, oak floors, metal lath, stone foundations, hot water heat, electric light, tile work, ornamental iron work. Architect has received bids.

**Residences (2)**, 1010-12 Harrison street, Philadelphia, \$9,000. Architect, private plans. Owners, Rush Bros., 1100 Fillmore street, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, hot air heating. Owners will build.

**Residences (6)**, American and Chew streets, Philadelphia, \$27,500. Architect, private plans. Owner, Carl A. Mayer, 221 West Olney avenue, Philadelphia. Brick, 2 stories, 16x49½ feet and 16x37½ feet, 13x12 feet, hot water heating. Owner will build.

**Garage**, 1104 Parrish street, Philadelphia, \$15,000. Architect, private plans. Owner, Lazarus Behrman, 1244 Girard avenue, Philadelphia. Brick, 1 story, 22x59 feet, 54x45 feet and 27x26 feet, cement floors. Owner will build.

**Manufacturing Building**, Twenty-first and William Steele & Sons Company, 1600 Parkway, Philadelphia. Owners, Steel Heddle Mfg. Co., on premises. Brick and steel, 5 stories, 94x123 feet, slag roof, composition and maple floors, metal lath, safety treads, stone foundations, terrazzo work, rolled steel sash, kalamain and hollow metal doors, iron work (heating, electric lighting and elevator reserved). William Steele & Sons Co., Sixteenth and Arch streets, taking sub-bids due November 7th.



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GASOLINE, BRINE,  
ETC., ETC.

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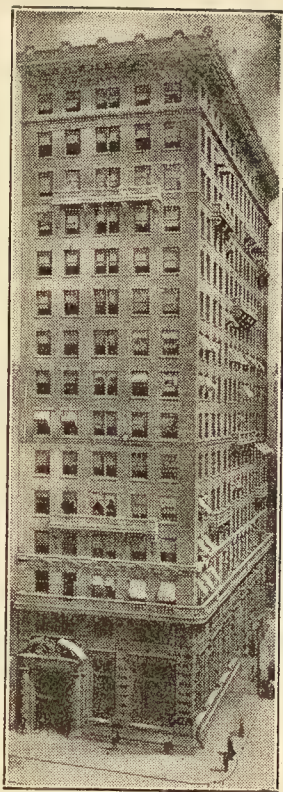
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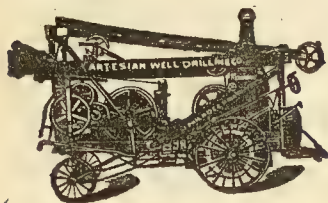
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**Warehouse (add.),** Stokley and Roberts avenue, Philadelphia. Architects, William Steele & Sons Company, 1600 Parkway, Philadelphia. Owners, American Insulation Co., on premises. Concrete and brick, 2 stories, 60x90 feet, slag roof, maple and cement floors, stone foundations, tile work, rolled steel sash. William Steele & Sons Co., Sixteenth and Arch streets, taking sub-bids due November 6th.

**Residences and Garages (22),** Warnock and Courtland streets, \$114,000. Architect, private plans. Owners, Izenberg & Liebman, 3303 Kensington avenue, Philadelphia. Brick, 2 stories, 16x46 feet and 15x30 feet, 12x10 feet, slag roof, hot water heat. Owner will build.

**Residences (7),** Eleventh, Warnock and Windrim avenue, \$35,000. Architect, private plans. Owner, Philip Robin, 7872 East Memphis street, Philadelphia. Brick, 2 stories, 16x29 feet, 13x10 feet and 16x21 feet, 25x12 feet, hot water heating, slag roof. Owner will build.

**Residences (2),** Clarkson and Twelfth streets, Philadelphia, \$11,000. Architect, private plans. Owner, Philip Robin, 2872 East Memphis street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hot water heat. Owner will build.

**Residence, Store and Garage,** Windrim and Warnock street, \$7,000. Architect, private plans. Owner, Philip Robin, 2872 East Memphis street, Philadelphia. Brick, 3 stories, 25½x48 feet, slag roof, hot water heat. Owner will build.

**Municipal Repair Shop Yard (alts.),** Eleventh and Reed streets. Architect, Joseph Roletter, City Hall, Philadelphia. Owners, City of Philadelphia, Department of Public Safety, City Hall. Cement paving, carpentry and painting. Owners taking bids, due November 6th. W. W. Anstine, 1218 Filbert street, is figuring.

**Bank Building,** Girard and Frankford avenues, Philadelphia. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owners, Kensington National Bank, care of Chas. DeLaney, President, southwest corner of Girard and Frankford avenues, Philadelphia. Brick, granite, concrete, 1 story, 50x55 feet, slag roof, steam heating, electric lighting, tile, marble and terrazzo work, hollow metal skylights, bank fixtures.

**Residence (alts. and add.),** Chestnut avenue, Chestnut Hill, Philadelphia. Architect, C. A. Ziegler, 1218 Chestnut street, Philadelphia. Owner, Walter D. Larzelere, Commercial Trust Building, Philadelphia. General interior alterations and additions. Architect taking bids, due in ten days. F. B. Davis, 240 North Sixteenth street; R. C. Ballinger & Co., 218 North Thirteenth street; George S. Roth & Sons, 230 East Graver's Lane; I. A. Dunkelberger, 71 East Herman street; Wolverton & Co., 28 East Willow Grove avenue; E. Allen Reeves, Abington, Pa.; W. John Stevens, Inc., Wyncote, Pa.; A. L. Fretz & Son, Heed Building, are figuring.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Ice Storage Building,** Duncannon avenue, West of Mascher street, \$80,000. Architect, private plans. Owners, American Ice Co., Sixth and Arch streets, Philadelphia. Brick, 1 story, 80x108 feet, slag roof, electric light, concrete floor. Contract awarded to Monaghan & Losse, 3016 Chestnut street, Philadelphia.

**Bank Property,** Northeast Corner Broad and Chestnut streets, \$40,000. Architect, private plans. Owner (Lessee), Philadelphia Trust Company, 415 Chestnut street, Philadelphia. New vault, tile and composition floors, partitions, painting, electrical work. Contract awarded to Doyle & Co., 1519 Sansom street.

**Basement (alts.),** 1010 Chestnut street, Philadelphia. Architect, David B. Bassett, Perry Building, Philadelphia. Owner, Shaw Walker, Washington, D. C. Steam heating, electric lighting, plumbing, concrete floors, general interior alterations. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

**Store (alts.),** Eighth and Chestnut streets, Philadelphia, \$7,000. Architect, private plans. Owner, I. Press & Son, on premises. General interior alterations. Contract awarded to A. Barsky, 636 Pine street, Philadelphia.

**Residence and Store,** Northeast Corner

Roosevelt Boulevard and Rhaun street, \$6,500. Architect, private plans. Owner, D. Sinn, on premises. Brick and stucco, 2 stories, 25x46 feet, hot air heating. Contract awarded to Lewis Ahlers, Jr., 4433 Salmon street, Philadelphia.

**Residence (alts.),** 6514 Lincoln Drive, Philadelphia, \$6,600. Architect, private plans. Owner, Edward V. Kane, Morris Building, Philadelphia. Repair fire damage. Contract awarded to J. E. Walt, 200 East Willow Grove avenue.

**Billiard Hall (add.),** 6164 Ridge avenue, Philadelphia, \$3,990. Architect, private plans. Owner, Joseph L. Wolf, on premises. Brick, 1 story add., 32x75 feet. Contract awarded to William A. Brady, 4348 Cresson street.

**Boiler House,** Southeast Corner Jefferson and Cadwallader streets, Philadelphia, \$2,200. Architect, private plans. Owners, Crane Co., 245 Master street, Philadelphia. Brick, 1 story add., 9x14 feet, general alterations. Contract awarded to Frank A. Stahl, 1432 Germantown avenue.

**Garages (4),** 6853-55-57-59 Ogontz avenue, Philadelphia, \$2,400. Architect, private plans. Owner, F. A. Gelhans, 6855 Ogontz avenue, Philadelphia. Stone, 1 story, 13 feet 9 inches x 20½ feet, cement floors. Contract awarded



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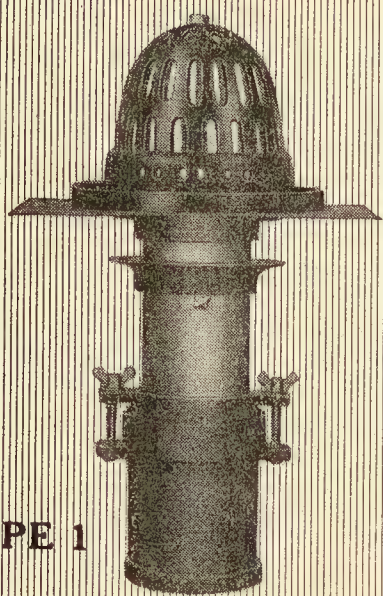
**Liability Insurance**  
**Builders' Risk**



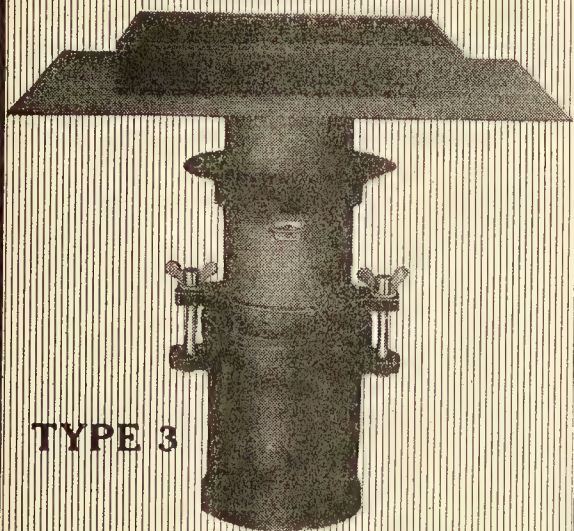


# Use Holt Roof Connections with

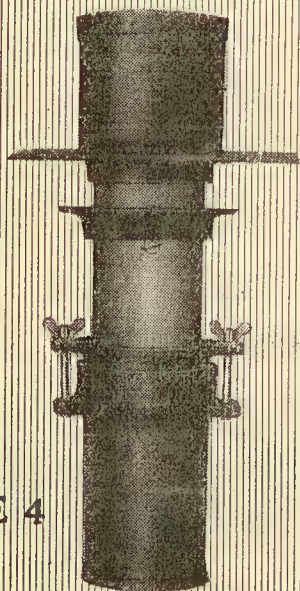
## *Barrett Specification Roofs*



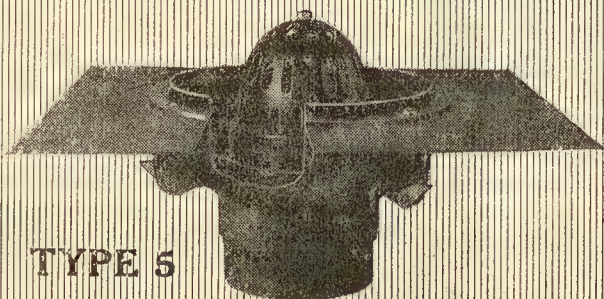
TYPE 1



TYPE 3



TYPE 4



TYPE 5



TYPE 6

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In fact, buildings having interior roof drainage are *incomplete* without Holt Roof Connections.

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Holt Connections are made in a variety of types and sizes for *every kind of roof*. They meet every need for a high-grade, dependable connection for roof leaders, vents, pipes, braces or flag poles. *They have never failed.*

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to I. K. Davis Co., Twentieth and Spencer streets.

**Garages (8)**, West side Ogontz avenue, North of Seventy-second street, \$4,000. Architect, private plans. Owners, Oak Lane Realty Co., York road, Oak Lane, Philadelphia. Stone, 1 story, 13½x20 feet, cement floors. Contract awarded to I. K. Davis Co., Twentieth and Spencer streets.

**Store and Club (alts.)**, Northeast Corner Fifteenth and Arch streets, Philadelphia, \$3,500. Architect, private plans. Owner, Frank H. Schrenck, 1218 Chestnut street, Philadelphia. General interior and exterior alterations. Contract awarded to Goldberg & Fine, 714 Broadway, New York.

**Garage**, Northwest Corner Delaware avenue and Tasker street, Philadelphia, \$4,000. Architect, private plans. Owner, Estate of John McCann, on premises. Brick, 1 story, 30 feet 4 inches x60 feet, slag roof, cement floors. Contract awarded to Pomeroy Const. Co., 1609 Ranstead street.

**Garage**, 406 Westview avenue, Germantown, \$2,000. Architect, Albert F. Schenck, Real Estate Trust Building, Philadelphia. Owner, Howard C. Story, Fairfax Apartments, Germantown. Stone, 1 story, 19x22 feet, slate roof, cement floors, electric lighting, stone foundations, iron work. Contract awarded to A. R. Raff Cont. Co., 1635 Thompson street.

**Garage (3 cars)**, Coulter and Tacoma streets, Germantown. Architect, private plans. Owner, I. A. Mullen, 167 Queen Lane, Germantown. Brick, 1 story, 25x32 feet, slag roof, cement floors, stone foundations, hot water heating, electric lighting. Contract awarded to I. A. Dunkelberger, 71 East Herman street, Germantown.

**Factory, Boiler and Engine House and Garage**, Kensington avenue and G street, Philadelphia, \$200,000. Architect, Mahlon H. Dickinson, 1705 Chestnut street, Philadelphia. Owner, Max Sarfert, Kensington and Alle-

gheny avenues. Brick and reinforced concrete, 2 stories, 53x237 feet, 1 story, 42x120 feet and 22x40 feet, slag roof, cement floors, metal lath, rolled steel sash, iron work, stone foundations, tile and marble work, skylights and doors, waterproofing, dampproofing, iron work. Contract awarded to J. S. Rogers Co., Drexel Building, Philadelphia.

**Court Building (alts. and add.)**, 1131 Wood street, Philadelphia, \$14,966. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owner, County Comm., care of George F. Holmes, president, City Hall, Philadelphia. General interior alterations and additions. Contract awarded to George Dobbin, 4202 Chester avenue, Philadelphia.

**Motion Picture House (alts.)**, Twenty-seventh and Girard avenue, Philadelphia. Architect, LeRoy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, Mrs. Rappaport, care of architect. Brick, 2 stories, stone foundations, tile work, metal lath, waterproofing, damp-proofing, iron ladder, ornamental iron work, heating, repairing tile, cement and pine floors, metal work, carpentry, glazing. Contract awarded to Louis Cohn, 417 Christian street, Philadelphia.

**Ice Cream Plant (add.)**, 216-32 Lombard street, Philadelphia, \$140,000. Architect, William H. Timm, 330 Berkley street, Camden, N. J. Owners, Abbott's Alderney Dairies, on premises. Brick and steel, 3 stories, 44x127 feet, stone foundations. Contract awarded to Barclay White Co., 1713 Sansom street, Philadelphia.

**Storage Shed**, North side Hagert street, East of Twenty-seventh street, \$3,000. Architect, private plans. Owner, E. & A. Green Co., on premises. Brick and iron, 1 story, 20x112½ feet. Contract awarded to Paul Brosy, 2511 West Huntingdon street.

**Garage**, Lawrence street, North of Duncan-non avenue, \$13,000. Architect, private plans. Owner, Henry Boehling, 2347 North Fifteenth

street, Philadelphia. Brick, 1 story, 60x120 feet. Contract awarded to Parrish & Jackson, 241 North Seventeenth street.

**Hall and Garage (alts. and add.)**, Southwest Corner Ninth and Westmoreland streets, \$5,000. Architect, private plans. Owner, Surpass Leather Co., on premises. General interior alterations and additions. Contract awarded to George Kessler Cont. Co., Drexel Building.

**Garage**, Ringgold street, North of Brown street, \$2,700. Architect, private plans. Owner, Bert E. Betz, 804 North Twenty-fourth street, Philadelphia. Brick, 1 story, 45½x20 feet, slag roof, cement floor, electric lighting. Contract awarded to H. John Homan Co., 34 South Seventeenth street, Philadelphia.

**Garage (add.)**, 1218-20 North Twenty-sixth street, Philadelphia, \$15,000. Architect, private plans. Owners, Public Ledger Co., Sixth and Chestnut street, Philadelphia. Brick, 2 stories, 33x90 feet, slag roof, electric lighting, cement floor. Contract awarded to Doyle & Co., 1519-21 Sansom street, Philadelphia.

**Residence**, Linden avenue, west of Overbrook street, \$3,900. Architect, private plans. Owner, Jacob Henselman, Bridge street and P. R. R., Philadelphia. Frame, 1 story, 26x32 feet, 12x10 feet. Contract awarded to S. W. J. Williams, 3011 Linden avenue, Philadelphia.

**Storage Building (add.)**, southeast corner of Richmond and Schiller streets, \$3,500. Architect, private plans. Owners, S. M. Days Works, on premises. Brick, two-story addition, 26½x48 feet, slag roof. Contract awarded to A. R. Raff Cont. Co., 1635 Thompson street.

**Residence and Store (add. and alt.)**, 34 North Fifty-second street, \$3,300. Architect, private plans. Owner, Wm. Heim, 53 North Fifty-second street, Philadelphia. Brick, three-story addition, 12x20 feet, general alterations.

# HEATING

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Contract awarded to R. B. Douglass, 330 N. Sixty-third street, Philadelphia.

**Residences (6)**, Linden avenue, west of Cottage street, \$18,000. Architect, private plans. Owner, Blanche Guenther, 923 Frankford avenue, Philadelphia. Frame, 2 stories, 16x36 feet, 16x8 feet, hot water heating. Contract awarded to A. W. J. Williams, 3011 Linden avenue.

**Residence and Store (add. and alts.)**, 4663 Paul street, \$2,800. Architect, private plans. Owner, George W. Toland, Dyer street, Philadelphia. Brick, one-story addition, 16x12 feet, general alterations. Contract awarded to George W. Crosby, 2264 Bridge street.

**Ice Palace and Ice Plant**, southwest corner of Forty-fifth and Market streets, \$250,000. Architects, private plans. Owners, Philadelphia Auditorium and Ice Palace Co., 1432 South Penn Square, Philadelphia. Brick and steel, 1 story, 157x250 feet and 75x130 feet, gypsum slab roof, concrete floors, metal lath, rolled steel sash, steam heating, electric lighting. Contract awarded to George F. Pawling & Co., 1432 South Penn Square.

**Residence (int. alts.)**, 1910 North Eleventh street, Philadelphia. Architect, private plans. Owner, M. Sickles, 900 Chestnut street, Philadelphia. Interior alterations, electric lighting, papering, painting. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

**Sewer**, Bigler street, from Severn street to Delaware avenue, \$250,000. Architect, private plans. Owners, City of Philadelphia, Department of Public works, care of Director Geo. Datesman, City Hall, Philadelphia. 3,000 feet of sewer. Contract awarded to Emilio Pascuzzi, Lincoln Building, Philadelphia.

**Warehouse**, Fifteenth and Green streets, Allentown, Pa., \$20,000. Architect, R. E. Ochs, 449 Wire street, Allentown, Pa. Owner, Hummel Warehouse Co., care of G. F. Hummel, 44 North Ninth street, Allentown, Pa. Brick and concrete, fireproof, 1 story, 100x110 feet, slag roof, cement floors, electric lighting, rolled steel sash. Plans in progress.

**Apartment House and Private Garage**, Church street, between Main and New streets, Bethlehem, Pa., \$75,000. Architect, private plans. Owner, F. W. Pile, care of General Crushed Stone Co., Drake Building, Easton, Pa. Brick, 4 stories, approximately 55x110 feet, hardwood floors, electric lighting, tile work. Plans completed. Owner is taking preliminary estimate.

**Residence**, College Hill, Easton, Pa., \$11,000. Architects, Jacoby & Everett, 510 Hamilton street, Allentown, Pa. Owner, J. J. Jones, William H. Taylor & Co., 250 Hamilton street, Allentown, Pa. Hollow tile and stucco, 2½ stories, 24x38 feet, steam heating, electric lighting, tile work, maple floors. Owner taking sub-bids.

**Residences (20)**, Miller avenue, Bethlehem, Pa., \$50,000. Architect, C. W. Grossart, 603 Hamilton street, Allentown, Pa. Owner, Morris Wilson, 214 Warren street, Bethlehem, Pa. Brick, 2 stories, 12x36 feet, steam heating, electric lighting, pine floors. Owner will build.

**School (add.)**, Lindwood, Pa. Architect, Clarence Brazer, Crozer Building, Chester, Pa. Owner, Lower Chichester School District, care

of Mr. Everett Chandler, Chester, Pa. Brick, 2 stories, 30x65 feet, brick foundations, slate roof, maple floors, electric lighting, interior alterations to present building, roof ventilators. Working drawing near completion.

**Church, Sunday School and Parsonage**, Third and Parker streets, Chester, Pa. Architect, Clarence Brazer, Crozer Building, Chester, Pa. Owner, Trinity Methodist Church, care of S. M. Challenger, Chester, Pa. Stone, 1 story and basement, 80x150 feet, stone foundations, slate roof, hardwood floors, vapor vacuum or steam heat, electric light, tile work, roof ventilators. Plans in progress.

**Stores and Apartments (alt. and add.)**, 531-33 Market street, Chester. Architect, Clarence Brazer, Crozer Building, Chester, Pa. Owner, Cochrane Estate, care of architect. Brick, 3 stories, 32x60 feet, slag roof, hardwood floors, steam heat, electric light. Plans completed.

**Residence**, Ardmore, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, E. C. Freed, Ardmore, Pa. Stone, 2½ stories, 48x26 feet, wing 20x28 feet, slate roof, pine and oak floors, hollow tile, stone foundations, iron work (plumbing, heating and electric work reserved). Architects taking bids due November 7th. H. E. Grau Co., 1709 Sansom street; Geo. L. Croll, Rosemont, Pa.; Wm. C. Wright, 22 Harvey street; I. A. Dunkelberger, 71 East Herman street; H. E. Grau Co., 1709 Sansom street; F. A. Havens Co., 843 North Nineteenth street, and Horace Schofield, Paoli, Pa., additional bidders.

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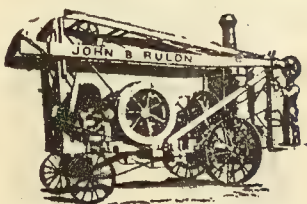
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**Residence and Garage**, Montgomery Pike, Merion, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, E. J. Hedden, Finance Building, Philadelphia. Stone, 2 stories, 60x80 feet, oak floors, cement and reinforced concrete work, delao tile work, hot water or vapor heating, electric light. Owner is taking sub-bids.

**Residence and Garage**, Wynnewood, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, name withheld. Frame, 2½ stories, 38x33 feet, and stone, 1 story, 16x21 feet, shingle roof, cement work (heating reserved), electric lighting. E. J. Hedden, Finance Building, will be ready for sub-bids in a few days.

**Residences (2)**, Drexel Hill, Pa. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, Drexel Estate, Drexel Hill, Pa. Stone, 2½ stories, 26x35 feet and 26x42 feet, slate roof, oak floors, hot water heat, electric light, tile work. Delaware County Const. Co., Clifton Heights, Pa., are taking sub-bids.

**Office Building**, Capitol Grounds, Harrisburg, Pa. Architect, A. W. Brunner, 101 Park avenue, New York City. Owner, State of Pennsylvania, care of G. A. Shreiner, Superintendent Public Grounds and Buildings, Harrisburg, Pa. Granite and steel, 6 stories, 90x290 feet, steam heat, electric light, marble and concrete floors, hollow tile, tile, marble and terrazzo work. Plans in progress. Owner will take bids in about one month.

**Orphanage**, Elmhurst, Pa. Architects, Morris & McHale, Burr Building, Scranton, Pa. Owner, St. Nicholas' Orphanage, Greek Catholic Diocese, Elmhurst, Pa. Brick or stone, 126x97 feet. Preliminary plans in progress. Too early for details.

**School**, Sunbury, Pa., \$90,000. Architect, Ralph Herr, Simon Long Building, Wilkes-Barre, Pa. Owner, Sunbury School Board, Mr. Stroth, Sunbury, Pa. Brick, fireproof, 2 stories, 105x65 feet, stone foundations, slag roof, maple floors, electric light, tile and marble work, rolled steel skylights, roof ventilators, metal weatherstrip. Preliminary plans in progress. Too early for details.

**Garage**, Wyoming avenue, Scranton, Pa. Architect, J. H. Davis, Coal Exchange Building, Scranton, Pa. Owner, Kandel & Sandone, 416 Broad street, Scranton, Pa. Brick, concrete, fireproof, 1 story and basement, 80x176 feet, slag roof, concrete floors, steam heat, electric light, rolled steel sash. Plans in progress.

**Factory (add.)**, West Pittston, Pa. Architect, J. H. Davis, Coal Exchange Building, Scranton, Pa. Owner, Kimbel & Ensmierich, Scranton, Pa. Brick, mill construction, 4 stories, 52x60 feet, slag roof, maple floors, electric light, rolled steel sash. Plans in progress.

**Residence (alt.)**, Hazelton, Pa. Architect, George Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, name withheld. Plate glass, tile and marble work. Plans in progress.

**Church (alts.)**, Luzerne, Pa. Architects, Schroder & Schmitt, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, name withheld. General interior alterations. Plans in progress.

**Dairy (alt. and add.)**, Orchard street, Wilkes-Barre, Pa. Architects, G. E. Schroeder and C. J. Schmitt, Weitzenkorn Building, Wilkes-Barre, Pa. Owners, Horn Dairy Co., on premises. Brick and reinforced concrete, 1 story and basement, 20x35 feet, slag roof,

stone foundations, concrete floors, steam heat, electric light. Owner will build.

**Residence**, Kingstone, Pa. Architect, George Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, name withheld. Frame, 2½ stories, 28x40 feet, asbestos roof, pine floors, steam heat, electric light, tile work. Plans in progress.

**Residence**, Arthur avenue, Scranton, Pa. Architect, D. A. Morgan, Connell Building, Scranton, Pa. Owner, name withheld. Brick, 2 stories and basement, 43x28 feet, tile roof, hardwood floors, steam heat, electric light, tile and marble work. Plans in progress.

**Store Building**, Wilkes-Barre, Pa. Architect, George F. Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, name withheld. Brick, 3 stories, 28x110 feet, concrete foundations, slag roof, wood floors, steam heat, plate glass, electric elevator. Plans in progress.

**Residence**, Electric street, Scranton, Pa., \$40,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, J. E. Grass, 1117 Electric avenue, Scranton, Pa. Hollow tile and stucco, 2½ stories, 76x80 feet, concrete foundations, tile roof, hardwood floors, steam heat, electric light, tile and marble work. Architect has received bids.

**Apartments (7)**, Vine street, Scranton, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Mrs. R. F. Corr, 1214 Vine street, Scranton, Pa. Frame and stucco, 3 stories, 40x70 feet, slag roof, hardwood floors, steam heat, electric light, tile and marble work. Architect has received bids.

**Residence (also Garage)**, Penfield, Delaware County, Pa. Architect, Lawrence Visscher Boyd, Harrison Building, Philadelphia. Owner, W. Lester Banes, Brookline, Pa. Frame, wide weatherboard, 2½ stories, 42½x25½ feet, garage, 1 story, frame, 22x22 feet, Johns-Manville asbestos shingle roof, electric lighting, tile work (heat reserved). Revised plans about completed.

**Ice Cream Factory**, Shamokin, Pa. Architect, W. H. Lee, 32 South Seventeenth street, Philadelphia. Owner, Thark & Son, Shamokin, Pa. Brick and reinforced concrete, 2 stories, 58x72 feet, concrete roof, steam heat, electric lighting, concrete floors, rolled steel sash. Plans in progress.

**Factory**, York, Pa., \$150,000. Architect, J. B. Hamme, City Bank Building, York, Pa. Owner, Otto Eisenlohr Bros., 932 Market street, Philadelphia. Brick and concrete, 3 stories and basement, 88x175 feet, concrete roof, concrete and maple floors, steam heat, electric light, elevators, hollow metal sash, hollow metal skylights. Architects and owners taking bids. Cramp & Co., Denckla Building; William H. Goll, 1537 Filbert street, are figuring.

**Road Work**, around Filling Station, Ardmore, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owners, Sun Oil Co., Widener Building, Philadelphia. Cement, asphalt or composition, landscape work. Architect is taking sub-bids.

**Grading and Paving**, Merion Township, Ardmore, Pa. Owners, Commissioners of Lower Merion Township, care of Henry Delaplaine, chairman, Highway Committee, 75 East Lancaster avenue, Ardmore, Pa. Grading and macadamizing, about 2,400 feet. Owners taking bids due November 18th.

**Road Work**, various locations, Pennsylvania. Owners, State of Pennsylvania, care of Lewis S. Sadler, State Highway Com., State Capitol Building, Harrisburg, Pa. The fol-

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lowing are the low bidders on the road work:

Beaver County, Green Township, Route 278. Length, 5,195 feet. One course reinforced concrete. The Chester Gen. Const. Co., E. Liverpool, Pa., \$66,490.47.

Beaver County, Rochester and Daugherty Townships, Route 78. Length, 12,062 feet. One course reinforced concrete and hillside vitrified brick. Peter F. Connolly, Koppel, Pa., \$199,398.75.

Beaver County, Center Township, Route 76. Length, 5,200 feet. One course reinforced concrete and hillside vitrified brick. Peter F. Connolly, Koppel, Pa., \$96,490.40.

Bedford County, Hopewell and West Providence Townships, Route 46, Appli. 573. Length, 55,572 feet. Either bituminous mac. penetration method on a Telford foundation, or one course reinforced concrete. Union Paving Co., Philadelphia, \$437,830.15.

Berks County, Amity and Douglass Townships, Appli. 1049. Length, 27,633 feet. Bituminous mixture on a prepared broken stone base. Philadelphia Paving Co., Philadelphia, \$60,423.75.

Bradford County, Wilmont and Terry Townships, Route 13. Length, 26,215 feet. Either bituminous surface course on a concrete foundation, or one course reinforced concrete. B. G. Coon Const. Co., Luzerne, Pa., \$236,335.00.

Bradford County, Wysox and Rome Townships, Route 15. Length, 19,215 feet. Either bituminous surface course on a concrete foundation, or one course reinforced concrete. T. H. Gill Co., Binghamton, N. Y., \$149,535.97.

Bradford County, Towanda Borough, Route 15. Length, 565 feet. Vitrified brick. T. H. Gill Co., Binghamton, N. Y., \$12,844.20.

Bucks County, Falls Township, Route 150. Length, 20,902 feet. Either bituminous surface course on a concrete foundation, or one course reinforced concrete. Benj. Foster Co., Philadelphia, \$144,085.50.

Clearfield County, Decatur Township, Route 234. Length, 11,222 feet. One course reinforced concrete. Gifford & Pritchard, Phillipsburg, Pa., \$97,224.65.

Clearfield County, Bigler Township, Route 234. Length, 5,400 feet. One course reinforced concrete. Gifford & Pritchard, Phillipsburg, Pa., \$56,569.50.

Clearfield County, Wallacetown Borough, and Boggs and Bradford Townships, Route 57. Length, 39,911 feet. One course reinforced concrete. Dowler & Anderson, Clearfield, Pa., \$421,579.70.

Erie County, Northeast Township, Route 304. Length, 7,900 feet. Either bituminous surface course on a concrete foundation and hillside vitrified brick, or one course reinforced concrete and hillside vitrified brick. Elmer L. Love & Son, Corry, Pa., \$72,523.80.

Erie County, Harbor Creek Township, Auth. 396. Length, 11,207 feet. One course reinforced concrete. Good Roads Const. Co., Erie, Pa., \$87,177.50.

Fayette County, Perry and Jefferson Townships. Length, 14,496 feet. One course reinforced concrete and hillside vitrified brick. Strawn Cont. Co., Uniontown, Pa., \$157,037.25.

Fayette County, Dunbar Township, Route 247. Length, 5,950 feet. One course reinforced concrete and hillside vitrified brick. W. H. Wilkey, Uniontown, Pa., \$63,322.70.

Fayette County, Stewart Township, Route 366. Length, 31,452 feet. One course reinforced concrete and hillside vitrified brick. W. H. Wilkey, Uniontown, Pa., \$287,153.72.

Fayette County, Connellsville and Bullskin Townships, Route 366. Length, 15,186 feet. Vitrified brick. MacArthur Bros., New York, N. Y., \$268,150.80.

Lackawanna County, Clarks Summit Borough and Clarks Green Borough, Route 365, Appli. 579. Length, 5,708 feet. One course reinforced concrete. T. W. Reilly & Co., Lancaster, Pa., \$54,080.10.

McKean County, Bradford Township and Lewis Run Borough, Route 97. Length, 31,268 feet. Either one course reinforced concrete or monolithic vitrified brick. Martin Dolan, Jamestown, N. Y., \$269,561.87.

Montgomery County, Bridgeport Borough, Route 143. Length, 3,059 feet. One course reinforced concrete and hillside vitrified brick. C. F. Fish Co., Philadelphia, \$34,983.20.

Somerset County, Conemaugh Township, Route 317. Length, 42,272 feet. One course reinforced concrete and hillside vitrified brick. MacArthur Bros. Co., New York, \$470,098.27.

Somerset County, Summit Township, Route 51. Length, 20,109 feet. Grading and drainage. Cumberland Const. Co., Cumberland, Md., \$129,524.04.

Tioga County, Knoxville Borough, Route 103, Appli. 425. Length, 3,641 feet. Either bituminous surface course on a concrete foundation, or one course reinforced concrete. D. J. DeLong, Williamsport, Pa., \$89,500.00.

Venango County, Plum Township, Route 89. Length, 3,419 feet. One course reinforced concrete. Peter F. Connolly, Koppel, Pa., \$51,544.60.

Westmoreland County, L. Burrell and Allegheny Townships and Arnold Borough, Route 188. Length, 38,434 feet. One course reinforced concrete and hillside vitrified brick. State Const. Co., New Kensington, Pa., \$416,039.15.

Westmoreland County, eDrry Township, Appli. 65. Length, 29,335 feet. One course reinforced concrete. MacArthur Bros., New York, \$308,017.10.

Westmoreland County, Hempfield, Salem and Washington Townships and Delmont Borough, Route 69. Length, 57,688 feet. One course reinforced concrete and hillside vitrified brick. Benj. Foster Co., Philadelphia, \$676,475.52.

Westmoreland County, Derry Township, Route 68. Length, 32,047 feet. One course reinforced concrete and hillside vitrified brick. MacArthur Bros. Co., New York, \$399,897.41.

Residence, Summit Road, Springfield, Pa. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, Ernest Maisel, Springfield, Pa. Stone, 3 stories, 30x36 feet, shingle roof, oak and composition floors, hot water heat, electric lighting, tile work. Plans in progress. Owner will be ready for sub-bids in two weeks.

Residence and Garage, Wynnefield, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, Robert Toland, Wynnefield, Pa. Frame, 2½ stories, 41x32 feet. Garage, stone and concrete, 1 story, 15x20 feet, shingle roof, oak and pine floors, electric lighting, tile work (plumbing and heating separate bids). E. J. Hedden, Finance Building, is taking sub-bids.

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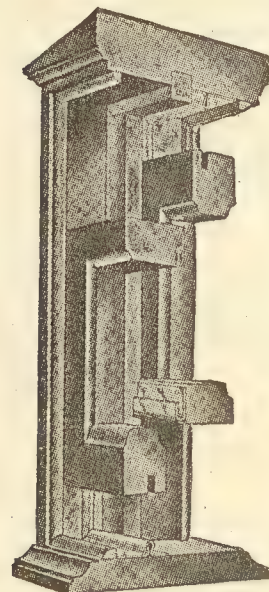
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**Pennsylvania****Contracts Awarded**

Garage, Fifteenth and Walnut streets, Chester, Pa. Architect, private plans. Owner, Mr. Seth, City Hall, Chester, Pa. Brick, 1 story, 50x60 feet, slag roof, cement floors, steam heat, electric light, gasoline storage system. Contract awarded to R. H. Scroggins, Crozer Building, Chester, Pa.

Store and (3) Garages, Fifth and Concord streets, Chester, Pa. Architect, private plans. Owner, J. M. Harper, Chester, Pa. Brick, 2 stories, irregular size, slag roof, cement and pine floors, steam heat, electric light, plate glass, metal window guards. Contract awarded to R. H. Scroggins, Crozer Building, Chester, Pa.

Garages (5), St. Charles and Welch streets, Chester, Pa. Architect, private plans. Owner, J. M. Harper, Chester, Pa. Brick, 1 story, 8x20 feet, slag roof, cement floors, electric light. Contract awarded to R. H. Scroggins, Crozer Building, Chester, Pa.

Residence (alt. and add.), Jefferson and Greenedge streets, Scranton, Pa. Architect, D. A. Morgan, Connell Building, Scranton, Pa. Owner, George E. Brooks, on premises. General interior alterations, painting, hardwood floors. Contract awarded to John Perks, 218 Clay avenue, Scranton, Pa.

Factory (alt.), Parrish street, Wilkes-Barre, Pa., \$6,000. Architects, George Schroeder and C. J. Schmitt, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, B. Gottlieb, Wilkes-Barre, Pa. Brick, 1 story, 22x150 feet, slag roof, plastering, electric lighting, plumbing, steam heating. Contract awarded to O. J. Burns, Wilkes-Barre, Pa.

Residence, Washington street, Scranton, Pa., \$30,000. Architects, Morris & McHale, Burr Building, Scranton, Pa. Owner, D. F. Williams, Washington avenue, Scranton, Pa. Frame and stucco, 3½ stories, 67x49 feet, slate roof, hardwood floors, vapor vacuum heating, electric lighting, plumbing fixtures (heating and electric work reserved). Contract awarded to Slender Bros., Providence road and Albright avenue, Scranton, Pa.

Residence and Garage (general manager's), Indiana, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Clearfield Bituminous Coal Corp., Indiana, Pa. Hollow tile, 2½ stories, 40x50 feet, garage, 1 story, 21x22 feet, shingle roof, hardwood and cement floors, convertible heating, electric light. Contract awarded to J. W. Klingensmith, Indiana, Pa.

Store, Fourth and Market streets, Chester, Pa. Architect, private plans. Owner, Charles Botham, Chester, Pa. Brick, 1 story, 40x24 feet, slag roof, pine floors, hot air heat, electric light. Contract awarded to R. H. Scroggins, Crozer Building, Chester, Pa.

Filling Station, Lancaster avenue, Ardmore, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owners, Sun Oil Co., Marcus Hook, Pa. Hollow tile and plaster, 1 story, 13x25 feet, blue tile roof, cement floors, hollow tile, electric lighting, stone foundations, waterproofing (heating reserved). Contract awarded to Barclay White & Co., 1713 Sansom street, Philadelphia.

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## New Jersey Construction News

**Jefferson School (add.)**, Trenton, N. J. Architect, W. A. Poland, 9 South Stockton street, Trenton, N. J. Owner, Board of Education, City of Trenton, N. J. Brick, terra cotta, steel, 3 stories, 161x84 feet, stone foundations, slag roof, yellow pine floors, tile work, rolled steel sash and skylights, metal lath, roof ventilators, dampproofing, iron work. Owners have received bids.

**Department Store**, Atlantic City, N. J. Architects, Price & McLanahan, Bellevue Court Building, Philadelphia. Owners, Braunstein & Blatt, Atlantic City, N. J. Brick and plaster, 8 stories, 110x125 feet, slag roof, pine and maple floors, hollow tile, stone foundations, marble work, hollow metal sash and skylights, kalamein doors, iron work (plumbing, heating, electric lighting and elevator reserved). Architects taking bids due November 6th. Cramp & Co., Deenkla Building, and Warren-Moore Co., Colonial Trust Building, Philadelphia, are figuring.

**Residence (alts. and add.)**, **Garage and Boat House**, Atlantic City, N. J. Architects, De Armond, Ashmead and Bickley, Franklin Trust Building, Philadelphia. Owner, S. K. Mulford, care of architects. Frame and shingle, 2 stories, 20x30 feet, garage, 1 story, 15x20 feet, boat house, 1 story, 20x40 feet, shingle roof, pine and cement floors, hot water heat, electric light, tile work. Architects taking bids and sub-bids due November 10th. Charles S. Corson, Linwood, N. J.; J. Vaughn Mathis and Wilbur Beaumont, both of Atlantic City, N. J., are figuring.

**Residence (alts. and add.)**, southwest corner of Vermont and Pacific avenues, Atlantic City, N. J. Architect, J. R. Ogden, 143 South South Carolina avenue, Atlantic City, N. J. Owner, Edward Ost, on premises. Asbestos shingle or stucco, slag roof, hot water heat, electric light, tile and marble work. Architect taking bids, due November 3rd.

**Stores and Apartments**, Ventnor and Weymouth avenues, Ventnor, N. J. Architect, J. R. Ogden, 143 South South Carolina avenue, Atlantic City, N. J. Owner, A. A. Stevens, Ventnor, N. J. Brick and tile, asbestos shingle roof, hot water heat, electric light, tile work. Owner is taking sub-bids.

**Garage**, 119-121 North Pennsylvania avenue, Atlantic City, N. J., \$15,000. Architect, J. R. Ogden, 143 South South Carolina avenue, Atlantic City, N. J. Owner, Wm. McDonnell, on premises. Brick and hollow tile, 50x150 feet, slag roof, cement floors, hot water heat, electric light. Owner taking sub-bids.

**Building (alts. and add.)**, 1239 Boardwalk, Atlantic City, N. J., \$10,000. Architect, J. R. Ogden, 143 South South Carolina avenue, Atlantic City, N. J. Owners, Smith Rolling Chairs, on premises. Hollow tile, slag roof, electric lighting, galvanized iron work. Owners taking sub-bids.

**Store (alts. and add.)**, New Jersey and Atlantic avenues, Atlantic City, N. J. Architect, J. R. Ogden, 143 South South Carolina avenue, Atlantic City, N. J. Owner, David R. Sandler, on premises. Pompeii brick, parquet flooring, hot water heating, electric lighting. Architect is ready for bids.

**Garage**, Liberty and Chamber streets, Trenton, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owner, Mr. T. Miller, West street, Trenton,

N. J. Brick, 1 story, 25x100 feet, slag roof, cement floors, steam heat, electric light, terra cotta partition, gasoline storage system. Architect will be ready for bids November 7th, due November 11th.

**Storehouse**, Vineland, N. J. Architect, F. H. Bent, Capitol Building, Trenton, N. J. Owners, State Home for Feeble Minded Women, care of Dr. Madeline Howell, on premises. Brick, 1 story and basement, 81x49 feet, concrete foundations, slate roof, electric light, cold storage plant, reinforced concrete stairs. Plans in progress. Architect will be ready for bids in three weeks.

**School**, Stephens, N. J. Architect, W. Kleemann, First National Bank Building, Trenton, N. J. Owners, Board of Education, Burlington Township, N. J. Brick, 1 story, 63x39 feet, slate roof, pine floors, stoves, electric light. Owner is taking bids. G. W. Shaner, Palmyra, N. J., and W. B. Miller, Edgewater Park, N. J., are figuring.

**Factory Buildings (2) and Kiln Shed**, Trenton, N. J. Architect, J. O. Hunt, Montgomery avenue, Trenton, N. J. Owners, Maddock Pottery Co., Third and Landing streets, Trenton, N. J. Brick, 2½, 2 and 1 stories, 50x120 feet, 61x120 feet and 160x46 feet, reinforced iron and slag roof, concrete floors, steam heat, rolled steel sash, hollow tile, roof ventilators, fire doors. Architect has received bids.

**Residences (24) (alts. and add.)**, Jarbis Place, Trenton, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Tren-

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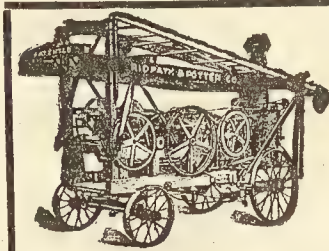
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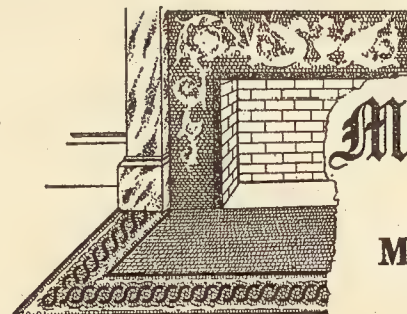
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ton, N. J. Owner, Sam Hilton, First Richey Building, Trenton, N. J. General interior and exterior alterations, steam heating, electric lighting. Plans in progress. Owner will take sub-bids.

**Residence**, Hamilton street, Trenton, N. J., \$6,900. Architect, private plans. Owner, Elmer H. Stout, 343 Berwyn street, Trenton, N. J. Brick, 2½ stories, 20x50 feet, concrete foundations, slate roof, steam heat, electric light, hardwood floors. Owner will build.

**New Jersey****Contracts Awarded**

**Factory Buildings**, Elizabeth, N. J., \$6,000,000. Architect, private plans. Owners, Willys Corporation, Elizabeth, N. J. Reinforced concrete and steel, 1, 2 and 4 stories, 120x1440 feet, 320x400 feet and 50x90 feet, concrete foundations, Johns Manville roof, concrete and composition floors, tile work, rolled steel sash, fire and kalamein doors, waterproofing, dampproofing (heating and electric lighting reserved), hollow tile, safety treads, ornamental iron work. Contract awarded to Warren-Moore Co., Colonial Trust Building, Philadelphia.

**Theatre**, South Broad street, Trenton, N. J. Architect, Wm. Slack, St. Regis Theatre Building, Trenton, N. J. Owner, Wm. J. Vernon, South Broad street, Trenton, N. J. Brick, terra cotta trim, 1 story, 100x175 feet, stone foundations, slag roof, tile, concrete and composition floors, steam heating, electric lighting, tile and marble work, hollow metal skylights, fire doors. Contract awarded to R. J. Clark, 43 Passaic street, Trenton, N. J.

**Residence**, Morris Plains, N. J., \$11,000. Architect, F. H. Bent, State Capitol Building, Trenton, N. J. Owners, New Jersey Hospital for Insane, care of Dr. B. D. Evans, on premises. Hollow tile and stucco, 2 stories, 31x31 feet, concrete foundations, slate roof, hardwood floors, electric lighting. Contract awarded to Hudson Const. Co., Jersey City, N. J.

**Factory (add.)**, Calhoun street, Trenton, N. J., \$15,500. Architect, private plans. Owners, Fitzgibbon & Crisp, Inc., Prospect and Ewing Road, Trenton, N. J. Brick and steel, 1 story, 60x30 feet, concrete foundations, slag roof, wood, concrete floors, tile work. Contract awarded to Newton Bugbee Co., 206 East Hanover street, Trenton, N. J.

**Miscellaneous****Construction News**

**Loft Building, Garage and Boiler House**, Morgan and Devoe streets, Borough of Brooklyn, New York City. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, N. Alexander & Co., New York City. Reinforced concrete, 4 stories, and concrete and Kittanning brick, 1 story, slag roof, concrete floors, elevators, safety treads, concrete foundations, steam heat, electric light, rolled steel sash and skylights, fire and kalamein doors. Architects taking bids due November 10th at 10.30 A. M. at the New York Office. Warren-Moore Co., 347 Madison avenue; American Concrete Steel Co., 50 Broadway; Industrial Eng. Co., 30 Church street; William L. Crowe Const. Co., 103 Park avenue; Fred T. Ley Co., 19 West Forty-fourth street; Turner Cont. Co., 242 Madison avenue; Clough-Bourne Corp., 101 Park ave-

nue; Northeastern Const. Co., 101 Park avenue, and W. L. & G. H. O'Shea, 29 Broadway, New York City, are figuring.

**Garages (26)**, Gordon street, Wilmington, Del., \$5,850. Architect, private plans. Owner, W. H. Klair, 303 North Eighth street, Wilmington, Del. Brick, 1 story, 10x16 feet, slag roof. Contract awarded to W. H. Hollingsworth, Wilmington, Del.

**Garage**, 463 French street, Wilmington, Del., \$12,000. Architect, private plans. Owner, Isadore Keil, 405 King street, Wilmington, Del. Brick, 1 story, 42x109 feet, slag roof, cement floors, concrete foundations, electric lighting. Contract awarded to Spier Const. Co., 816 Jefferson street, Wilmington, Del.

**Bank Building**, Lockport, N. Y., \$200,000. Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, National Exchange Bank of Lockport, Lockport, N. Y. Granite or marble, 1 story, 50x60 feet, slag roof, tile, marble and bronze work. Owners taking bids, due at Lockport, N. Y., December 3rd at 3 P. M. H. E. Baton, 1713 Sansom street; Cramp & Co., Denckla Building; Geo. A. Fuller Co., Widener Building, Philadelphia; B. R. Crooker, Builders' Exchange, Buffalo, N. Y.; Metz Bros. Co., 1297 Fillmore avenue, Buffalo, N. Y.; Fox Reynolds Co., 81 East 125th street, New York City, and Andrew O'Brien, Lockport, N. Y., are figuring.

**Factory and Warehouse**, Erie avenue, near Division street, North Tonawanda, N. Y., \$150,000. Architects, Wm. Steele & Sons Co., 1600 Arch street, Philadelphia. Owners, Buffalo Sled Co., J. J. Snyder, president, Tonawanda, N. Y. Reinforced concrete, steel, brick and stone. Plans in progress.

**Proposals****INVITATION FOR PROPOSALS**

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., October 21, 1919.—Sealed proposals will be received at this office until 3 P. M. November 18, 1919, and then opened, for remodeling at the United States Post Office and Custom House, Fall River, Mass., in accordance with the specifications and drawings mentioned therein, copies of which may be had at this office or at the office of the custodian, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., October 20, 1919.—Sealed proposals will be opened in this office at 3 P. M. November 20, 1919, for furnishing materials for the construction of the United States Post Office at Lewistown, Pa., including materials for concrete, reinforced concrete, stone, granite, brick, structural terra cotta, structural steel, miscellaneous iron and steel work, composition roofing, slate roofing, sheet metal work, skylights, plastering, interior marble, sanitary slate, lumber, millwork, painting, glazing, hardware, plumbing, heating, electric work, etc., in accordance with drawings, specifications and bills of quantities attached thereto, copies of which may be obtained from the custodian of the site at Lewistown, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

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## INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 20, 1919.—Sealed proposals will be opened in this office at 3 P. M. November 20, 1919, for furnishing the labor required in the construction complete, with materials that will be furnished by the Government, of the United States Post Office Building at Lewistown, Pa. Drawings and specifications may be obtained from the custodian of the site at Lewistown, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Oct. 24, 1919. Sealed Proposals will be opened in this office at 3 P. M., November 24, 1919, for remodeling the United States Post Office Building at Chester, Pa. Drawings and specifications may be obtained from the Custodian of the building at Chester, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 17, 1919. Sealed Proposals will be received at this office until 3 P. M., November 14, 1919, and then opened, for new mailing vestibule and extension of driveway at the U. S. Post Office at Wilkes-Barre, Pa., in accordance with the specifications and drawing, No. 87, copies of which may be had at this office or at the office of the Custodian, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., October 30, 1919. Sealed Proposals will be received at this office until 3 P. M., November 26, 1919, and then opened, for extension of mailing vestibule and driveway at the U. S. Court House and Post Office, Williamsport, Pa., in accordance with the specification and drawing No. 46, copies of which may be had at this office or at the office of the Custodian, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

(Continued from Page 692.)

old idea that within his lot lines a man owned as far down as he could dig and as far up as he could build is being outgrown. His neighbors and the community now have an interest in the use to which he puts his property.

The arraignment against the high building, briefly stated, is that it shuts out sunlight from the street and opposite buildings, it puts the city to heavy expense in providing fire protection, water supply and sewage, it is the cause of congestion on the street, adding seriously to the traffic problem. There are also economic considerations raised by the disturbance of land values. This particular phase of the subject is ably presented in an article, "City Taxation and Skyscraper Control,"

by George L. Hoxie, in the *Journal of Political Economy*, February, 1915.

*Factors Influencing Control.*—The matter of sunlight enters prominently into any proposed regulation limiting the height of buildings. How much sunlight shall be shut from the building across the street? The altitude of the sun at noon is equal to 90 degrees—(Latitude plus Declination). From this equation it is easily found that on the 22d of December a building 100 feet high in New York City on the south side of a street running east and west shuts off the direct rays of the sun for a distance of 202 feet from the base.

Two interesting charts are given in the report of a committee of the Minneapolis Civic and Commerce Association on Limitation of the Heights of Buildings. The first shows that if the south side of an 80-foot street running east and west should be built up solidly with buildings 140 feet high, similar buildings on the north side will receive no direct sunlight below the tenth floor for a period of several weeks in December of each year, no direct sunlight below the seventh floor until after March 21st of each spring, and no direct sunlight on the first floor except for a few weeks in June of each year. The second chart shows that the twelfth floors of buildings 140 feet high on an 80-foot street running north and south have the greatest amount of sunlight—namely, five hours at the equinoxes—while the lower floors have the least amount—one and one-half hours at the same date.

The natural angle of light is 45 degrees. With this assumption a height no greater than the width of the adjoining street will not shut off light from the opposite neighbor. The code of New Rochelle, N. Y., has the provision, "No building shall project above a line of 45 degrees from horizontal, taken from the building line opposite on the widest street on which it fronts." However, with natural light and sunlight a certain amount of reflected light is obtained. Assuming this at 15 degrees, we have a 60-degree light angle, which the Minneapolis report referred to above states should be the maximum angle used in establishing heights. This allows the height of a building to be one and three-fourths times (1.73 to be exact) the width of the street.

It is evident that if light alone were considered in limiting building heights, tower buildings would be shut out. "One of the glories of New York is its towers." A scheme proposed by the architect, Ernest Flagg, limits three-quarters of every plot of land to a building height not

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to exceed one and one-half times the width of the street on which it faces, with a maximum height of 100 feet. No limit is to be placed on the remaining portion of the plot. An owner is allowed to dispose of his right to build high in favor of any adjoining plot.

It has been suggested that volume be limited rather than height. A regulation worked out for the city of Houston is, "A building may occupy the entire lot to a height not exceeding the width of the principal street upon which it faces, and not exceeding in any case 100 feet. Above this height the cubage of the building shall not exceed one-fourth of such height multiplied by the area of the lot." ("The Regulation of the Height of Fireproof Commercial Buildings," by Arthur C. Comey in "Proceedings of the Fourth National Conference of City Planning.") This regulation does not seem to have been adopted; at least, it is not a part of the present building code of Houston.

In England and on the Continent the skyscraper is unknown. The maximum heights allowed in 29 European cities range from 43 feet in Zurich to 82 feet in Vienna. (Table in Report of the Heights of Buildings Commission of New York City.)

*Present Limiting Heights.*—A common limitation of heights of fireproof buildings is two and one-half times the width of the street with an absolute limit. Boston has a commission on the heights of buildings. The first commission was appointed in 1904 and by an act passed that year the city was divided into two districts. No building in district "A" can be carried to a height of more than 125 feet above the grade of the street; in district "B" the height is limited to 80 feet. The height of no building in the city may exceed two and one-half times the width of the street. The Ames building, 189 feet high, and two or three others over 125 feet, were built before the act of 1904 was in force. The litigation that arose from the Boston restriction forms an interesting chapter in legal history.

Other cities in which an absolute limit of 125 feet is in force are Augusta (Ga.), Cambridge, Charleston, Kansas City (Kan.), Houston, Manchester, Portland (Me.), Seattle, Shreveport, Springfield (Mass.), Waltham and Worcester. Kansas City and Houston reduce the limit of 25 to 100 feet if the building is used for stores, factories or as a warehouse. In Altoona no building can be more than 125 feet high "except by special permission." Columbia, S. C., has a limit of two and one-half times the width of the street, with a maximum of 125 feet, "except it be used exclusively for an office building."

In Brookline the limit is two times the width of the street, with a maximum of

80 feet. Fitchburg has an absolute limit of 100 feet, and Providence 120 feet. In Washington the height can not exceed 130 feet, "except on the north side of Pennsylvania avenue between First and Fifteenth streets, Northwest, where an extreme height of 160 feet will be allowed." Los Angeles, Pasadena, St. Louis, San Diego, Oakland and South Bend permit a height of 150 feet, though in the latter two the height may not exceed one and one-half times the width of the street.

The code of Portland, Ore., has a classification of building heights based upon the occupancy of building and the ratio of height to least dimension at base. For skeleton frames the maximum height is 160 feet and five times the least horizontal dimension at the base may not be exceeded. In Spokane the maximum height is 152 feet; in Grand Rapids and Minneapolis, 170 feet; in Baltimore, 175 feet; in Dayton, 180 feet; in Chicago, Cleveland, Erie, Indianapolis, Newark and Paterson, 200 feet; in Milwaukee, 225 feet; in New York and St. Paul, 250 feet.

Buffalo limits the height to four times the least horizontal dimension of the building, and Denver to four times its least dimension, but not to be more than 12 stories. In Lincoln the limiting height is four times the smallest horizontal dimension at the first floor level. In Seattle "the height of fireproof buildings, except as otherwise provided, shall be regulated by a successive reduction of the areas of the floors above the third floor."

The "Building Zone Resolution" of New York City, adopted July 25, 1916, provides "For the purpose of regulating and limiting the height and bulk of buildings hereafter erected, the city of New York is hereby divided into five classes of districts: (a) one times district, (b) one and one-quarter times districts, (c) one and one-half times districts, (d) two times districts, (e) two and one-half times districts, as shown on the height district map which accompanies this resolution and is hereby declared to be part hereof." As may be inferred, the width of the street is the base for determining height, although from two to five feet may be added to the height of the building for every foot it is set back from the street line. On streets more than 100 feet in width the same height regulations are in force as on streets 100 feet wide. This makes the absolute limit 250 feet, as previously mentioned.

Cincinnati, Detroit, Louisville, Philadelphia and San Francisco are among the large cities in which there is no restriction upon the heights of fireproof buildings. The code of Detroit expressly states, "Fireproof construction buildings shall not be limited in height." The

codes of San Francisco and Salt Lake City have a paragraph, "Class A buildings with all wall loads above the third floor carried on the steel frame shall not be limited as to height."

*The Skyscraper of the Future.*—In 1910 only a dozen cities restricted the height of fireproof buildings. The number has now increased to 50. Other cities will doubtless be added to the list in a few years. A dominant factor in bringing this about will probably be the desire to stabilize property values. In a large city without restriction and already having skyscrapers, the system of control to be adopted must, unless it be cruelly unjust, apply equally to the existing skyscraper and to new skyscraper construction. . . . The problem of equalizing the lot of real estate owners who have, and who have not, already put up skyscrapers is one of the most serious character." Had New York and other large cities taken hold of the subject twenty-five years ago, the situation would be far different from what it is at present. The obvious lesson for the smaller city is to ordain from the start the control that will probably be needed in its future growth. The State building code of Wisconsin will be quoted: "This code sets no limit to the height of a fireproof building, as it is felt that this is a matter of general community welfare rather than the safety of the individual occupants. The Industrial Commission strongly recommends that each municipality adopt such a limit, before the rise in central land values makes such action a hardship to the property owner."

The altruistic suggestion has been advanced that no single freeholder should be permitted to build to a greater height than would be permissible for all others to build in a similar way. If this were done, the height limit would be low, much less than the 125-foot limit of Boston. Imagine long streets banked solidly on each side with ten-story buildings! If extended over wide areas, the city would be uninhabitable. That such a condition should come to pass is too improbable to be anticipated.

However, ideal regulations for skyscrapers include limits for area as well as limits for height. A building that fully covers a lot is entirely dependent upon the adjacent streets and lots for light and air. If several adjoining lots are thus built upon there can be but an insufficiency of these essentials to convenience and health.

The city of St. Louis has recently passed an ordinance regulating the height, area and use of all new buildings. The city is divided into three types of districts—five heights districts (known respectively as the 45-foot, 60-foot, 80-foot, 120-foot and 150-foot heights district),





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four area districts and five use districts. The practical working of this latest word in city zoning will be watched with interest.

### VIBRATION PROBLEMS IN INDUSTRIAL BUILDINGS.

One of the least studied of the many industrial problems is the effect of vibration in factory buildings. In the technical publications little has been published that covers in any comprehensive manner the vibratory problems in industrial establishments, but what little has been done, however, in studying the subject has indicated the importance that is attached to the elimination of disturbing vibratory influences. Factory buildings, on account of the machines operating in them, are peculiarly susceptible to vibration, which, by acting on the nervous susceptibilities of the workers, causes reduced efficiency, poorer work, and slower speed.

Two sources of vibration may be apparent—internal or external. Vibration from internal sources results from the motions of machines or equipment, which may be transmitted to the floor and walls of the structure, while externally caused vibration is produced from sources entirely outside the building. The study of vibration and its effects, and how it may be eliminated or avoided, is a complex problem at best, inasmuch as it is difficult to assign specific causes to the effects produced or to analyze the intricate influences concerned. Conditions in factories vary to such a degree and the personal factor is so inconstant that there is a great diversity of opinion as to just where vibration begins to prove harmful. The best that can be done, therefore, is to cover only some of the more general factors associated with the subject.

Vibration of a building may have a very serious effect on workmen. If it is at all severe, the efficiency of their labor may be very materially reduced and the output will be smaller, while employees will reach a state of fatigue sooner. By taking measures to counteract the vibratory effects it has been found that greater human efficiency is possible with higher speed of workmanship and a better quality of work. Closely coupled with the efficiency of the worker is that of the machine, which is affected by vibration in one way or another. The effect on machinery is manifested in decreased output. The experiences of factory owners who have installed old equipment in new and stable buildings indicates that the output of these machines has greatly increased, due entirely to the elimination of vibration.

Factory building vibration is often responsible for waste of power and diffi-

culties with line shafting. The vibration, in such a case, results in a misalignment, which makes it impossible to keep shafting true, with the result that added friction produces a loss of power. Trouble is often occasioned, further, with crystallization of machine parts on account of the vibratory effects, for, where the machines are not cushioned, severe vibrations may result in crystallization of the metal parts and end in their breakage.

Every part of a building has a natural pitch, and, when set in motion, will vibrate at a periodic number of oscillations. The entire building, as well as its component members, conforms to this characteristic. The most harmful condition takes place when the frequency of the source of vibration coincides with the frequency of the building. When these are coincident, the action is aggravated, and may produce serious results. The effect of coincidence between the natural frequency of vibration of a floor and that of the source of disturbance is well illustrated by an experience contained in the report of the Aberthaw Construction Company, who have been conducting comprehensive investigations on the effect of vibration in structures. The case in point had to do with the testing of a small engine upon a floor of timber construction. At a speed of about 550 revolutions per minute the intensity of the floor vibration was so great that it was impossible to work in the drafting room, located on the same floor more than 100 feet away, but this effect entirely disappeared when the speed was either increased or decreased by about 50 r. p. m. If the cause of vibration be intermittent and of a different frequency, the result will be a breaking-up of vibrations.

Vibration transmitted from sources outside the building are the most difficult to trace and the most difficult to overcome. The effect of passing trains is very common, and the transmission is due either to soil and rock vibrations or to atmospheric vibrations. In regard to vibration from external sources, Mr. Maurice Deutsch, C. E., is quoted in the report referred to as follows:

"Vibrations have of late been absorbing the attention of not only scientists, but of the general public, in large cities. Since the introduction of skyscrapers, towering far above adjoining buildings, of large printing plants and power houses, diversified complaints of vibration are frequently heard. The operation of heavy bed presses and reciprocating engines leave in their path a tremor to which many adjoining buildings are so naturally attuned that the vibrations are often not only annoying, but dangerous, both to the building in which the ma-

chinery may be operating and to adjoining structures.

"In concrete steel monolithic structures, when properly designed, the entire mass acts as a unit to absorb vibrations, the main tendency being to set up an oscillatory motion of the entire structure; but this can generally be avoided if proper foundations are constructed, and if such precautions are taken in the location, arrangement and operations of the moving machinery as have been found from experience would materially reduce the possible transmission of vibrations."

Absence of vibration in industrial buildings can be attained by giving due respect to the rigidity of the structure, to foresight in the placing of certain machines on solid foundations, to the proper cushioning of others, and to such arrangement of duplicate machines operating at the same speed as to avoid cumulative effect. Old buildings are usually more susceptible to vibratory influences than more modern buildings, inasmuch as they are often unsuited to present-day requirements, and, moreover, many conditions which would receive immediate attention in up-to-date factories are often allowed to continue in old buildings.—*Architect and Engineer.*

### GREAT INCREASE IN BUILDING WORK

Permits issued at the Bureau of Building Inspection, City Hall, Philadelphia, show an increase for the first ten months of 1919 over the same period 1918 of \$30,593,425.

|                    | Permits. | Oper.  | Est. Cost.   |
|--------------------|----------|--------|--------------|
| 10 months, 1919... | 8,313    | 12,574 | \$44,700,765 |
| 10 months, 1918... | 4,366    | 5,249  | 14,107,340   |

Increase ..... 3,947 7,325 \$30,593,425  
In October, 1919, 956 permits were issued for 1,190 operations, on which estimated cost is \$4,840,005.

### HOLLOW BUILDING TILE GROWING IN FAVOR.

Hollow building tile, in common with other structural products, decreased in quantity and value in 1918, says the Geological Survey, but its decrease in value was smaller than the decrease in the value of any other structural materials except fancy brick and enameled brick, which are minor products. The output in 1918 was 1,964,000 tons, valued at \$12,980,000, which, when compared with that in 1917, 2,590,028 tons, valued at \$13,255,433, shows a decrease of 626,000 tons, or 24 per cent. in quantity, and of \$275,000, or 2 per cent., in value. Hollow building tile was used by the government in large quantities in 1918, and its greatly increased use in the future seems assured, as it is not only desirable material for use in partitions and floors in large buildings in a city, but for use in dwellings, barns, silos, and other buildings in the country.—*Ex.*



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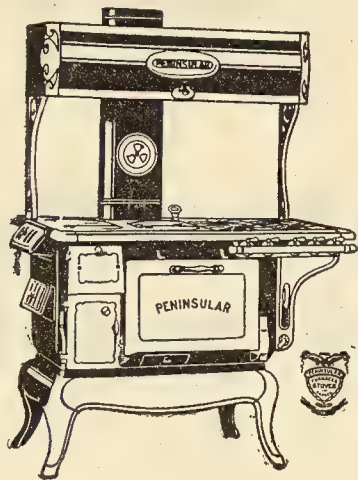
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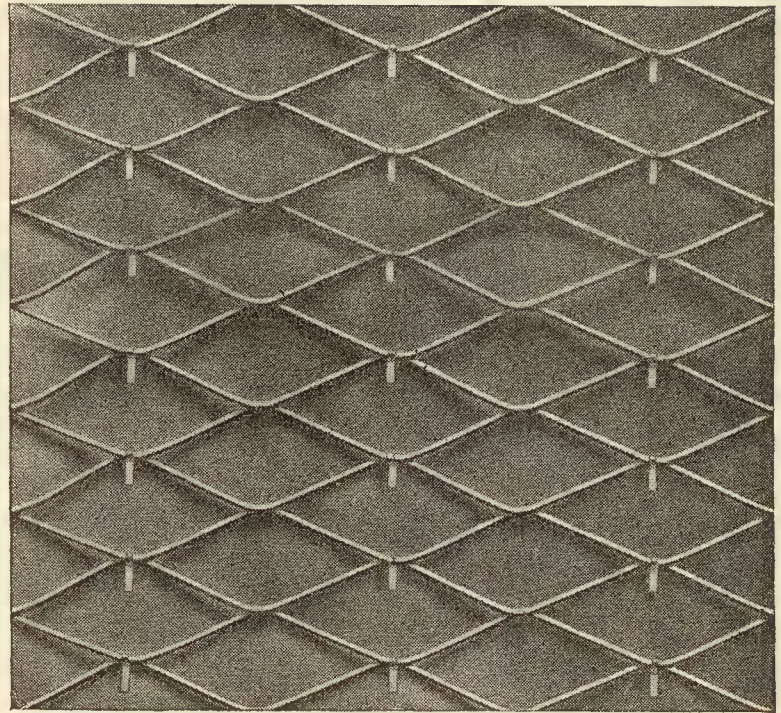
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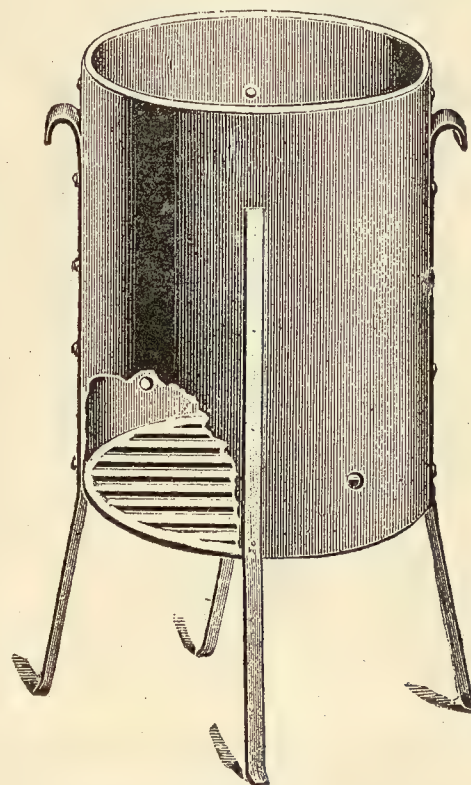
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Wagner, Taylor, Edson Co., Inc. ....422 Walnut St., Phil.  
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Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XXXIV, No. 46  
November 12, 1919

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors  
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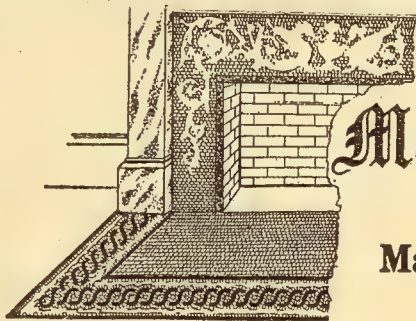
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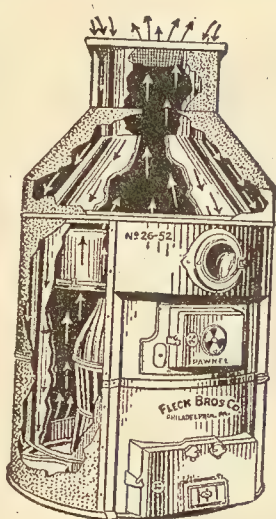


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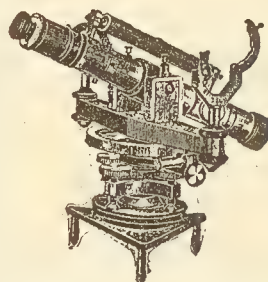
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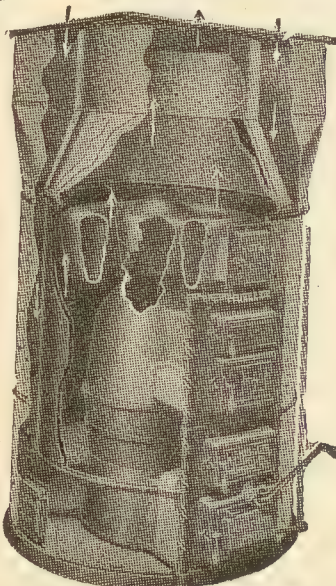
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 46

PHILADELPHIA  
November 12, 1919

## BUILDERS' GUIDE

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## As The Editor Sees It



**M**ANY arguments have recently been advanced upholding the advisability of "building now." We have heard no more convincing argument than that offered by S. W. Straus & Co. of New York and Chicago, a banking concern which has been in the building loan business for years. Their argument is the very concrete one—i. e. they are willing to loan \$500,000 or more on building projects.

"We believe it our duty to advise corporations and individuals who have been hesitating to build in the face of present construction costs that it is our firm conviction that existing prices will not decline.

"In the production of building material, labor, transportation and fuel constitute, at a minimum, 75 per cent. of the cost of construction, and careful analysis of fundamental conditions show no likelihood of a decrease in the cost of any of these prime essentials.

"Added to this is a nation-wide shortage of buildings, which will require at least five years of intense activity to meet.

"For these reasons, the investment value of building now is obvious. Every consideration of self-interest and public service justifies going ahead."

\* \* \*

**B**UILDING is daily assuming a more and more important aspect, particularly in its relation to the strikes now gripping and overwhelming the country and its prosperity. No doubt the

greatest of all building needs at present is that of providing homes for workmen. In the opinion of the Southern Pine Association, a difficult though insistent problem confronting industry today is that of providing proper living conditions for workmen and their families, to insure the adequacy, stability and efficiency of labor. At hundreds of places there is need for more houses and better houses. In some centers where abnormal development has taken place the housing shortage is so acute that factory output cannot be brought up to the required volume. Community housing enterprises, undertaken along proper lines, will avoid the methods of speculative builders, and will not find their incentive in the earning of large dividends and profits to investors. While industrial housing projects should, and will if properly managed, yield a return on the investment, those financing housing companies will derive their principal gain indirectly through general community betterment, which has a distinct and tangible value. The manufacturer will, of course, be the principal beneficiary, and will accordingly bear the greater part of the housing burden, if there must be a burden. While the benefits to the manufacturer are quite generally recognized, the community benefits derived from a well-housed and, therefore, contented and self-respecting labor element, have rarely been given proper consideration in this country. An established industrial community can have no

better asset than an adequate supply of well-built, attractive homes, for the reason that it is to that town or city in which the labor supply is stable, and its standards of morality and industry in consequence high, that the manufacturer seeking industrial location instinctively turns. Everywhere that properly conceived housing program has been put into effect in a manufacturing community it has been attended by an increase in the prosperity of all the mercantile and financial, as well as the manufacturing elements of the community, and also an advance in educational and moral standards.

The importance of the education of the working men of today, and most particularly the foreign laborers, cannot be exaggerated. The man living in dirty, uncomfortable and unhealthy quarters, is an easy prey for the syndicalist and Bolshevik. A man, decently fed and clothed, in a cheerful, healthy environment, and with education enough to understand our Government and its purposes, has no grievance to air and no time to bother with radical views. In fact, according to Mr. Cyrus McCormick, Jr.'s, report at the recent National Safety Council, "65 per cent. of the strikes which have swept over Central Europe—and I am going farther west now, I am no longer referring to Russia—over France, over Germany, over Italy, have been of syndicalist origin."

It is interesting to note that Mayor-

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elect Moore is promising to Philadelphia a program for better living conditions. The fundamentals of this program are to Americanize the alien by removing him from surroundings which create vice, crime, insanitation and poverty that render him an easy prey to Bolshevism.

\* \* \*

**W**E wonder just where the much-talked-of "upward trend" in prices is going to end. There seems to be no limit to the demands made by workers in this direction. High wages are, no doubt, a good thing, but there is a limit to the benefit to be derived from them. Professor King of the University of Wisconsin tells us in "Wealth and Income of the People of the United States," that:

"It would seem improbable that, with our present national productive power, any feasible system of distribution could increase the average wage-earner's income in purchasing power by more than one-fourth, and this is an extreme rather than a moderate estimate. While such a change might or might not be desirable, it would, at least, work no startling revolution in the condition of the employees of the United States. The grim fact remains that the quantity of goods turned out absolutely limits the income of labor and that no reform will bring universal prosperity which is not based fundamentally upon increasing the national income."

All of which brings us back to production. The first sign of labor realizing just what it can do to pull the country out of the mire of underproduction was evidenced by the Bethlehem steel workers when they asked for an increase of hours without any increase of pay. Such a sentiment spreading through the whole industrial fabric would soon clean up the present unsatisfactory, unsettled conditions.

\* \* \*

The formation of an engineering section of the National Safety Council has been authorized by the Executive Committee of the Council and the new section will be organized immediately by a special committee appointed for the purpose.

In announcing this action, Sidney J. Williams, Secretary and Chief Engineer of the National Safety Council, said the decision to form a distinct engineering section was prompted by three things:

First, the growing recognition of the importance of the engineering factor in safety work.

Second, the growing interest in safety work on the part of civil, mechanical, electrical, mining and chemical engineers.

Third, the growing volume of experience and investigation in the engineering problems involved in safety work.

"The formation of an engineering section," Mr. Williams said, "will provide a vehicle for concentration of the engineering brains of the several thousand member companies of the Council on the solution of engineering problems affecting safety work in large groups of industries, in specific industries and in industry generally.

"The development of the Council," Mr. Williams said, "has been largely along the lines of industrial sections. The Council now has nineteen sections each with its own officers and program and each interested largely in the safety problems of its own particular fields. These sections are as follows:

Automobile, Cement, Chemical, Construction, Education, Electric Railway, Health Service, Marine and Navigation, Metals, Mining, Packers, Paper and Pulp, Public Safety, Public Utilities, Rubber, Steam Railroad, Textile, Women in Industry and Woodworking.

The greatest contribution of the new engineering section will be with respect to problems that cut across the interests of several sections and affect whole groups of industries, as, for instance, the hazards of poisonous dust or gas. The new engineering section will also facilitate contact and co-operation between the various national engineering societies, the engineering departments of the Government and the National Safety Council.

Detailed announcement of the plans for the engineering section is attached:

In accordance with the action of the Annual Meeting of the National Safety Council on October 1st, the Executive Committee of the Council has approved the organization of an engineering section along the lines described below:

This plan does not contemplate a "Safety Engineering" Section, nor does it attempt to define the term "Safety Engineer," which has been commonly applied to all men in responsible charge of safety work. The purpose of the new section is to bring together in closer contact the civil, mechanical, electrical, mining and chemical engineers in the Council's membership, so that they may contribute more effectively towards the solution of the purely engineering problems so frequently encountered in safety work—just as the physicians among the Council's membership are united in the Health Section.

Membership qualifications are parallel to those of the great national engineering societies, except that, for the present, associate membership (without the right to vote or hold office in the section) is open to engineers having three years' experience; this will gradually be increased to six years, which is the requirement of those engineering societies having the highest standard of membership.

The details of the plan approved by the Executive Committee, on the recommendation of a special committee of engineers, are as follows:

**Membership**—The membership of the Engineering Section shall be composed of individuals who are members of the National Safety Council or who are employed by or affiliated with members of the Council, and who, in addition, have the following qualifications: Either (1) they must be members of the American Society of Civil Engineers, the American Society of Mechanical Engineers, the American Institute of Electrical Engineers, the American Institute of Mining and Metallurgical Engineers, the American Society of Chemical Engineers, or Canadian or European societies of equal standing; or (2) they shall have had at least ten years' experience in engineering work and shall have been for at least five years in responsible charge of such work—a degree from a recognized college of engineering being accepted as equivalent to two years' experience. Persons who are members of the Council, or employed by or affiliated with members of the Council, may become Associate Members of the Engineering Section if they are either (1) Associated Members of the American Society of Civil Engineers or the other engineering societies above mentioned, or (2) if they have had three years of experience in engineering work, a college degree being given the same credit as above. Such Associated Members shall have all the rights and privileges of members except the right to vote or hold office in the section.

**Organization**—The section shall have a chairman, a vice-chairman and a secretary, the secretary being a member of the engineering staff of the National Safety Council; and an Executive Committee of not more than twenty-five, including the officers, and including at least one member representing each of the industrial sections of the Council. Among the sub-committees of the Executive Committee there shall be a Committee on Membership, with five members, which shall pass upon all applications for membership in the section. Messrs. D. S. Beyer, J. R. Brownell, A. P. Costigane, L. A. DeBlois, G. T. Fonda, H. W. Forster, E. B. Morgan, L. R. Palmer, C. E. Pettibone, C. C. Rausch, H. A. Schultz, F. P. Sinn, T. S. Stanion, C. M. Talbert, B. F. Tillson, C. P. Tolman, E. B. Tolsted and J. S. Williams are constituted a temporary Executive Committee to perfect the organization of the section.

**Functions**—The functions of the Engineering Section shall be:

(1) To help to meet the technical demands of the various industrial sections

(Continued on Page 722.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Garage**, Overbrook, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Morris Wood, Overbrook, Philadelphia. Brick and steel, 3 stories, 60x95 feet, stone foundations, slag roof, cement and pine floors, metal lath, hot water heating, electric lighting, tile work, iron work. Architect taking bids due November 14th. Milton W. Young, Overbrook, Philadelphia; Irwin & Leighton, 126 North Twelfth street, and Alfred James, Bala, Pa., are figuring.

**Business Building (int. alts.)**, Fortieth and Filbert streets, Philadelphia. Architects, Druckenmiller & Williams, 1527 Chestnut street, Philadelphia. Owner, A. C. Barnes, on premises. Interior alterations, tile work, metal ceilings, brick work, iron work, carpentry, mill work, metal lath, plastering, hollow metal skylights. Architects taking bids due November 12th. E. J. Hedden, Finance Building; William R. Dougherty, 1610 Sansom street, and Thomas C. Trafford, 1613 Sansom street, are figuring.

**Building**, 210 North Front street, Philadelphia. Architect, LeRoy B. Rothschild, 1225 Sansom street, Philadelphia. Owner, Standard Provision Co., on premises. Brick, 2 stories, 21x95 feet, slag roof, cement floors, stone foundations, electric lighting, tile and marble work, hollow metal skylights, iron work (heating reserved). Architects taking bids due November 17th. William R. Dougherty, 1610 Sansom street; Wark & Co., 1737 Filbert street; Warren-Moore Co., Colonial Trust Building; Hogg Const. Co., Denekla Building, and John N. Gill & Co., Otis Building, are figuring.

**Plant (alts. and add.)**, of New Floors and **Garage**, Germantown avenue and Sedgley avenue, Philadelphia. Architect, private plans. Owners, Air Reduction Co., 120 Broadway, New York City. Brick, 1 story, 30x30 feet, garage, 28x85 feet, slag roof, fireproof, concrete and cement floors, hollow tile, metal lath, safety treads, roof ventilators, rolled steel sash, iron stairs, iron work, stone foundations (heating and electric work reserved). Owners have received bids.

**Residence, Oak Lane**, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Harold M. Schloss, 1524 Poplar street, Philadelphia. Stone, 2½ stories, 30x60 feet, slate roof, oak floors, stone foundations, hollow tile, metal lath, tile and marble work, iron work (heating and electric work reserved). Architects taking bids due November 14th. J. M. Yardley, 1716 Sansom street; William R. Dougherty, 1610 Sansom street; Specht & Sperry, Heed Building; F. A. Havens & Co., 845 North Nineteenth street, and E. Allen Reeves, Abington, Pa., are figuring.

**Business Building (alts.)**, 425 Market street, Philadelphia. Architects, Clark & Dudnick, Drexel Building, Philadelphia. Owners, A.

Bodek & Son, 429 South street, Philadelphia. Brick front, 4 stories, slag roof, pine floors, electric light, plumbing, metal lath, plastering, stairways. Architects have received bids.

**Garage**, Apsley street, West of Pulaski avenue, Philadelphia, \$12,750. Architect, private plans. Owner, J. H. McClatchey, Land Title Building, Philadelphia. Stone, 1 story, 163x118 feet, slag roof, steam heating, electric lighting, cement floors. Owner will build.

**Hosiery Mill (add.)**, Fifty-fourth street, South of Paschall avenue, \$4,000. Architect, private plans. Owner, E. Sutro & Son Co., East Thompson and Clearfield streets. Brick, 1 story, 53x35 feet and 40x32 feet. Owner will build.

**Building**, 4200 Wissahickon avenue, Philadelphia, \$30,000. Architect, private plans. Owner, American Pulley Co., on premises. Brick, 1 story, 62x163 feet. Owner will build.

**Apartment House (add.)**, 247-49 South Juniper street, \$125,000. Architects and owners, Simon & Simon, on premises. Steel, frame and brick, 4 story add., 36x67 feet 7 inches, slag roof, heating extension, electric lighting extension, oak and pine floors. Owners will build.

**Residence**, Tacony, Philadelphia. Architect, Edgar Wightman, 1213 Filbert street, Philadelphia. Owner, George Gebhart, Tacony, Philadelphia. Frame and stucco, 2½ stories, 21x38 feet, shingle roof, oak and pine floors, stone foundations, hot water heat, electric light, tile and marble work, metal lath, iron work. Owner is taking sub-bids.

**Filtration Plant (alts.)**, Queen Lane Plant, Philadelphia. Engineer, H. Deacon, City Hall, Philadelphia. Owners, City of Philadelphia, Bureau of Water, City Hall, Philadelphia. Sand and concrete, 6-inch to 48-inch iron pipes, 500 ton, 365 feet of concrete pipe, 6-foot diameter, and labor for laying. Owners have received bids.

**Theatre (alts. and add.) to Apartment House**, Northeast Corner Sixtieth and Spruce streets, Philadelphia. Architects, Durham Banville Co., 323 Walnut street, Philadelphia. Owner, Mrs. Wolf, 249 East Baker street, Wildwood, N. J. Brick, 3 or 4 stories, 45x125 feet, slag roof, oak and pine floors, steam heat, electric light, tile work. Sketches being drawn.

**Ice House**, Trenton avenue and Huntingdon street, Philadelphia. Architects, William Koelle Co., Twenty-sixth and Oxford streets, Philadelphia. Owners, Kensington Ice Co., on premises. Brick and steel, 1 story, 50x164 feet, slag roof, stone foundations, cement floors, waterproofing, iron work (electric work reserved). Owners have received bids.

**Store Building (alts.)**, 1225 Chestnut street, Philadelphia. Architect, LeRoy K. Rothschild, 1225 Sansom street, Philadelphia. Owner, The Talking Machine Co., 143 South Broad street, Philadelphia. General alterations.

Architect will be ready for bids in a few days.

**Residences (alts. and add.)**, 418-20 South Carlisle street. Architect, Mahlon H. Dickinson, 1705 Chestnut street, Philadelphia. Owner, name withheld. Brick, 3 stories, add., 12x13 feet, slag roof, general interior alterations, painting, papering, hot water heat, electric light and fixtures, oak floors, partitions and stairways. Architect is ready for sub-bids.

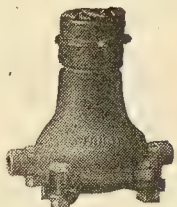
**Store and Residences (2) (alts. and add.)**, 53 North Fifty-second street, Philadelphia. Architect, Carl P. Berger, 1416-18 South Penn Square, Philadelphia. Owner, Miss Florence M. Heim, on premises. Brick, 3 stories, 14x30 feet, slag roof, oak and pine floors, stone foundations, hot water heat, electric light, tile work, hollow metal skylights, iron work, hardware, plumbing, painting, glazing, stair work. Architect taking bids due November 14th. Hogg Const. Co., Denekla Building; A. L. Fretz & Son, Heed Building; E. J. Kreitzburg, 1345 Arch street; Charles C. Pace, Merion, Pa.; Wills-Ludwick Co., 1708 Sansom street; Leslie Douglas, 217 North Sixth street, and John Duncan, 920 Walnut street, are figuring.

**Ford Service Building**, 1319-37 Wood street, Philadelphia. Architect, Philip S. Tyre, 1509 Arch street, Philadelphia. Owners, Guaranty Realty Co., Stock Exchange Building, Philadelphia. Brick and steel, 1 story, 151x71 feet, slag roof, cement floors, steam heat, electric light, stone foundations, rolled steel skylights, iron work. Architect taking bids due November 17th. J. M. Yardley, 1716 Sansom street; Potts Bros. & Cooperson, 129 North Eleventh street; J. Sims Wilson Co., 1125 Brown street; E. C. Durell, 1713 North Twenty-fourth street, and Ketcham & McQuade, 1029 Brown street, are figuring.

**Garage**, 137 Berkley street, Philadelphia. Architect, F. J. Schwartz, Colt Building, Paterson, N. J. Owners, Van Straaton & Havey, 1815 Bristol street, Philadelphia. Brick, 1 story, 34x83 feet, slag roof, cement floors, stone foundations (heating and electric work reserved), iron work. Architect has received bids.

**Factory**, Amber street and Erie avenue, Philadelphia. Architects, Fieldstein & Schaef, Penfield Building, Philadelphia. Owners, M. I. Davidson & Co., Shackamaxon and Wilkey streets. Brick, 2 stories, 82x122 feet, slag roof, maple floors, stone foundations, electric light, rolled steel sash, hollow metal skylights. Architects taking revised bids from Raith Const. Co., 304 Master street, and Barclay White Co., 1713 Sansom street, Philadelphia.

**Hospital Buildings (alts. and add.)**, Second and Luzerne streets. Architect, Philip H. Johnson, Presser Building, Philadelphia. Owners, Philadelphia Hospital for Contagious Diseases, care of Dr. Wilmer Krusen, Director,



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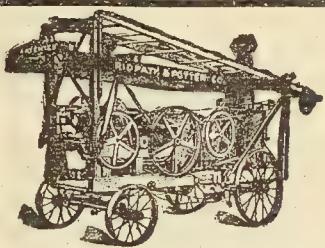


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Department of Public Health and Charities, City Hall. Brick and concrete, 3 stories, 55x62 feet, fireproof, steel, slate roof, granolithic and terrazzo floors, hollow tile, metal lath, elevators, metal weather strips, waterproofing, dampproofing, steam heat, electric light, tile, marble and terrazzo work, rolled steel sash, skylights, fire doors, kitchen equipment. Low bidders: William R. Dougherty, 1610 Sansom street, \$208,770; Standard Const. Co., 1713 Sansom street, \$218,500.

**Storage Building**, Northwest Corner Richmond and Tioga streets, \$3,000. Architect, private plans. Owner, Girard Smelting & Refining Co., on premises. Brick, 1 story, 80x140 feet, steam heating, electric lighting. Owner will build.

**Bank Building**, 1512 Chestnut street, Philadelphia. Architect selected, Frank Seeburger, 1524 Chestnut street, Philadelphia. Owner, Rittenhouse Trust Co., 1323 Walnut street, Philadelphia. Plans in progress. Too early for details.

**Residence (alts. and add.)**, Magnolia avenue and Church Lane, Germantown. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owners, Charles Peberdy, on premises. Brick and stone, 2½ stories, 34x15 feet, slate roof, parquet and pine floors, tile and marble work, stone foundations, metal lath, iron work. Architect taking bids due November 14th. Thomas O. Trafford, 1613 Sansom street; P. A. Sorensen, 1133 Callowhill street; W. J. Cowell, 5712 Crittenden street; William C. Wright, 22 Harvey street; J. M. Yardley, 1716 Sansom street, and I. A. Dunkelberger, 71 East Herman street, are figuring.

**Publishing House**, Southeast Corner Seventh and Race streets, Philadelphia. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owner, Frank V. Chambers, 210 North Thirteenth street, Philadelphia. Brick and mill construction, 4 stories, 24x80 feet, slag roof, cement floors, steam heat, electric lighting. Architect ready for bids.

**Factory**, 1949 North Second street, Philadelphia. Architect, Frank V. Nickels, 4400 Main street, Philadelphia. Owners, Keystone Wagon Works, on premises. Brick, 1 story, 56x62 feet, slag (2-inch plank) roof, cement floors, stone foundations, steam heat, electric light, rolled steel sash, hollow metal skylights, sliding doors, wheel guards. Architect taking bids. Hurley Bros., Franklin Trust Building; E. J. Kreitzburg, 1345 Arch street; Brown Const. Co., 4600 Main street, and Charles Carr, 856 Poplar street, are figuring.

**Bank Building**, Sixtieth and Ludlow streets, Philadelphia. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Mutual Trust Co., care of S. F. Scattergood, president, Bourse Building. Stone, granite, steel and concrete, 2 stories, 100x23 feet, slag roof, metal lath, hollow tile, hollow metal sash, iron stairs and work, metal weather strips (plumbing, heating, tile work, electric work, floors and terrazzo work reserved). Architects taking bids due November 17th. William R. Dougherty, 1610 Sansom street; Pomeroy Const. Co., 1609 Ranstead street; J. Sims Wilson Co., 1125 Brown street; F. B. Davis, 240 North Sixteenth street; H. H. Burrell, 206 South Quince street; Robert E. Lamb Co., 843 North Nineteenth street; Bar-

clay White & Co., 1713 Sansom street; J. S. Rogers Co., Drexel Building; William R. Graham, 3649 Filbert street, and H. E. Baton, 1713 Sansom street, are figuring.

**Power House, Garage and Office**, 842 North Third street, Philadelphia. Architect, Henry G. Morse, 101 Park avenue, New York City. Owner, Wilkie Carbonic Gas Co., Inc., 842 North Third street, Philadelphia. Brick and steel, 2 stories, 90x58 feet, and 1 story, 30x30 feet and 43x30 feet, slag roof, maple and cement floors, stone foundations, steam heating, electric lighting, hollow metal skylights, roof ventilators, waterproofing, iron work. Architect taking bids due November 17th. H. E. Baton, 1715 Sansom street; Charles Gilpin, Harrison Building; Doyle & Co., 1519 Sansom street; H. H. Burrell, 206 South Quince street, and F. W. Mark Const. Co., Commercial Trust Building, are figuring.

**Portable School**, Ninth and Oregon avenue, Philadelphia. Architect, private plans. Owner, Board of Education, Eighteenth above Chestnut street. General interior alterations. Lowest bidder: E. C. Durell, 1713 North Twenty-fourth street, \$5,500.

**Residence**, Forty-seventh and Pine streets, Philadelphia. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, Clarence Siegel, Forty-seventh and Larchwood avenue, Philadelphia. Brick and plaster, 2½ stories, stone foundations. Plans in progress.

**Oxford Bank (alts.)**, Frankford, Philadelphia. Architects, Simon & Simon, South Juniper street, Philadelphia. Owners, Oxford Bank, Frankford avenue and Overington street. New vault, concrete and plastering, composition floor, painting, glazing, sheet metal work, lumber, carpentry, mill work, brick work, hollow metal skylights, slag roof. Architect taking bids due November 13th. H. E. Baton, 1713 Sansom street, is figuring.

**Sales and Service Building**, Broad and Lehigh avenue, Philadelphia. Architect, Le Roy K. Rothschild, 1225 Sansom street, Philadelphia. Owner, Jos. J. Greenberg, Morris Building. Brick, stone and steel. Plans in progress. Too early for details.

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## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Store and Warehouse (alts.),** 902-04 South Tenth street, Philadelphia, \$3,000. Architect, Henry D. Dagit, 4527 Pine street, Philadelphia. Owner, A. Fiumara, 733 South Ninth street, Philadelphia. Brick and stone, slag roof, pine oors, electric lighting, steam heating, iron work, metal ceilings. Contract awarded to Penn Const. & Eng. Co., Bulletin Building.

**Warehouse and Power House,** Third and Race streets, Philadelphia. Architects, Schofield Eng. Co., Commercial Trust Building, Philadelphia. Owners, H. O. Wilbur & Sons, Third and Race streets, Philadelphia. Steel, brick and stone, concrete, 7 stories, 80x92 feet. Contract awarded to Turner Const. Co., 1713 Sansom street.

**Sewer,** Wheatsheaf Lane, Richmond street to Delaware avenue, \$240,000. Architect, private plans. Owner, City of Philadelphia, Department of Public Works, George E. Datesman, Director, City Hall, Philadelphia. Contract awarded to Ryan Const. Co., Thirty-third and Gray's Ferry Road.

**Garage,** 1237-47 Crease street, \$5,000. Owner, George W. Van Leer, 302 North Water street, Philadelphia. Brick, 1 story, 32x72 feet, slag roof, cement floor, electric light. Contract awarded to Clayton Lofland, Southwest Corner Water and Race streets.

**Factory (add.),** "A" and Courtland streets, Philadelphia, \$26,000. Architect, Edgar A. Wightman, 1213 Filbert street, Philadelphia. Owners, Concordia Silk Hosiery Co., care of architect. Brick and reinforced concrete, 2 stories, 41x125 feet, slag roof, cement floors (steam heating, electric lighting, plumbing, tank, pump and sprinklers separate bids), rolled steel sash, hollow metal skylights, iron work. Contract awarded to Henry P. Schneider, 3713 Old York Road.

**Garage,** Thirtieth and Race streets, Philadelphia, \$15,000. Architect, private plans. Owners, F. G. Vogt & Sons, on premises. Brick and steel, 1 story, 54x146 feet, slag roof, cement floors, rolled steel skylights, roof ventilators, stone foundations (plumbing, heating and electric work reserved). Contract awarded to E. E. Hollenback, Inc., 1804 Brandywine street.

**Power House (add.),** Southeast Corner Jenks and Bath streets, \$5,000. Architect, private plans. Owners, Pennsylvania Forge Co., on premises. Brick, 1 story, 43x31 feet, slag roof, cement floor. Contract awarded to William G. Donley Co., Drexel Building, Philadelphia.

**Warehouse,** Third and Pierce streets, Philadelphia. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Geo. W. Lefferts & Co., Third and Moore streets, Philadelphia. Brick, steel and terra cotta, 4 stories, 57x65 feet, slag roof, metal lath, rolled steel sash, hollow metal skylights and doors, dampproofing, iron work, stone foundations (plumbing, heating and electric lighting reserved). Contract awarded to J. S.

Rogers Co., Drexel Building, Philadelphia.

**Apartments, Store and Garage,** 3500-02-04 Market street and 3501-03 Ludlow street, Philadelphia, \$62,000. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, Joseph Lever, 2714 Somerset street, Philadelphia. Brick, 2 stories, 61x70 feet, and 1 story, 45x75 feet, 25x70 feet, 44½x60 feet, slag roof, hot water heat, hardwood, composition and cement floors, rolled steel skylights and sash, rolling steel doors, flush bulks, roof ventilators, metal ceilings, dampproofing, tile and marble work. Contract awarded to Nathan Litman, 2030 South Fifth street, Philadelphia.

**Manufacturing Building,** Third below Columbia avenue. Architect, private plans. Owners, Columbia Carpet Mills, on premises. Brick and steel, 5 stories, 41x104 feet, slag roof, cement floors, stone foundations, rolled steel sash and doors, kalamein doors, safety treads, roof ventilators (elevators, electric lighting and heating reserved). Contract awarded to William Steele & Sons Co., 16th and Parkway.

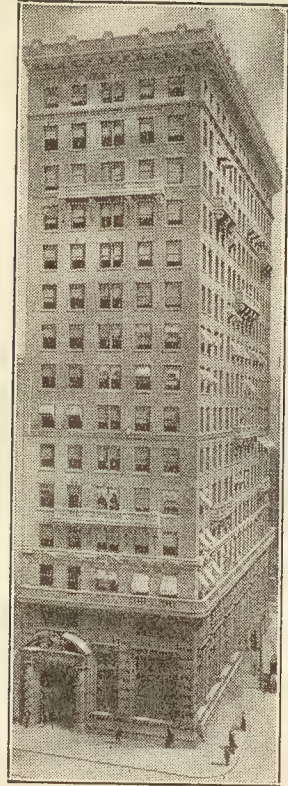
**Store (alts.),** Northeast Corner Fifty-second and Walnut streets, Philadelphia, \$2,000. Architect, private plans. Owners, Overland-Harper Co., Forty-second and Chestnut streets. General interior and exterior alterations. Contract awarded to LeRoy K. Smith, Forty-first and Chester avenue.

**Auto Display and Service Building,** 1342-44-46 Brown street, Philadelphia. Architect, David B. Bassett, Perry Building, Philadelphia. Owner, Morton E. Hecht, Empire Building, Philadelphia. Reinforced concrete, 4 stories, 55x85 feet, slag roof, cement floors, hollow tile, metal lath, (1) electric elevator, concrete foundations, steam heat, electric light, marble work, rolled steel sash, hollow metal skylights, rolling steel shutters. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

**Building (alts.) and Elevator Shaft,** 45-51 North Seventh street, Philadelphia. Architect Frank E. Hahn, 1112 Chestnut street, Philadelphia. Owners, Krastsow & Titleman, care of architects. Brick, 6 stories, maple floors, hollow metal skylights, kalamein doors, brick work, concrete and iron work, plastering, hardware, sheet metal work (plumbing, electric work and elevator reserved). Contract awarded to E. F. Bahls, 1302 North Seventeenth street, Philadelphia.

**Garage,** 230 Winona avenue, Germantown. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, Mrs. Harvey A. Weideman, 6517 Lincoln Drive. Brick and rough cast, 1 story, 24x27 feet, slate roof, cement floors, stone foundations, hot water heating, electric lighting. Contract awarded to William C. Wright, 22 Harvey street, Germantown.

**Terminal Annex (alts.),** 50-52 North Twelfth street, Philadelphia. Architect, private plans. Owner, H. Shoemaker, Terminal



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**Rolling Mill**, Southeast Corner Jenks and Bath streets, Philadelphia, \$30,000. Architect, private plans. Owner, Penna. Forge Co., on premises. Iron, 1 story, 102 feet 4 inches x 200 feet, slag roof. Contract awarded to William G. Donley Co., Drexel Building, Philadelphia.

**Garage**, 3545 North Eighth street, Philadelphia, \$25,000. Architect, private plans. Owner, John Forlong, Southeast Corner Ninth and Green streets, Philadelphia. Brick, 1 story, 60x157 feet, slag roof, cement oors. Contract awarded to John A. Cordori, 1235 Arch street, Philadelphia.

**Power Plant Building**, Frankford Arsenal, Philadelphia. Architect, private plans. Owners, United States Government, care of Const. Officer, Frankford Arsenal. Brick, steel and concrete, 1 story, 100x139 feet, wing 48x59 feet, slag roof, cement floors, stone foundations, hollow tile, metal lath, tile work, rolled steel sash, kalamein doors, waterproofing, iron work. Contract awarded to M. H. McCloskey, Jr., 1620 Thompson street, Philadelphia.

**Factory (alts. and add.)**, Orianna street, North of Bristol, \$4,000. Architect, private plans. Owner, J. Meyers & Sons, Bourse Building. Brick, 26x33 feet, slag roof, maple floors (heating and electric work reserved). Contract awarded to Geo. Kessler Cont. Co., Drexel Building, Philadelphia.

**Sub-Postoffice**, Sixth and Spring Garden streets, Philadelphia, \$30,000. Architect, John E. Bullock, Middle City Building, Philadelphia. Owner, Northern Trust Co., Sixth and Spring Garden streets. Brick, 1 story, 32x148 feet, slag roof, maple floors, stone founda-

tions, steam heat, electric light, terrazzo work, hollow metal skylights, iron work, roof ventilators. Contract awarded to E. R. Hall, 34 South Seventeenth street, Philadelphia.

**Factory Building**, Northeast Corner Roberts avenue and Stokley street, \$35,000. Architect, private plans. Owners, American Insulation Co., on premises. Brick and concrete, 2 stories, 90x60 feet. Contract awarded to William Steele & Sons Co., 1600 Arch street.

**Warehouse (add.)**, Sixteenth and Washington avenue, Philadelphia, \$10,000. Architect, private plans. Owner, Berger Mfg. Co., on premises. Brick, 1 story add., 36x200 feet. Contract awarded to W. W. Warren, 1336 McKean street, Philadelphia.

**Garages**, Northeast Corner Sixty-third and Woodbine avenue, Philadelphia, \$4,700. Architect, private plans. Owner, Walter B. Smith, Sixty-sixth and Woodbine avenue, Philadelphia. Brick, 11½x12 feet, 22x48 feet and 54x19½ feet. Contract awarded to Milton W. Young, 2012 North Sixtieth street, Philadelphia.

**Residences (2)**, Sentner street, West of "G" street, Philadelphia, \$8,000. Architect, private plans. Owner, Arthur Rush, 1014 Harrison avenue, Philadelphia. Frame, 2 stories, 16x39 feet, hot water heat, electric light. Contract awarded to Rush Bros., 1100 Fillmore street, Philadelphia.

**Shop**, 1450 Cherry street, Philadelphia, \$2,900. Architect, private plans. Owner, Y. M. C. A., 1421 Arch street, Philadelphia. Iron on iron, 1 story, 30x60 feet. Contract awarded to M. Moister & Co., 3931 North Fifth street, Philadelphia.

**Residence**, Oak Lane, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Harold M. Schloss, 1524 Poplar street, Philadelphia. Architects taking bids due November 14th. William J. Gruhler Co., 219 East High street, and F. Elvidge & Son, 5522 Germantown

avenue, additional bidders.

**Storage Building and Office Building**, Wolf, Ritner, Water and Swanson streets, \$135,000. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owners, Pottash Bros., 612 North American street, Philadelphia. Brick, 2 stories, 400x300 feet and 25x48 feet, slag roof, maple floors, asphalt roof and floors, hollow tile partitions, reinforced concrete foundations, steam and hot water heat, electric lighting, rolled steel sash, rolling steel and kinnear doors, skylights. Contract awarded to Max Cotler, 1220 North Forty-second street, Philadelphia.

**Factory**, Thirty-second and Reed streets, Philadelphia, \$100,000. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owner, the Winner Co., 2045 North Seventh street, Philadelphia. Brick, 3 stories, 80x200 feet, slag roof, cement and maple floors (heating, lighting and plumbing reserved), metal lath, rolled steel sash, hollow metal skylights, fire doors. Contract awarded to Mackle-McClelland Const. Co., Drexel Building.

**Residence (alts. int.)**, 1843 North Eighteenth street, Philadelphia, \$5,000. Architect, private plans. Owner, B. Goodman, on premises. Plumbing, hot water heat, electric lighting, plastering, painting, papering, plastering. Contract awarded to Lam Building Co., 1001 Wood street, Philadelphia.

**Storage Building**, Sedgley avenue and Westmoreland street, \$20,000. Architect, private plans. Owners, Hafeigh Mfg. Co., on premises. Brick, 1 story, 16,040 square feet, slag roof, electric lighting, cement floors. Contract awarded to William Steele & Sons Co., 1600 Arch street, Philadelphia.

**Store Building (alts.)**, to Bakery, Northwest Corner Fifty-second and Ludlow streets. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, William Meenehan, Fifty-second and Walnut streets. Brick and iron work, carpentry, painting, glazing,

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plumbing, electric repairs, heating extension. Contract awarded to Warren E. Biscoe, 3954 Ludlow street, Philadelphia.

**Office Building Annex**, 112 North Broad street, Philadelphia. Architect, Wesley Leshner Blithe, 608 Chestnut street, Philadelphia. Owners, Fidelity Mutual Life Insurance Co., care of W. LeMar Talbot, president, 112 N. Broad street, Philadelphia. Reinforced concrete, 5 stories (probably 9 stories), 60x85 feet, composition roof, maple and composition floors, concrete foundations (steam heating, electric lighting, plumbing reserved), rolled steel sash, fire doors, 1 elevator, plastering, wire glass, fire tower, ornamental iron work. Contract awarded to Roydhouse-Arey Co., 112 North Broad street, Philadelphia.

**Store and Dwelling (alts. and add.)**, northeast corner of Eighth and Girard avenue, \$10,000. Architect, H. Childs Hodgins, 130 South

Fifteenth street, Philadelphia. Owner, Max Hawtof, on premises. Brick, 2 stories, 5x30 feet, and 1 story, 6x90 feet, slag roof, steam heating, electric light, hardwood and pine floors. Contract awarded to G. J. Reich, 1124 Loudon street, Philadelphia.

**Bank Building (alts.)**, 1538 South Broad street, \$3,600. Architect, private plans. Owners, Piave State Bank, on premises. General interior and exterior alterations. Contract awarded to F. A. Cavalieri, 442 North Simpson street.

**Hotel (alts.)**, northwest corner of Delaware avenue and Market streets, Philadelphia, \$4,500. Architect, private plans. Owners, Philadelphia & Camden Ferry Co., on premises. General interior alterations. Contract awarded to Wm. N. Thompson, 1529 Filbert street, Philadelphia.

South Fourth street, Colwyn, Pa. Hollow tile and stucco, 1½ stories, 32x46 feet, and 1 story, 20x24 feet, asphalt roof, pipeless heating, concrete and brick foundations, electric light, oak, pine and cement floors. Owner is taking bids.

**Residence**, Jenkintown, Pa., \$30,000. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Meyer Bayuk, The Touraine, Philadelphia. Brick and stucco, 3 stories, 30x52 feet, garage, 1 story, 24x32 feet, tile roof, hot water heat, electric lighting, tile and marble work, oak floors, expanded metal lath, macadam roads. Owners taking bids due November 20th. Specht & Sperry, Heed Building; F. L. Hoover & Sons, 1023 Cherry street; J. S. Rogers Co., Drexel Building; J. Sims Wilson Co., 1125 Brown street; A. R. Raff Cont. Co., 1635 Thompson street; W. D. Lukens, North Wales, Pa.; W. John Stevens, Inc., Wynecote, Pa., and E. Allen Reeves, Abington, Pa., are figuring.

**Residence (alts. and add.)**, Chicken House and Cow Barn, Merion, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, name withheld. General alterations to residence, outbuilding, frame, 1 story, 14x28 feet, shingle roof. Plans in progress. Too early for details.

**Addition for New Well, Pump Equipment**, Ardmore, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owners, Lower Merion High School, Ardmore, Pa. Stone and brick, 1 story, 14x24 feet, Johns Manville roof, cement floors, safety treads, stone foundations, steam heating, electric lighting, iron work. Owners taking bids due as soon as possible. A. L. Fretz & Sons, Heed Building, are figuring.

**Residence**, Ardmore, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, E. C. Freed, Ardmore, Pa.

## PENNSYLVANIA

## Construction News

**Warehouse and Office Building (alts. and add.)**, Jenkintown, Pa. Architect, private plans. Owners, W. C. Fleck & Bro., Inc., Jenkintown, Pa. Steel, brick and concrete, 3 stories, 27x37 feet, cement floors, metal lath, safety treads, plastering, plumbing, painting, hardware, glazing, iron work, stone foundations (heating, electric work and roofing reserved). Owners have received bids.

**Residences (6)**, Chester, Pa. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owner, name withheld. Brick, 2 stories, 22x35 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans

in progress.

**Post Office (alts.)**, Chester, Pa. Architect, James A. Wetmore, S. A., Treasury Department, Washington, D. C. Owner, United States Government, Treasury Department, Washington, D. C. Sheet metal work, iron work, metal lath, hardware, painting, glazing, plastering, electric lighting. Owners taking bids due November 24th. F. W. Van Loon, Denekla Building, is figuring.

**Bungalow and Garage**, Eleventh avenue and Amosland road, Prospect Park, Pa. Architect, Thomas H. Jolley, 2 North Second street, Darby, Pa. Owner, William Gaggins, 417

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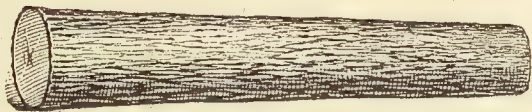
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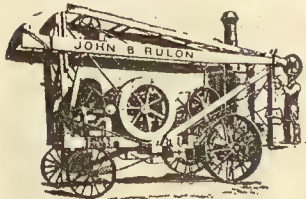
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**Residence (alts. and add.) and Garden Work**, Radnor, Pa. Architect, Horace Trumbauer. Land Title Building, Philadelphia. Owner, George W. Kendrick, 3rd, 321 Chestnut street, Philadelphia. Sun parlor, 1 story, 30x35 feet, tile roof, tile walls, plastering, metal lath, reinforced concrete work, maple floors, swimming pool, 20x60 feet, hot water heat, electric lighting. Architect taking bids due November 12. Milton W. Young Co., Overbrook, Philadelphia; George F. Payne, 401 South Juniper street; Irwin & Leighton, 126 North Twelfth street, and J. Sims Wilson Co., 1125 Brown street, are figuring.

**Residence and Garage**, Penfield, Pa. Architect, Lawrence Visscher Boyd, Harrison Building, Philadelphia. Owner, W. Lester Baner, Brookline, Pa. Frame, 2½ stories, 42½x25½ feet, and 1 story, 22x22 feet, asbestos shingle roof, stone foundations, electric lighting, tile work (heating reserved). Architect taking revised bids. Tourison & Tourison.

**Residence and Garage**, Cynwyd, Pa. Architect, Richard R. Neely, 1619 Chestnut street, Philadelphia. Owner, David N. Patterson, 1532 Wallace street, Philadelphia. Stone, 2½ stories, 27x39 feet, shingle roof, oak floors, stone foundations, hot water heat, electric lighting, tile work. Architect will be ready for bids in one week.

**Residence**, Jenkintown, Pa. Architects, Tilden & Register, Franklin Bank Building, Philadelphia. Owner, Laurence Butler, Jenkintown, Pa. Stucco, brick and steel, 2½ stories, 32x60 feet, shingle roof, oak and pine floors, metal lath, tile and marble work, stone foundations (heating and electric lighting reserved). Architects taking bids, due November 24th. Wills Ludwick Co., 1708 Sansom street; E. R. Hall, 34 South Seventeenth

street, Philadelphia; A. G. Griffith, Jenkintown, Pa., and W. D. Lukens, North Wales, Pa., are figuring.

**Bank Building**, Lansdowne, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Lansdowne National Bank, Lansdowne, Pa. Stone, steel and brick, 2 stories. Plans completed. Architects ready for bids.

**Apartment House (alts.)**, West Broad st., Tamaqua, Pa. Architect, Benj. R. Stevens, Inc., 1737 Filbert street, Philadelphia. Owner, Shepp Estate, care of E. M. B. Shepp, 215 West Broad street, Tamaqua, Pa. Interior alterations, hardwood floors, steam heat, electric light, tile work, iron stairs. Owners taking bids. A. L. Graff, Tamaqua, Pa., and Andrew Breslin, Summit Hill, Pa., are figuring.

**Boiler House**, South Mountain, Pa. Architect, Chas. A. Blatchley, Eng., Drexel Building, Philadelphia. Owners, State Asylum for Chronic Insane of Pennsylvania, South Mountain, Pa. Brick and steel, 1 story, 49x66 feet, slate roof, cement floors, rolled steel sash, stone foundations (heating and electric lighting reserved). Owners taking bids, due November 12th. Smith-Hardican Co., 1606 Cherry street; Wm. F. Neubery, Otis Building, Philadelphia; Adam P. Spatz, Wernersville, Pa.; W. H. Spatz, Wernersville, Pa.; H. H. Hollenbach, Bernville, Pa., and Lann Brossinen, Wernersville, Pa., are figuring.

**Residence (alts. from Stable)**, Lansdowne, Pa. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Chas. Pennock, Lansdowne, Pa. Stucco, 2 stories, 12x24 feet, shingle roof, oak and pine floors, stone foundations, hot air heating, electric lighting, tile work. Architects taking bids, due November 17th. Wm. R. Dougherty, 1610 Sansom street; Pomeroy Const. Co., 1609 Ranstead street; A. R. Raff Const. Co., 1635 Thompson street; Chas. Moore, Lansdowne, Pa., and J. Howard Roberts, Lansdowne, Pa., are figuring.

## PENNSYLVANIA

## Contracts Awarded

**Office Building**, Indiana, Pa., \$300,000. Architect, L. W. Robinson, 42 Church street, New Haven, Conn. Owners, Rochester & Pittsburgh Coal & Iron Co., on premises. Brick, terra cotta, steel and concrete, 3 stories, 98x50 feet, wing, 47x51 feet, slag roof, yellow pine, tile, marble and terrazzo floors, metal lath, roof ventilators, metal and fire doors, copper skylights, fire escapes, iron stairs and work, safety treads (plumbing, heating and electric lighting reserved). Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

**Residence**, Belmont Heights, Delaware County, Pa. Architects, Durham-Banville Co., 323 Walnut street, Philadelphia. Owner, Frank Ryan, care of 5908 Market street, Philadelphia. Frame and stucco, 2½ stories, 31x45½ feet, creosote shingle roof, oak and pine floors, metal lath, concrete foundations, hot water heat, electric light, tile work. Contract awarded to Carl A. Erickson, 2512 South Sixty-first street, Philadelphia.

**Warehouse and Station**, Fourteenth and Howard streets, Harrisburg, Pa. Architect, C. P. Lappley, 206 Market street, Harrisburg,

Pa. Owners, United Ice and Coal Co., Harrisburg, Pa. Fireproof, 2 stories, 206x130 feet, concrete foundations, composition roof, cement floors, electric light, hollow metal sash. Contract awarded to H. A. Hipple, Harrisburg, Pa.

**Residence**, Haverford, Pa., \$35,000. Architects, Tilden & Register, Franklin Bank Building, Philadelphia. Owner, Joseph Chapman, Franklin Bank Building, Philadelphia. Brick and steel, 3 stories, 31x72 feet, shingle roof, oak and pine floors, stone foundations, tile work (heating and electric lighting reserved). Contract awarded to E. R. Hall, 34 South Seventeenth street, Philadelphia.

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## New Jersey Construction News

**Stores**, Laurel street, Bridgeton, N. J. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owner, Hann Auto Co., Bridgeton, N. J. Brick, 2 stories, 70x48 feet, concrete foundations, slag roof, pine floors, electric light (heating reserved). Owner taking bids due as soon as possible. H. H. Hankins, Bridgeton, N. J.; George Maier & Son, Bridgeton, N. J., and Richmond Const. Co., Moorestown, N. J., are figuring.

**Store and Apartment**, Haddon and Kaighn avenues, Camden, N. J. Architect, private plans. Owner, Dr. A. H. Comfort, 746 Princeton street, Trenton, N. J. Brick and steel, 2 stories, 30x73 feet, slag roof, wood floors, steam heat, electric light, tile work, plate glass, copper work. Owner has received bids.

**Machine Shop**, Haddon avenue, Camden, N. J. Architect, private plans. Owners, Kruse & Slaterry, 730 Cherry street, Philadelphia. Concrete, brick, steel, slow burning, 2 stories, 50x100 feet, slag roof, wood floors, electric light, elevator, roof vent (heating reserved). Owners taking bids. Mockett Const. Co. and William Wrixford, Camden, N. J., and E. F. & F. K. Barlett, Oaklyn, N. J., are figuring.

**Toilet Room (add.)**, Camden, N. J. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Esterbrook Pen Co., Camden, N. J. Concrete, slag roof, kalamein doors, brick work, carpentry and mill work, plumbing, drainage. Architects taking bids due November 13th at noon. Ketcham & McQuade, 1029 Brown street; Robert E. Lamb Co., 843 North Nineteenth street; F. B. Davis, 240 North Sixteenth street; P. Haibach Cont. Co., Twenty-sixth and Thompson streets; J. S. Rogers Co., Drexel Building; Irwin & Leighton, 126 North Twelfth street; Cramp & Co., Denckla Building, and Warren-Moore Co., Colonial Trust Building, are figuring.

**Dormitory Building**, Hightstown, N. J. Architects, Jackson & Rosenerane, 1328 Broadway, New York City. Owners, Peddie Institute, Hightstown, N. J. Brick and stone, 3 stories, 56x56 feet, slag roof, stone foundations, steam heat. Architects taking bids due November 12th. J. S. Rogers Co., Drexel Building, Philadelphia, are figuring.

**Jefferson School (add.)**, Trenton, N. J. Architect, W. A. Poland, 9 South Stockton street, Trenton, N. J. Owner, Board of Education, City of Trenton, N. J. Brick, terra cotta, steel, 3 stories, 161x84 feet, stone foundations, slag roof, yellow pine floors, tile work, rolled steel sash and skylights, metal lath, roof ventilators, dampproofing, iron work. Lowest bidders: Thomas M. Day, Trenton, N. J., \$206,587; Standard Const. Co., 1713 Sansom street, Philadelphia, \$223,500.

**Residence (alt.) to Apartment (alt. and add.)**, 36 North Massachusetts avenue, Atlantic City, N. J. Architect, W. B. Riebenack, Guarantee Trust Building, Atlantic City. Owner, Mr. Murphy, on premises. Brick, 1 story, 28x50 feet, pine floors, general interior alterations. Architect has received bids.

**Bungalow**, North Austin avenue, Atlantic City, N. J. Architect, W. B. Riebenack, Guarantee Trust Building, Atlantic City. Owner, George F. Ryan, Commercial Trust Building, Philadelphia. Brick and frame, 1 story and basement, 29x55 feet, concrete founda-

tions, shingle roof, pine floors, hot water heat, electric light, tile work. Architect taking bids due as soon as possible. Charles Teltin, Virginia avenue; P. G. Hannum, 16 North Georgia avenue; W. B. Porch, Guarantee Trust Building, and Paul Hammerman, Bellevue avenue, Atlantic City, and Charles Corson, Linwood, N. J., are figuring.

**Residence**, South Merion avenue, Ventnor, N. J., \$20,000. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owner, Mrs. O. L. Merrick, Ventnor, N. J. Brick and frame, 3 stories, 40x60 feet, concrete foundations, slate and tin roof, hardwood floors, hot water heat, electric light, tile and marble work. Architect has received bids.

**Apartment House**, South Missouri avenue, Atlantic City, N. J. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City, N. J. Owner, name withheld. Brick, 3 stories, 42x160 feet, slag roof, pine floors, hot water heat, electric light, tile work. Plans in progress.

**Residence**, Troy avenue, Ventnor, N. J. Architect, W. B. Riebenack, Guarantee Trust Building, Atlantic City. Owner, name withheld. Stucco and hollow tile, 2½ stories, 30x35 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress. Architect ready for bids.

**Bungalow**, Swedesboro, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, Isaac C. Buzby, Woodbury, N. J. Hollow tile and stucco, 1½ stories, 70x70 feet, tile roof, electric lighting, tile work, oak floors. Plans in progress.

**Office Building**, Camden, N. J. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owners, Taylor White Extracting Co., Camden, N. J. Brick, terra cotta and steel, 2 stories, 28x42 feet, slag roof, floor-tile floors, vapor heat, electric light, stone foundations, metal lath, iron work. Architect taking bids due November 12th. Cramp & Co., Denckla Building; Smith-Hardican Co., 1606 Cherry street; Barclay White Co., 1713 Sansom street; Armstrong & Latta, Land Title Building; Bushnell Bros., 2146 East Norris street; W. O. Springer, 1624 Latimer street, Philadelphia; L. T. West, 328 Broadway, Camden, N. J.; James W. Draper, 436 Haddon avenue, Camden, and Baldwin Const. Co., Court House Building, Camden, N. J., are figuring.

**Police Station (alts. and add.)**, Chancery street, Trenton, N. J. Architect, J. O. Hunt, 114 Montgomery avenue, Trenton, N. J., \$100,000. Owner, City of Trenton, care of George La Bar, City Commissioner, City Hall, Trenton, N. J. Concrete and steel, fireproof, 3 stories and basement, 60x90 feet, concrete roof and floors, vacuum steam heat, electric light, rolled steel sash and skylights, fire doors, roof ventilators, metal window guards, steel cells, iron stairs and work. Plans in progress.

**Y. M. C. A. Building**, East State and Clinton streets, Trenton, N. J., \$300,000. Architects, Jallade, Lindsay & Warren, 37 Liberty street, New York. Owners, Y. M. C. A., care of A. H. Arthur, president, Trenton Trust and Safe Deposit Co., 26-30 West State street, Trenton, N. J. Brick, 3 stories, 120x150 feet, stone foundations, steam heat, electric light, tile and marble work. Plans in progress.

**Garage**, Liberty and Chambers streets, Trenton, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owner, Mr. Thomas Miller, West street, Tren-

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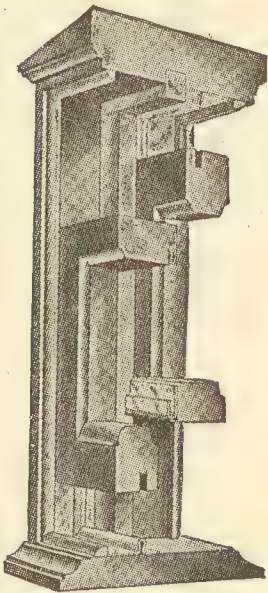
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ton, N. J. Brick, 1 story, 25x100 feet, stone foundations, slag roof, cement floors, steam heat, electric light, terra cotta partitions, gasoline storage system. Architect taking bids. S. Wiley, 517 Monmouth street; W. R. Ivins, 717 Greenwood street; J. P. Barlow, 344 Garfield avenue; J. H. Morris, Broad Street Bank Building, and J. Drugan, Trenton, N. J., are figuring.

**Schools (2)**, Cedar Brook and Winslow, Winslow Township, N. J. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owners, Township of Winslow, Winslow, N. J. Engineers, Remington & Vosbury, Camden, N. J. Brick or frame, 2 stories. Sketches in progress.

**New Jersey****Contracts Awarded**

**Residence (alt.)**, Merchantville, N. J., \$14,000. Architects, Moffett & Truscott, 30 North Third street, Camden, N. J. Owner, name withheld. Extensive interior and exterior work. Contract awarded to Lewis West, 828 Broadway, Camden, N. J.

**Stores (4)**, Kaighn avenue, Camden, N. J. Architect, private plans. Owners, Causel & Walsh, 1305 Kaighn avenue, Camden, N. J. Brick, 1 story, 16x30 feet, slag roof, maple floors, electric light, plate glass (heating reserved). Contract awarded to Mockett Const. Co., Camden, N. J.

**Factory and Warehouse**, 417 Arch street, Camden, N. J., \$25,000. Architects, Koch & Wagner, 26 Court street, Brooklyn, N. Y. Owners, New Jersey Tobacco Co. of Newark, Newark, N. J. Brick, 3 stories, maple floors, electric light, hollow metal skylights, fire doors, roof ventilators, elevators, general interior alterations. Contract awarded to Mockett Const. Co., Camden, N. J.

**Residence (alts. and add.)**, 47 South Aberdeen avenue, Ventnor, N. J., \$6,000. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, John R. Neison, Elkins Park, Pa. Cut stone, tile roof, mill work, plastering, painting. Contract awarded to Charles D. Thompson, Pleasantville, N. J.

**Apartment, Store and Service Station**, Morris and Atlantic avenues, Atlantic City, N. J. Architect, V. B. Smith, Guaranty Trust Building, Atlantic City. Owner, E. H. Manning, care of architect. Brick and stone, 2 stories, 50x126 feet, slag roof, pine floors, stone foundations, hot water heat, electric light, tile and marble work. Contract awarded to Thompson Bros., Atlantic City, N. J.

**Residence**, Moorestown, N. J. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, Ephraim Tomlinson, Camden, N. J. Hollow tile and stucco, 2½ stories, 30x50 feet, wing 18x30 feet, shingle roof (steam or vapor heating, electric lighting and plumbing reserved), tile work, oak and pine floors. Contract awarded to Joseph Pennoek, Land Title Building, Philadelphia.

**Factory**, Camden, N. J. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, C. S. Haskell, Inc., Camden, N. J. Brick and steel, 1 and 2 stories, 62x141 feet, slag roof, maple floors, metal lath, rolled steel sash, fire doors, hollow metal skylights, iron work, dampproofing (plumbing, heating and electric work reserved). Contract awarded to Barclay White & Co., 1713 Sansom street.

**Garage**, Front street, Trenton, N. J. Archi-

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tect, Wm. Klemann, First National Bank Building, Trenton, N. J. Owner, Alex. Klenkovostein, North Eighth street, Trenton, N. J. Brick, 1 story, 30x100 feet, stone foundations, slag roof, cement floors, steam heating electric lighting, rolled steel sash. Contract awarded to Ernest Klemann, 61 Sweets avenue, Trenton, N. J.

**Store (add.)**, North Broad street, Trenton, N. J. Architect, Wm. Klemann, First National Bank Building, Trenton, N. J. Owners, Alex. Rice, Mercer Bottling Co., Trenton, N. J. Brick, 3 stories, 31x80 feet, stone foundations, slag roof, maple floors, steam heating, electric lighting. Contract awarded to Burton & Burton, 417 American Mechanics' Bank Building, Trenton, N. J.

**Residences (4)**, Stuyvesant avenue, Trenton, N. J., \$16,000. Architect, private plans. Owner, Antony, Canpanio, on premises. Brick, 2½ stories, 26x33 feet, concrete foundations, slate and tin roof, pine floors, steam heat, electric light. Contract awarded to Antonio Agiarulo, Trenton, N. J.

**Store**, Brunswick avenue, Trenton, N. J. \$3,600. Architect, private plans. Owner, Morris J. Wishnevsky, 162 Jefferson street, Trenton, N. J. Frame, 1 story, 36x55 feet, concrete foundations, slag roof, pine floors, steam heat, plate glass. Contract awarded to D. Rudenbarg, 29 Market street, Trenton, N. J.

**Garages (100)**, East Front street, Trenton, N. J. Architect, Wm. Klemann, First National Bank Building, Trenton, N. J. Brick, 1 story, irregular size, slag roof, cement floors, hot water heating, electric lighting, gasoline storage system. Contract awarded to Ernest Klemann, 61 Sweets avenue, Trenton, N. J.

**Factory Buildings (2) and Kiln Shed**, Trenton, N. J., \$60,000. Architect, J. O. Hunt, Montgomery avenue, Trenton, N. J. Owners, Maddock Pottery Co., Third and Dading streets, Trenton, N. J. Brick, 2½, 2 and 1 stories, 50x120 feet, 61x120 feet and 160x46 feet, reinforced iron, slag roof, concrete floors, hollow tile, steam heating, rolled steel sash, fire doors, roof ventilators. Contract for concrete work awarded to John Schamel, Trenton, N. J.

**Hotel (add.)**, North Carolina avenue and Boardwalk, Atlantic City, N. J., \$3,000,000. Architects, Rankin, Kellog & Crane, 1012 Walnut street, Philadelphia. Owners, Haddon Hall, Harry B. Leeds and J. Haines Lippincott, on premises. Brick, steel, terra cotta and concrete, 14 stories, 145x135 feet, slag roof, tile and oak floors, hollow tile, metal lath, steam heating, electric lighting, tile and marble work, elevators, waterproofing, damp-proofing, ornamental iron work. Contract awarded to Roydhouse-Arey Co., 112 North Broad street, Philadelphia.

## Miscellaneous Construction News

**Cottage No. 3**, Pinehurst, N. C. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owners, Mrs. H. Bradford Lewis, Pinehurst, N. C. Frame, 1 story, 50x52 feet, tile roof, pine floors, vapor heat, electric light. Owner is taking sub-bids.

**Residence**, Pinehurst, N. C., \$30,000. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, H. Bradford Lewis, Pinehurst, N. C. Frame, 2½ stories, 20x25

feet, wing 18x27 feet, thatched roof, oak floors, hot air heat, electric light, tile work. Contract awarded to Caldwell Corp. Co., Hamlet, N. C.

**Barn**, Northeast, Md. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, Dr. J. Norman Henry, Northeast, Md. Frame, 1 story, 75x95 feet, shingle roof, concrete floors, electric light. Contract awarded to Builder White, Northeast, Md.

**Enquirer Office Building**, 246-54 Main street, Buffalo, N. Y. Architects, Edw. B. Green & Co., Buffalo, N. Y. Owner, W. J. Conners, Buffalo, N. Y. Brick, steel, granite and terra cotta, 30 stories, 88x103 feet, slag roof, tile, marble and cement floors, hollow tile, metal lath, safety treads, weather strips, hollow metal sash, hollow metal skylights, fire and hollow metal doors, iron stairs and work, concrete foundations (heating, plumbing, electric work and elevators reserved). Architects taking bids due November 11th. Warren-Moore Co., Colonial Trust Building, Philadelphia, is figuring.

**Factory**, Gay and Preston streets, Baltimore, Md. Architect, private plans. Owners, Wortheimer Bros., Baltimore, Md. Brick and steel, 1 story, 70x100 feet, slag roof, cement floors, stone foundations, rolled steel sash. Contract awarded to Austin Co., Bulletin Building, Philadelphia.

**Manufacturing Building**, Queen street, South of Jackson avenue, Borough of Queens, N. Y. Architects, Ballinger & Perrot, 1328 Broadway, New York City. Owners, William T. White Building, on premises. Reinforced concrete and steel, 6 stories, concrete roof and floors, rolled steel sash, elevators, electric lighting, steam heating. Contract awarded to Fred T. Ley Co., Finance Building, Philadelphia; also of New York City.

**Office Building**, Schenectady, N. Y., \$400,000. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, General Electric Co., Schenectady, N. Y. Brick, steel and concrete, 5 stories, 54x219 feet, electric lighting, steam heating, tile and marble work. Plans in progress.

## Proposals

### INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Nov. 3, 1919. Sealed Proposals will be opened in this office at 3 P. M., Dec. 18, 1919, for furnishing the labor required in the construction complete, with materials that will be furnished by the Government, of the United States Post Office Building at Thomasville, N. C. Drawings and specifications may be obtained after Nov. 20, 1919, from the Custodian of the site at Thomasville, N. C., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Nov. 3, 1919. Sealed Proposals will be opened in this office at 3 P. M., Dec. 18, 1919, for furnishing materials for the construction of the United States Post Office at Thomasville, N. C., including materials for concrete, reinforced concrete, stone, granite, brick,

structural terra cotta, structural steel, miscellaneous iron and steel work, composition roofing, slate roofing, sheet metal work, skylights, plastering, interior marble, sanitary slate, lumber, mill work, painting, glazing, hardware, plumbing, heating, electric work, etc., in accordance with drawings, specifications and bills of quantities attached thereto, copies of which may be obtained after Nov. 20, 1919, from the Custodian of the site at Thomasville, N. C., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Nov. 4, 1919. Sealed proposals will be received at this office until 3 P. M., Nov. 28, 1919, and then opened for extension of mailing vestibule at the U. S. Post Office, Hagerstown, Md., in accordance with the specifications and drawings No. 65, copies of which may be had at this office or at the office of the Custod-

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TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., November 7, 1919.—Scaled proposals will be opened in this office at 3 P. M. December 2, 1919, for remodeling the electric freight elevator in the United States Post Office, Court House, and Custom House at Providence, R. I., in accordance with specification, copies of which may be had at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

(Continued from Page 712.)

and furnish them technical information as desired;

(2) To perform technical services for the Council, on request of the Executive Committee of the Council, such as the development of standards or participation therein; the solution, by in-

quiry or through research, of special engineering problems arising in safety work; and helpful co-operation with the American Engineering Standards Committee, the national engineering societies, the Bureau of Standards, the Casualty Department of Underwriters' Laboratories, etc.;

(3) To conduct one or more meetings as a part of the Annual Safety Congress, at which engineering problems shall be discussed;

(4) To conduct, if considered desirable, one or more additional sectional meetings during the year, or in different localities;

(5) To carry on such other activities as will, in the opinion of the Executive Committee of the National Safety Council, promote the Safety Movement and the best interests of the Council.

causes of unrest among their workmen and this is one which must be considered and remedied, or else these men through their various organizations, societies or unions, which are now developing, will bring it forcibly to their attention. Employers must do their part to make the work of their employees interesting, and salaries are not the only thing in which draftsmen are interested.

The drafting room must, first of all, have the very best system of lighting, and this should be determined in each particular case by an expert in illumination. Frequently drawings are made which require working to 1/100 in., therefore it is highly important that these men have the very best lights to avoid eye strain.

Good drafting tables should be provided and other accommodations for the men who are doing this very important work. There seems to be a desire all too frequently to economize on the drafting room equipment, hence so many common board tables on wooden horses, which is a great mistake. The saving made in the furniture and fittings is lost many times over through the discontent of the workman. Special instruments and labor saving devices are sometimes the means of considerable economy.

For general use in an office, where there is a demand for such instruments, a pantograph, planimeter, parallel rule, a set of ship curves, a calculating machine, etc., etc., are well worth the expense. In fact, a drafting room not equipped with these instruments, and particularly with drafting machines, is about as up-to-date as a large shop without automatic cutting machines or an oxy-acetylene welding outfit.

Draftsmen are too close to the executives for the latter to allow a condition of unrest or discontent to prevail. Their loyalty on the whole is without question, and since their work is so close to the office safe, so to speak, it is necessary that harmony exist between the executives and the engineering department. Otherwise the unrest may take the form of I. W. Wism or Bolshevism, which means nothing less than the destruction of all organized industry and government.

Draftsmen must do their share of the work of putting drafting on a plane commensurate with the dignity it deserves, which is equal in every way to that which engineering enjoys. There is entirely too much criticism among draftsmen. Criticism of another's work is quite out of place unless it comes in line with one's duty, and then it must conform with what is right and just. A great amount

## THE UP-TO-DATE DRAFTING ROOM

By ROBERT W. SHELMIRE,  
in *Engineering and Contracting*

Few realize the progress which drafting has made in the last generation. Even in engineering circles the work does not receive proper consideration. Thirty years ago the drafting and construction work went hand-in-hand. In other words, the designing and planning was not nearly so important a function as it is today. Projects now are thought out, designed and planned in every detail and carefully estimated before proceeding with construction. This is why drafting, which is, properly speaking, engineering, has become such a highly developed art, requiring an immense amount of technical knowledge and practical experience.

Drafting is not a trade as it was so considered years ago, because it is not physical labor so much as it is mental. Therefore, drafting is actually a profession, regardless of the fact that practically all draftsmen are employed and not in business for themselves. The profession of drafting should not be separated from engineering, because it is the engineering profession just as much as is the work of construction. It is unfortunate that the relation of drafting to engineering is not better understood by engineers and draftsmen and the public. It is a great mistake for any one to think that drafting is a menial occupation or is the unimportant part of engineering. Drafting, considered as a whole, is the most important part of en-

gineering, for it is in the preparation of the design and detail drawings that the economy of the whole scheme or structure is determined. It is the work in the drafting room that decides the success or failure of most all engineering projects.

In order, then, to correct the misunderstanding and avoid the existing confusion regarding the draftsman and his work, the word draftsman and drafting room had better be eliminated. Every one recognizes a designer or capable draftsman as being an engineer, so why not call them engineers? Likewise the drafting room, the engineering department? As it usually is so styled in most all correspondence. This to me seems the only way to bring order out of chaos and unity of thought and purpose among engineers and draftsmen.

There is considerable discontent in the various drafting rooms throughout the country which has been brought about partly through this inclination to separate the draftsman from the engineer, and partly on account of low salaries of draftsmen as compared to laborers and tradesmen. Certainly it is an unstable condition when the man who possesses the intelligence and ability to design and construct a machine receives a compensation frequently much less than the man who merely operates the machine. Employers are striving to eliminate the

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of time is spent by some draftsmen in talking about the various "jobs" they have held and petty treatment received. If this talk was properly directed towards raising the standard of the profession, instead of lowering the dignity of the work, it would on the other hand proportionately raise it. "Jobs" and "wages" must be superseded by "position" and "salaries." Avoid the employment agency, as many of the best companies will not take men from any agency which is in business for profit. Join some engineering society which offers this service or use the U. S. Employment Bureau.

Draftsmen should mix up more with other people and not live such narrow lives, confined by the four walls of the drafting room. To make yourself known and your work understood does not mean to be domineering or arrogant. The dignity of engineering will be better preserved by being modest, but the economic status is not raised by hiding your light under a bushel.

### HEATING A BUILDING WITH WASTE AIR

That warm air generally allowed to go to waste may be profitably used in heating a large building is clearly shown by tests made at the State Hospital in Chicago, Ill., as described by the supervising engineer, Mr. F. J. Postel, in the "Heating and Ventilating Magazine." The air used in the test was that from the tunnel through which the steam pipes passed from the central heating plant. Where a group of buildings is supplied with steam and hot water from a central plant, Mr. Postel reminds us, the usual method is to carry the pipes in service tunnels. Even though the piping is properly covered, the temperature of such tunnels is more frequently over than under 100 degrees Fahrenheit, especially as the size and number of steam pipes increase. He goes on:

"The tunnels are generally near the surface; in fact, the concrete tunnel roof frequently serves as a sidewalk between the buildings. Under these conditions, it naturally follows that the heat lost by transmission through the walls, and especially through the roof of the tunnel, is considerable. The best visual evidence of this is the melted snow outlining the location of a tunnel system, even in very cold weather.

"With a view of determining the feasibility of utilizing some of the waste heat of a tunnel system in heating and ventilating buildings, the following experiment was made:

"At the Chicago State Hospital there is quite an elaborate system of tunnels connecting the various buildings on the grounds. The south end of this tunnel system is new and at present contains only a high-pressure steam line and a heating return line, the other service piping not having been installed as yet. The temperature in this new tunnel is, therefore, considerably lower than that in the remainder of the tunnel system and is undoubtedly lower than the average temperature usually found in tunnel systems. However, due to the fact that one of the newer buildings served by this tunnel had a blast system already installed and that it was a comparatively simple matter to arrange the fan to draw its air supply from the tunnel instead of from outdoors, we selected this building for the test.

"The building is designed to house about one hundred patients. There are a large dormitory and a day-room on the first floor and two dormitories on the second floor. The solarium at the south end of the building and the toilet rooms, attendants' rooms, and the single rooms in the center of the building are heated by direct radiation, while the day-rooms and dormitories are equipped with a blast system, in addition to direct radiation. The blast system has not been used for several years, the day-rooms and dormitories being heated entirely by direct radiation and ventilated by open windows. In the test the direct radiation of the day-rooms and dormitories was shut off entirely and the rooms heated by the blast system alone. The air was discharged into the room just as it was drawn from the tunnels, without reheating.

"As the object of this test was primarily to determine how hot the rooms would get under certain outside temperature conditions and with a certain drop in tunnel temperature, no attempt was made to regulate the temperatures. . . .

"All the air used in the test was heated from the outdoor temperature by passing into the tunnel at the skylight and through the tunnel to the building, absorbing heat from the tunnel walls and pipe and from the exposed tank and piping in the basement of the building. . . .

"The introduction of tunnel air into the rooms resulted in a material increase in humidity. This may be accounted for by the moisture absorbed by the air in passing over the damp tunnel walls and by the steam escaping from expansion joints in the steam line, which probably were not absolutely tight. . . .

"The tests show that the air conditions

were quite satisfactory, especially considering the condition of the tunnel and the rather crude method of getting the air from the tunnel to the fan inlet. . . .

"The test proved conclusively:

"1. That it is entirely practical to heat and ventilate buildings with waste heat from a tunnel system.

"2. That with even a small amount of hot piping in a tunnel system insulated in the usual way, there is still sufficient waste heat to make its utilization well worth while.

"3. That if the tunnels are kept reasonably clean, the air conditions in the rooms may be maintained at a high standard of purity.

"It follows that as the temperature of the tunnels is decreased by this method, the heat loss through the tunnel walls and roof is decreased proportionately, and to this extent it represents a direct saving.

"Carrying this plan to its logical conclusion, it would appear that the limit to which we may safely go is reached only when the temperature of the tunnel gets down near the freezing-point. . . . The heat transmission through tunnel walls and roof is a direct measure of the heat wasted and this becomes a minor waste if the tunnel temperature is, let us say, 40 degrees Fahr.

"What this saving may amount to in the larger institutions is shown by the fact that, based on the results of the above test, plans are now being made to heat four buildings similar to the one used for this test at the Chicago State Hospital."

### A COTTAGE BUNGALOW

One of the most popular types of houses in America is the cottage-bungalow. True enough, the bungalow style has suffered somewhat from its so-called friends, and for a while it appeared that the activities of the "jerry" builder were destined to place anything which came under the head of "bungalow" in the undesirable class. Then, too, there was the "bungalow bug" who "lifted" bodily the type of bungalow designed for the climate of semi-tropical California and set it down on the bleak prairies of the Central West or in the snows of the long winter of the Northern or Eastern States. These abuses finally had the effect of discrediting the style to such an extent that many people considered that no one in his right mind would build or buy a house of the bungalow type.

By means of the numerous articles on the design and construction of homes which are constantly appearing in the



newspapers and in almost all of the magazines, the average man is gaining a considerable amount of practical knowledge about building. In many cases he is capable of recognizing the earmarks of shoddy materials or cheap workmanship, and his taste is being improved to the extent that he is not likely to favor any attempt to give him a design that is not suited to the climate or locality.

This education of the general public has resulted in making it increasingly difficult for the "jerry" builder to find a market for his claptrap houses, and is also eradicating the "bungalow bug." These two handicaps being lessened, the possibility of the bungalow type is again being generally recognized as offering something worth while in the way of design.

The true bungalow is, of course, a one-story affair; the cottage-bungalow is usually a story and a half, or in rare cases a full two-story house. The cottage-bungalow derives its name from the

fact that it combines the cottage type of interior arrangement with the exterior appearance of the bungalow. For a given amount of floor space the cottage-bungalow is more economical to build than is the true bungalow. It requires less foundation work, less roof surface, is easier to heat, and usually permits a better arrangement of rooms in so far as light and ventilation are concerned. The bungalow seems naturally suited to mild climates, but the cottage-bungalow is more practicable and satisfactory for colder localities. Much of the charm of California bungalows is due to the wealth of flowers and vines which surround them throughout the year, and any attempt to copy one in a colder climate where the vegetation is replaced by snow and ice throughout the winter usually proves unsatisfactory. In capable hands, however, the cottage-bungalow type may be designed so that it will be entirely satisfactory, both in its practical features and in its appearance.—*National Builder*.

#### PERCENTAGE METHOD.

One builder's method was quite interesting. He figured up closely upon the main items of the building, as the brick work, the lumber, mill work, etc., and took bids from subcontractors, and then figured the rest of the work upon percentages. For instance, painting would be a certain per cent. of the mill work; hardware a percentage of the mill work, and so on throughout the list. It is interesting to note that this man is known among his competitors as an erratic bidder, yet a man who has been fairly successful. At times his bids are low and other times quite high.

#### BASED ON MATERIAL MEN'S AND SUBCONTRACTORS' ESTIMATES ON LISTS SUBMITTED.

Another builder made lists of all quantities of work and submitted them to material men for prices, and to subcontractors for their estimates. With these prices and bids he then made his own estimates, reducing the subcontractor's estimates that he figured as being high. He considers these figures as cost, and when he has added them all together he decides upon the percentage to be added. This percentage is based upon how close he thinks his itemized figures are to real costs. Thus the percentage covers his real profit and a per cent. to take care of contingencies and under-estimating.

#### LETS MATERIAL MEN AND SUBCONTRACTORS TAKE OFF QUANTITIES AND GIVE ESTIMATES.

One builder had the material men and subcontractors take off their own quantities and name prices to him. He takes the lowest of these, estimates the labor items of his own forces, and adds all of these together, adding his profit to these figures. This contractor is known as one who may make a good profit on some jobs and poor on another, due to the fact that material men and subcontractors give him much trouble by omitting items, and contending they did not agree to do certain work or furnish certain materials.

#### GIVES LISTS BUT ALSO REQUIRES MATERIAL MEN AND SUBCONTRACTORS TO TAKE OFF THEIR OWN QUANTITIES.

One other builder not only requires material men and subcontractors to take off quantities, but he also furnishes lists to them, stating that these are the items upon which their figures are based. Thus he has a check upon them and their prices. With these as a basis he estimates actual costs on his own work. Upon the total thus obtained he figures a profit.

This contractor is very successful, not only in obtaining a large number of con-

## HOW SHOULD AN ESTIMATE OF COST BE MADE

By DANIEL J. HAUER, C. E.

"I have figured on more than 20 jobs this season," says a builder, "but have only gotten one or two contracts. Figures are all too high."

Unless the proper estimates are made when bidding, jobs can not be secured. There is always the chance that some builder has bid too low, due to inexperience in certain lines of work, or has made an error in his estimate, but in most cases a low bid does not mean a money loss to the successful bidder, but rather that he has estimated closer than the others, either by having a better knowledge of the work that is to be done, or a better method and system of estimating.

#### SUCCESSFUL BIDDING.

Successful bidding, as well as the successful carrying out of building contracts, must be based upon the knowledge and ability shown in estimating. There are many ways of making up estimates, and the fact that half a dozen builders may bid upon a building and their prices all be within 1 or 2 per cent. of one another shows that varying methods of estimating bring surprisingly close results. On the other hand, it is evident that when one or two bidders are 10 or 15 per cent. lower than a large group of bidders, and one of these low bidders receives the contract and makes money on the job, that this bidder's method of es-

timating must vary from the others, and be done along better lines.

#### RESULT OF A DISCUSSION.

This subject recently came up for an informal discussion among some builders and architects in one of our large Eastern cities, and the information on bidding as brought out may be a help to others.

#### LISTS OF ITEMS.

All agreed that the first thing necessary was to list the various items of cost, as plans, survey, bond, insurance, workmen's compensation, permits and other general items of expense. Then the list of work, whether done by the contractor or subcontractors, must be gotten up; such as excavation, concrete, brick work, lumber, mill work, stone masonry, hardware, roofing, painting and glazing, plumbing, heating, and so on through the long list. Some of the builders had printed lists on regular estimating sheets. Thus for every building every item could be checked off, whether used in the building or not, thus preventing any class of work being overlooked.

One of these lists is reproduced in connection with this article.

With this list checked off and quantities for each item taken off the plans, the real work of estimating begins.





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tracts, but also in the profit he makes upon the year's work.

#### ANALYSES OF THESE METHODS.

It can be seen that in these various methods of estimating, that one builder has a number of chances of losing money or else his prices may be too high. This is due to the fact that he figures upon averages and percentages.

The second builder is not accurate enough in his detail estimating. Thus he may get one job that has been figured close, but a second figured liberally (to which is added a percentage for contingencies) he loses by being too high. Contingencies mean that one lacks either the information of the details of a job, or the general knowledge of a business to make a real estimate of cost. In one case his estimate may be the real cost, in another it may be too low, while a third may be cost plus a profit. To add a percentage for uncertain features and an additional profit means to bid too high a price against a careful and accurate bidder.

The third contractor likewise has uncertain features in his estimating, so that he has much trouble and fails to secure many jobs.

The last-mentioned bidder, first of all, has checks and safeguards upon his estimate. He figures cost only to himself. Thus, although the material men and subcontractors have profits in their prices, yet these figures are costs to the builder. With these as a basis he has only a few items upon which he must estimate. One will be the labor of framing and placing his lumber, the placing of mill work, and a few other materials. These items will seldom run over 10 to 20 per cent. of the entire building. Thus he has reduced his estimating of costs to the minimum, and if these are figured without profit, he is not duplicating his profits when he adds one to the entire job. His figures can be safe, yet low, and he will secure jobs on which the other builders have estimated too high.

#### ACCURATE DATA THE SAFEGUARD IN ESTIMATING.

The best practice in estimating means that the data upon which the estimate is made must be accurate. The results thus obtained are bound to be gratifying to the estimator.—*National Builders.*

#### CONCRETE FLAGPOLE POURED IN PLACE

The unique construction of a 70-foot concrete flagpole in front of the Ancon Hospital Group at Ancon, Canal Zone, is described in the *Engineering News-Record*. In order to avoid the placing of complicated reinforcing steel to take the

handling strains, as well as the strains after erection, and the cost of erecting, it was decided to pour the pole in place. Stability was secured by using an enlarged base, which extended 10 feet into the ground. The pole is 17 inches in diameter at the base and 8½ inches in diameter at the top. It is reinforced longitudinally with eight square bars decreasing in size from 1¼ inches at the base to ½ inch at the top, and also has circular or hoop steel. The complete ratio of steel to concrete at the base is 0.055.

In its construction a light tower similar to a hoisting tower was first erected, and the forms for the pole, which were made of wood in eight sections, were erected inside this tower. The forms were fastened to the latter after having been plumbed by the use of two transits at right angles to each other. The steel was erected for the entire pole at one time, but the forms were only placed at the rate of one section per day. These were made in longitudinal halves, and were placed about the steel, and then filled with concrete with buckets. The mix used was a 1:1½:3, and a float finish coat was applied immediately after the forms were removed. The pole proved to be satisfactory both in cost and appearance.

#### DENVER'S PLAN FOR SETTLING DISPUTES

Denver, Colo., has developed an idea which ought to work for peace and harmony at a time when these things are at a premium, for its local Building Trades Council and the Master Builders' Association have agreed upon a plan for settling disputes. In the event of a disagreement which cannot be settled otherwise, it is to be arbitrated by a council of conciliation, made up of an equal number from the employed and the employment organizations, and if this council cannot agree it will refer the matter to a single arbiter, whose decision shall be final.

There are twenty-two trades represented in this agreement for arbitration.

#### THE CONCRETE FLOOR

Concrete is largely used as a floor material for garages, factories and mills, and gives a surface easily cleaned and impervious to water.

There is, however, one serious objection to this type of floor. When the floor is subjected to wear, there is a tendency toward the "dusting off" of the cement particles, and these particles floating about in the air are injurious to the health of employes and a menace to the working parts of delicate machinery.

The use of a proper protective coat-

ing, however, will readily overcome this objection. First see that the floor is perfectly dry and then apply a brush coat of concrete floor first coater. This will seal up the pores and stop the suction. Allow this coating to dry twenty-four hours and follow with two brush coats of concrete floor paint, allowing forty-eight hours for drying between coats.

If the floor is subjected to unusual wear, a final coat of good floor varnish will add materially to the appearance and durability.—*Exchange.*

#### BETTER FOREMEN

For those who are interested in the development of better foremen on construction, there is now in the course of preparation in the Department of Labor, Washington, D. C., a document dealing exclusively with hints and helpful suggestions to foremen which will soon be available.

At the present time there is available in the same department more than a dozen pamphlets on shop and contract management problems which will be sent to anyone on request.

The lumber cut for September, as reported by the eight principal lumber-producing associations, was 906 million board feet, compared with 898 million feet the previous month, while shipments were only 761 million feet, compared with 845 million feet the previous month, and orders booked during the month totaled 618 million feet, compared with 688 million feet the month before. The War Department has announced that it has practically no lumber to sell and the decline in orders in the face of such an announcement, coupled with the heavy building operations under way, would indicate a hesitancy on the part of buyers probably looking toward lower prices. The smaller shipments were largely due to transportation difficulties.

#### PERHAPS HIS NAME WAS BILL.

Oh, contractor, come build my house,  
Come, build and build and build.  
Alas he came and built my house  
And billed and billed and billed.

—*Architecture and Construction.*

To be poor in a wealthy country, to be sick in a good climate, to be inefficient among a progressive people, is a sign of unwise educational methods. Such people were not taught to battle with the world or meet life's emergencies.—*Thoreau.*



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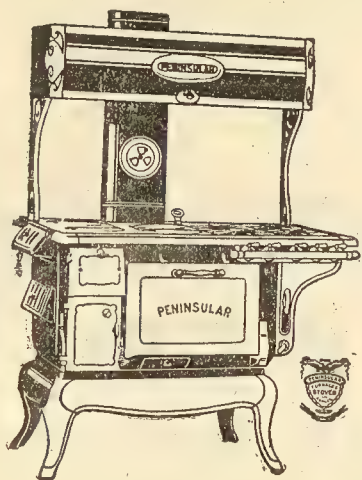
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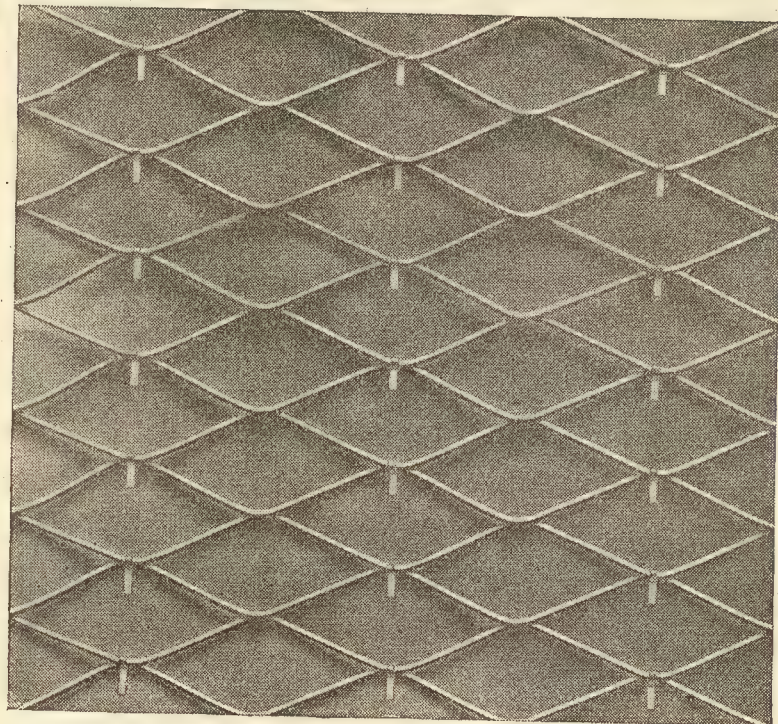
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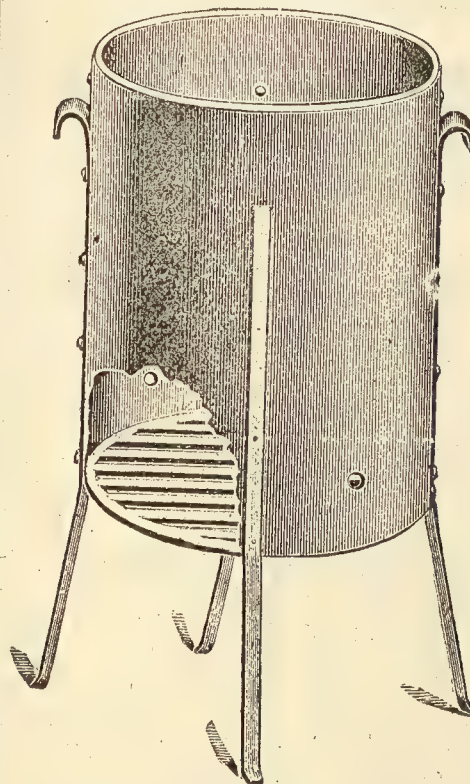
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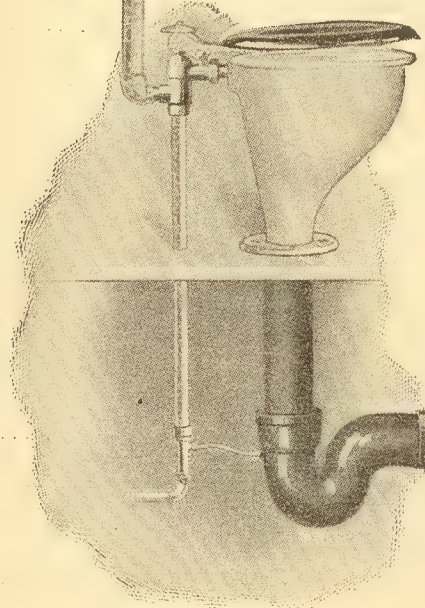
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Entered at the Philadelphia Post Office as Second-Class Matter

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November 19, 1919

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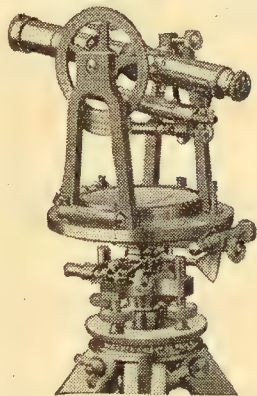
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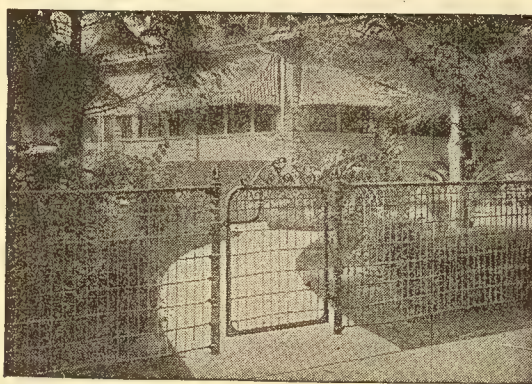


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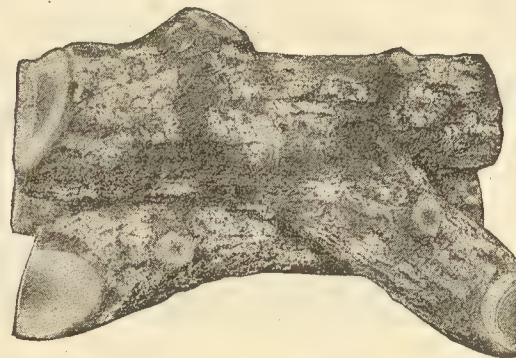
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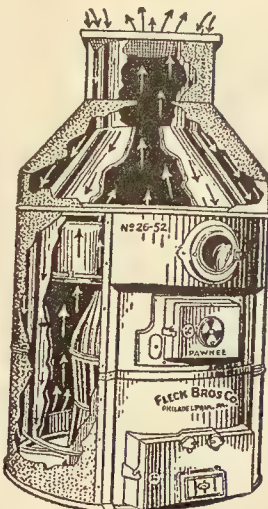


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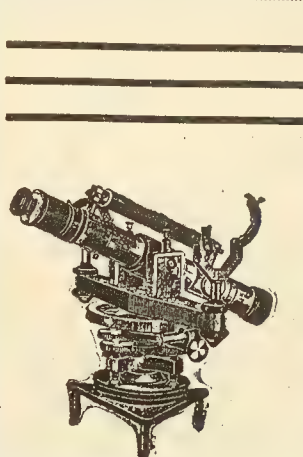
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Devoted to the Advancement of American Architecture, Structural  
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VOLUME XXXIV  
Number 47

PHILADELPHIA  
November 19, 1919

## BUILDERS' GUIDE

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## As The Editor Sees It



THE recent strike of the coal miners and the Bolshevik outbreaks throughout the country have served a useful purpose, namely, that of stirring the public to action. Americans are slow to act and are prone to follow the path of least resistance, but in an emergency they rise to the occasion. No one could demonstrate this fact more forcibly than did President United Mine Workers John L. Lewis, when he had the courage to say:

"Gentlemen, we will comply with the mandate of the court. We do it under protest. We are Americans. We cannot fight our government. That is all."

Such action was indeed a victory—a victory for the people of the United States of America, but, most of all, a victory for labor and the labor unions. All honor due the man who could so stand by his principles and his government. In the opinion of Franklin D. Roosevelt, Assistant Secretary of the Navy, we celebrated on Armistice Day "not only the first anniversary of the ending of the great war, but the day on which we triumphed for the ratification—not of the Treaty of Peace—but the ratification of American citizenship. Since the day on which the armistice was announced, we have felt that the national danger had not passed and we have passed through days of peril, as great as that experienced in the international conflict. But American good sense and American independence have triumphed; American

good citizenship has been victorious.

"But I believe that the United States Government cannot stop with the end of the coal strike. We dare not say our troubles are over. We do not wish to 'pass the buck' to future generations and the government—not only the administration, but Congress—will not sit back and wait until something else occurs.

"We must recognize the fact that men and women employed in occupations essential to the public welfare have a different status than those engaged in private employment. A new relationship must be realized between the employee and the employer, on the railroads, in the mines and in the public service corporations.

"It must be understood that such workers owe a duty to the people. But it is equally plain that the people owe a special duty to them. In taking away a right it must be recognized as obvious that those who have suffered an injustice or have a grievance shall have recourse to courts of justice.

"Before we become many years older the government of the United States will create special tribunals—not merely boards of arbitration—but courts with authority to enforce their decrees; courts of equity and justice to settle these controversies."

Surely the time is ripe for these principles to be crystallized into action. Labor has recognized the paramount importance of the public good; let the public

now realize how much the "welfare of the public" hinges on the welfare of the great laboring class—the two are interdependent; the common good depends on the welfare of each and every individual class.

In the words of the Cincinnati Enquirer: "The essential characteristic of the good citizen in a democracy is to be able to merge his individual, or class, interests in those of the mass. He surveys the whole field of the national life and cheerfully sacrifices himself and his welfare for the good of all."

The thought was amplified by William B. Colver, member Federal Trade Commission, in the opening sentences of his address at Atlantic City, N. J., November 14:

"I do not like to think of the Federal Trade Commission as an agency of government devoted to business, nor to any other subdivision of the public," said Mr. Colver. "In the President's Cabinet the public interest is subdivided and each is specially represented. But Congress clearly intended the Federal Trade Commission to function, solely, in the interest of all the public. If it shall do this faithfully, fearlessly and well, it will do far more for American business, whose welfare is the general welfare, than if it shall assume to be the special pleader for or the champion of business.

"The public interest! The general welfare! The common good!

"These are the very cornerstones of

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our government. Next come the guarantees of individual life and liberty and the pursuit of happiness and the protection of the ownership of private property.

"But individual liberty is only to be enjoyed up to the point where it encroaches upon the liberty of another. The individual may forfeit not only his liberty, but his life to society. Property rights yield, also, through taxation or the exercise of eminent domain when the higher right—the general welfare—is involved.

"For years we have seen the growth of organized subdivisions of the public. Such organization is proper and to be encouraged—but only to the point where an invasion of the general welfare, the public interest, is threatened.

"Capital has been encouraged to organize into corporations so that larger business units might be created. But when these giants began to combine into trusts the public interest was threatened, and a contest between public and private interest has been waged for over forty years. There is no objection to size—as such—but no part of the nation may be permitted to be more powerful than the whole.

"Labor was encouraged to organize by trades and crafts, and these have united in the common interest of the wage-earner. As in the case of organized capital, there can be no objection to the mere size of such combinations; none, unless the general welfare, the public interest, is threatened.

"We have just fought the greatest war in history to the end that the world may be safe for democracy. That is, that a rule of right and of reason may be substituted, internationally, for the rule of might and of force.

"Shall not the same end be served in our domestic affairs? Shall great business concerns be permitted, in order to find investment for unwieldy surpluses, to ruthlessly invade other and unrelated lines of business, and to trample the peaceful traders in the market place like a herd of mammoths?

"Shall a public service corporation—as in Toledo—be allowed to call its rolling stock out on a general strike without regard to the public interest or the general welfare and comfort of the owners of the streets of that city?

"Shall the organized wage-earners, who constitute so great and so important a part of the public, for a moment disregard the greater welfare of the public of which it is a part?

"During the war each was ready to contribute his property, his services, his very life, to the common cause—the general welfare, the public interest. Imbued by such a spirit America was invincible. Shall we go back to a struggle—a civil war—between great business enterprises

and smaller ones? To a primitive warfare between employer and employees? To a guerrilla warfare between producer and consumer? To a division into armed camps as to farmers and city dwellers? It is unthinkable.

"We have shown the world what an army of the soldiers of freedom, backed by the labor, and capital, the arts and industries, and the genius and resources of a free land, united, can do. Shall the armies, the divisions, the brigades, the units and the individuals of America united now turn against each other? It cannot be. The public interest is paramount. The public interest is supreme. The ills and hardships of any subdivision or class can safely be trusted to be solved in the public interest. The court of public opinion can not be orderly and sane in its judgments if it is a bedlam filled with the cries of contending parties. Let us have peace in the court of public opinion. Let each submit himself to the judgments of that high court—for if we do not, and if the public interest is subordinated to any or several special interests, then the law of the jungle will be the law of the land, and liberty and justice will be fugitives hunted by organized bands of madmen.

"Organized capital; organized labor; organized farmers; organized landlords; organized tenants; and organized everything and everybody, can and will be useful in our national life so long as they function solely in and for the public interest.

"Organized selfishness? Never!"

\* \* \* \*

CONGRESSMAN George Holden Tinkham, Massachusetts, who is responsible for House Resolution 7014, which provides for the creation of a Bureau of Housing and Living Conditions in the United States, said recently in behalf of his bill:

"Revolutionists and Bolsheviki who desire and intend the destruction of modern society do not own homes. They have no fixed interest in the social order and nothing to protect from destruction.

"The relation between labor and housing is vital. Good living conditions and good housing conditions especially promote better citizenship, increase productive capacity and reduce labor turnover. The desire for a home next to the desire for food is one of the deepest of human instincts. The national government should interest itself particularly at this time in this great social and industrial problem.

"Under the terms of my bill the proposed bureau will be charged with investigating the housing and living conditions of the industrial population of the United States. The bill provides for research and experimentation by the bureau with a view to the provision and publication of information to make economic-

ally practicable the elimination of slums, the improvement of living conditions, the reduction of the cost of construction of dwellings and the financing of extended home building operations without Federal appropriations. It will furthermore assist communities in making available to the utmost extent all existing housing facilities and serve as a clearing house of information on housing and living conditions.

"The Federal Government as a result of its war housing program, in which was expended approximately \$110,000,000 to build homes for industrial workers, has accumulated a vast fund of information and experience in this connection which should be made available to every community in the United States. At the present time no government bureau has power to make this material available. My bill, if enacted into law, offers the Federal Government the greatest possible opportunity to make practical use of information gathered at a tremendous price in war times.

"The problem is a national problem and an urban one, due to the rapid expansion of the urban population in which the whole United States, which is increasing at a rate three times greater than that of the rural population, 46 per cent. of the whole population being urban in 1910 and there being but little doubt that the 1920 census will show more than 50 per cent. of our population living in cities. Before the war, due to this rapid expansion, there was a shortage of homes, which was greatly augmented by the sudden cessation of building during the war.

"The normal peace time expenditure in the United States for workmen's houses has been estimated at \$1,000,000,000 a year. In 1917 the expenditure for this purpose were only 10 per cent. of this amount. This deficit is further being rapidly increased at present by the very high cost of labor and material as well as the difficulty of obtaining mortgage loans. It was estimated some time ago that there was a shortage of more than one million homes in the United States. Every community is seeking the best possible means to relieve a situation more acute today than ever. The national government has distributed land to homesteaders in the rural districts and has established Federal Land Banks for the financing of the farmer. Many departments of the government have bureaus which study and publish information regarding a multiplicity of subjects much less important than the subject of housing and living conditions.

"The United States is thus far practically the only country engaged in the war which has not taken definite steps to relieve the vital housing problem and

(Continued on Page 742.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION: ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Bank**, 4022-24 West Girard avenue, Philadelphia. Architect, A. L. Levy, 3960 Pennsgrove street, Philadelphia. Owner, United Bank & Trust Co., on premises. Brick and terra cotta, 1 story and mezzanine, 40x95 feet, slag roof, vapor vacuum heating, electric lighting, tile or terrazzo work, marble work, bronze doors and grilles, wood screens, hardware. Architect will be ready for bids in a few days.

**Bank (alts.)**, City Hall Square, Philadelphia. Architects, Furness, Evans & Co., Franklin Bank Building, Philadelphia. Owners, Commercial Trust Co., City Hall Square, Philadelphia. Interior alterations, new partitions, brass work, tile and terrazzo work, painting. Plans in progress. Architects will submit.

**Residence (alts. and add.)**, 630 South Forty-eighth street, Philadelphia. Architects, Pollock & Rust, 1802 Chestnut street, Philadelphia. Owner, Mrs. Elizabeth Call, care of architects. Interior alterations, carpentry, mill work, tin roof, tile work, electric lighting, plumbing, stair work. Plans in progress.

**Residence and Garage (alts.)**, 32 Summit avenue, Chestnut Hill, Philadelphia. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building. Owner, William Lord Sexton, Highland Station, Chestnut Hill, Philadelphia. General alterations, new partitions, tin roof, oak floors, cement work, vapor vacuum heat, electric work and fixtures, mill work, cabinet work. Architect taking bids. Wolverton & Co., 28 East Willow Grove avenue; Pringle Borthwick, 8018 Germantown avenue, and A. L. Fretz & Son, Heed Building, are figuring.

**Factory (add.)**, 411 Race street, Philadelphia. Architect, private plans. Owners, Stephen F. Whitman & Co., 411 Race street, Philadelphia. Brick and concrete, 5 stories, 33x118½ feet, slag roof, steam heating, electric lighting. Work contemplated.

**Store and Office Building (alts. and add.)**, Southeast Corner Fifty-second and Market streets. Architect, Charles Rabenold, 1524 Chestnut street, Philadelphia. Lessees, Schulte Co., 386 Broadway, New York City. Brick and stone, 3 stories, terrazzo and wood floors, metal lath, steam heating, electric lighting, tile and marble work, new front. Plans in progress.

**Elevator Hatch**, 45-51 North Seventh street. Architect, Frank E. Hahn, 1112 Chestnut street. Owner, M. Kraftsow and I. Titleman, on premises. Brick, 6 stories, 8x8 feet, slag roof, electric light, stone foundations. E. F. Bahls, 1702 North Thirteenth street, taking bid from Kober Const. Co., 34 South Seventeenth street, due November 19th.

**Residence and Garage**, Lincoln Drive and Cliveden street, Germantown. Architect, Mahlon H. Dickinson, 1705 Chestnut street, Philadelphia. Owner, Samuel Stern, Common-

wealth Building, Philadelphia. Stone, 2½ stories, 26x43 feet, and 1 story, 18x22 feet, slate roof, oak floors, cement work, hot water heat, electric light, tile work. Architect ready for sub-bids.

**Residences (2) (alts. and add.)**, 418-20 South Carlisle street. Architect, Mahlon H. Dickinson, 1705 Chestnut street, Philadelphia. Owner, A. Edward Newton, Nineteenth and Hamilton streets. Brick, 3 story add., 12x13 feet, slag roof, general interior alterations, painting, papering, hot water heat, electric lighting and fixtures, brick work and brick renovating, hollow metal skylights, painting, papering, carpentry, mill work, galvanized iron work. Architect is taking sub-bids.

**Residences and Garages (5)**, Front street and Roosevelt Boulevard, \$55,000. Architect, private plans. Owner, John Tucker, 312 Christian street, Philadelphia. Brick, (1) 3 stories, 15x50 feet, (4) 2 stories, 15x32 feet and 12x17 feet 10 inches, hot water heating. Owner will build.

**Residences (52)**, Fifty-third and Willows avenue, Philadelphia, \$210,000. Architect, private plans. Owner, Edward R. Rusk, 1018 South Fifty-fifth street, Philadelphia. Brick, 2 stories, 16x42 feet and 16x30 feet 4 inches, 12 feet 10 inches x 8 feet 8 inches, hot water heating. Owner will build.

**Shop**, East side Salmon street, North of Venango street, Philadelphia, \$6,000. Architect, private plans. Owner, John M. Kennedy, 1001 Chestnut street, Philadelphia. Brick, 1 story, irregular size, slag roof. Owner will build.

**Building (alts.)**, 256 North Fifty-second street, Philadelphia. Architect, F. C. Bor, 5426 Vine street, Philadelphia. Owner, William T. Toner, on premises. New front to second floor, stone and tile work, metal lath, pine flooring, iron work, roofing, metal lath, plastering, electric lighting, plumbing, painting and glazing. Architect taking bids. W. W. Austine & Co., 1218 Filbert street, are figuring.

**Residences (38)**, 5409-45 and 5408-44 Hadfield avenue, \$190,000. Architect, private plans. Owners, Ferguson & Collins, 5400 Willows avenue, Philadelphia. Brick, 2 stories, 15x25½ feet and 12x13½ feet, hot water heating. Owners will build.

**Residences (3)**, West side McCallum street, North of Mt. Pleasant avenue, \$25,000. Architect, private plans. Owner, A. T. Smith, 7043 McCallum street, Philadelphia. Stone, 3 stories, 29 feet 4 inches x 37 feet 4 inches, 16 feet 8 inches x 11 feet 8 inches, hot water heating. Owner will build.

**Residences (50)**, (2) Sixty-fifth and Diamond streets, and (48) Sixty-fifth and Lebanon avenue, Philadelphia, \$314,000. Architect, private plans. Owner, Marshall Cont. Co., Sixty-fifth and Lebanon avenue, Philadelphia. Brick, 2 stories, 18x45 feet, 16 feet 4 inches x 45 feet and 16x32 feet, 13x13 feet,

hot water heating. Owners will build.

**Residences (14)**, East side Sixth street, South of Fishers avenue, \$63,000. Architect, private plans. Owner, Keely Const. Co., 4452 Germantown avenue, Philadelphia. Brick, 2 stories, 15x33 feet 9 inches, 12x13 feet, hot water heating. Owner will build.

**Residences (5)**, American street, North of Fishers avenue, \$15,000. Architect, private plans. Owner, Emil P. Stahl, 5209 North Third street, Philadelphia. Brick, 2 stories, 14 feet 4 inches x 28 feet, 11 feet 4 inches x 12 feet, hot water heating. Owner will build.

**Office and Apartments**, 2224 South Twentieth street, Philadelphia, \$8,000. Architect, private plans. Owner, Burton C. Simon, Nineteenth and Jackson streets, Philadelphia. Brick, 2 stories, 16x24 feet, 40x59 feet, hot water heating. Owner will build.

**Residence (alts.) to Apartments**, 6307 Germantown avenue. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, architect. Stone, 3 stories, 35x200 feet, tin and slag roof, plumbing, plastering, carpentry, electric work. Architect taking bids due November 21st. Smith-Hardican Co., 1606 Cherry street; Albert Zellfelder, 151 South Broad street, and Ephrem Carmel, 350 Queen Lane, are figuring.

**Manufacturing Building**, 1007 Arch street, Philadelphia. Architect, not yet selected. Owner, Rumsey Electric Co., 1231 Arch street, Philadelphia. General alterations and additions. Work contemplated.

**Residence (alts. and add.)**, 5102 Spruce street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Robert J. Hoben, 261 South Twenty-first street, Philadelphia. Brick, 3 stories, 1 story add., 7x12 feet, oak floors (hot water heat and plumbing reserved), electric lighting, tile and marble work, cement and stone work. Architect taking bids due November 24th at noon. LeRoy K. Smith, Forty-first and Chester avenue; J. D. Fisher, 5424 Thompson street; Walter Evitts, 5022 Chancellor street; J. H. Hutt, 5909 Spruce street, and W. J. Erwin, 5927 Kingsessing avenue, are figuring.

**Bank Building (alts.)**, 1512 Chestnut street, Philadelphia. Architect, Frank Seeburger, 1524 Chestnut street, Philadelphia. Owner, Rittenhouse Trust Co., 1323 Walnut street, Philadelphia. General interior alterations, tile and marble work. Architect taking bids due as soon as possible. William R. Dougherty, 1610 Sansom street, only bidder.

**Residences (8)**, Church Lane and Seventieth street, \$24,000. Architect, private plans. Owner, H. Levin, 2018 South Sixtieth street, Philadelphia. Brick, 2 stories, 16x22 feet 11 inches x 10 feet, slag roof, hot air heating, electric lighting, pine floors. Owner will build.

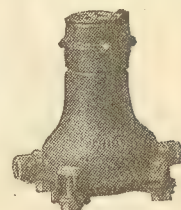
**Apartment House (alts.) and Garage and Office**, Thirtieth street to Fletcher street, be-



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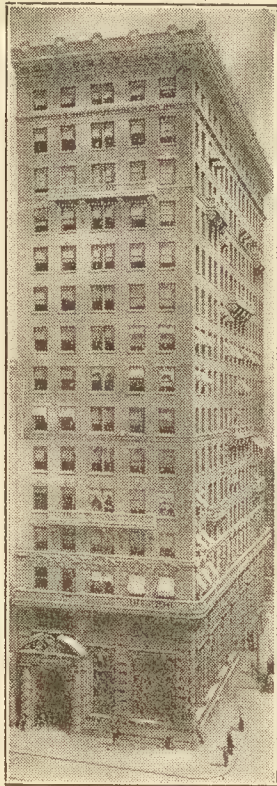
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low Dauphin street. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner's name withheld. Brick, 2 stories and 1 story, 130x36 feet, wing 50x36 feet, slag roof, cement floors, stone foundations, hot water and steam heat, electric lighting, tile work, electric elevator. Plans in progress.

**Philadelphia Textile School**, Twenty-fourth and Hamilton streets, Philadelphia. Architect not yet selected. Owners, Alumni Association of Philadelphia Textile School, care of W. H. Richardson, 322 Chestnut street, Philadelphia. Work contemplated.

**Residences (4)**, 4673-79 Adams street, Phil-

adelphia, \$6,000. Architect, private plans. Owner, J. D. Fotheringham, 1000 Arrott st., Philadelphia. Frame, 2 stories, 16x40 feet, hot water heat. Owner will build.

**Garage**, 938 Herbert street, Philadelphia, \$1,900. Architect, private plans. Owner, J. D. Fotheringham, 1000 Arrott street, Philadelphia. Brick, 1 story, 16x20 feet, slag roof, cement floors. Owner will build.

**Amusement**, Woodside Park, Philadelphia, \$25,000. Architect, private plans. Owners, Standard Amusement Co., on premises. Canal for water ride. Owners will build.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Factory Buildings (2)**, Twenty-fifth and Hunting Park avenue, \$500,000. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Edw. G. Budd Mfg. Co., on premises. Brick, steel and concrete, 4 stories and 1 story, 60x163 feet. Contract awarded to Warren-Moore Co., Colonial Trust Building.

**Storage Building**, 2530 North Cadwallader street, Philadelphia, \$6,000. Architect, private plans. Owners, William Ritter & Bro., 2529 Germantown avenue, Philadelphia. Brick, 3 stories, 14x58 feet. Contract awarded to Harry Gill, Jr., 2515 Germantown avenue.

**Building (alts.)**, Northeast Corner Seventeenth and Arch streets, Philadelphia, \$5,000. Architect, private plans. Owner, Bell Telephone Co., on premises. General alterations. Contract awarded to F. L. Hoover & Sons, 1023 Cherry street.

**Building (alts.)**, 219 South Broad street, Philadelphia, \$3,000. Architect, private plans. Owner, W. E. Adams, on premises. Repair fire damage. Contract awarded to F. E. Wallace, 1220 Chancellor street, Philadelphia.

**Garage**, 1502 Carlisle street, Philadelphia, \$3,000. Architect, private plans. Owner, B. F. Devitt, 1503 North Fifteenth street, Philadelphia. Brick, 1 story, 26x35 feet, cement floors, slag roof. Contract awarded to Samuel R. Detwiler, 1719 North Thirteenth street, Philadelphia.

**Garage**, 2819 North Mascher street, Philadelphia, \$9,000. Architect, private plans. Owners, F. F. Houghton & Co., 240 West Somerset street, Philadelphia. Brick, 1 story, 35x93 feet, slag roof, cement floors. Contract awarded to William L. Bushnell, 2146 East Norris street, Philadelphia.

**Factory (alts.)**, North side Latona street, East of Passyunk avenue, \$2,500. Architect, private plans. Owners, Perseverance Foundry Co., 822 Latona street, Philadelphia. General fire renovations. Contract awarded to Mitchell Bros., 2125 Race street, Philadelphia.

**Factory (add.)**, Southwest Corner Lewis and Ashland streets, Philadelphia, \$15,000. Architect, private plans. Owner, J. H. Meyer Cotton Duck Co., on premises. Brick, 1 story add., 36x123 feet and 46x67 feet, slag roof, steam heating, electric lighting. Contract

awarded to H. H. Burrell, 206 South Quince street, Philadelphia.

**Garage**, 4922 North Broad street, Philadelphia. Architect, private plans. Owner, William Lotz, 507 Sixty-seventh avenue, Philadelphia. Brick, 2 stories, 38x178 feet, slag roof, cement and pine floors, stone foundations (heating and electric lighting reserved). Contract awarded to E. E. Hollenback, Inc., 1804 Brandywine street.

**Commercial Building (alts.)**, 425 Market street, Philadelphia. Architects, Clark & Dudnick, Drexel Building. Owners, A. Bodek & Son, 429 South street. Brick front, 4 stories, slag roof, pine floors, electric light. Contract awarded to S. Bass & Son, 737 Walnut street, Philadelphia.

**Garage**, Twenty-sixth and Dauphin streets, Philadelphia, \$10,300. Architect, private plans. Owner, Henry J. Lachenmayer, 3153 North Twenty-second street, Philadelphia. Brick, 1 story, stone foundation, slag roof, cement floors, hollow tile, electric lighting. Contract awarded to William C. Hale, 1636 Ludlow street, Philadelphia.

**Dye House**, East side "A" street, North of Tioga street, \$15,000. Architect, private plans. Owner, John M. Kennedy, 1001 Chestnut street, Philadelphia. Brick, 1 story, 28x50 feet, 28x94 feet. Contract awarded to Charles Swartz, 5343 Larchwood avenue.

**Hospital Buildings (alts. and add.)**, Second and Luzerne streets, Philadelphia. Architect, Philip H. Johnson, Presser Building, Philadelphia. Owner, Philadelphia Hospital for Contagious Diseases, care of Dr. Wilmer Krusen, Director, Department of Public Health and Charities, City Hall. Extension to observation building and alterations and addition to refectory and storage buildings, brick and concrete, 3 stories, 55x62 feet, fireproof, steel, slate roof, granolithic and terrazzo floors, hollow tile, metal lath, elevators, metal weather strips, waterproofing, dampproofing, steam heating, electric lighting, marble and terrazzo work, rolled steel sash, wrought iron skylights, fire doors, kitchen equipment, iron stairs and work (plumbing, heating and electric work separate. Contract awarded to William R. Dougherty, 1610 Sansom street, Philadelphia.



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**Wagon Factory**, Southeast Corner Second and Norris streets, Philadelphia, \$10,000. Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, Keystone Wagon Works, 1949 North Second street, Philadelphia. Brick, 1 story, 56x62 feet, 2-inch plank slag roof, cement floors, stone foundations, steam heating, electric lighting, rolled steel sash, hollow metal skylights, sliding doors, wheel guards. Contract awarded to Hurley Bros., Franklin Trust Building, Philadelphia.

**Stores and Apartments (alts. and add.)**, Twenty-second and Spring Garden streets, \$32,000. Architects, Robert J. Pollock & E. G. Rust, 1802 Chestnut street. Owner, Costello Bros., on premises. Stores (3), apartments (4), new fire doors, sheet metal work, oak floors, steam heating, electric lighting, plumbing, tile work, mill work, changing partitions, structural and ornamental iron work. Contract awarded to William R. Graham, 3649 Filbert street, Philadelphia.

**Residence (add.)**, 8106 Seminole avenue, Chestnut Hill, \$8,800. Architect, private plans. Owner, Nathaniel Knowles, on premises. Stone, 2 stories, 27x28 feet, slate roof, electric lighting, tile and marble work, oak floors. Contract awarded to William C. Wright, 22 Harvey street, Philadelphia.

**Church**, Sixteenth street, North of Courtland streets, \$15,600. Architect, private plans. Owner, Bethany Community Church, on premises. Frame, 1 story, 40x70 feet, shingle roof, steam heating, electric lighting, pine floors. Contract awarded to William C. Wright, 22 Harvey street, Philadelphia.

**Office and Garage**, east side of Stokley street, north of Roberts avenue, \$18,000. Architect, private plans. Owners, American Insulation Co., on premises. Brick, 2 stories, 77½x24 feet, steam heating. Contract awarded to Wm. Steele & Sons Co., 1600 Arch street, Philadelphia.

**Garage**, 5801-05 Lansdown avenue, Philadelphia, \$5,500. Architect, private plans. Owner, Thomas Finley, 5602 Hunters avenue, Philadelphia. Brick, 1 story, 90x85 feet. Contract awarded to M. J. Welsh, 7000 Woodland avenue, Philadelphia.

**Glass Factory (alts.)**, east side of tSate road, south of Devereaux street, \$25,000. Architect, private plans. Owners, Gillinder & Sons, on premises. General fire repairs. Contract awarded to Wm. Steele & Sons Co., 1600 Arch street, Philadelphia.

**Garage**, 540 West Carpenter street, Germantown, Philadelphia, \$5,200. Architect, private plans. Owner, L. Cartmell, 655 Johnson street, Philadelphia. Brick, 1 story, 18x85 feet, slag roof, cement floors. Contract awarded to Fred T. Collier, 202 West Rubicam street, Philadelphia.

**Mill Building**, Manayunk, Philadelphia, \$185,000. Architect, private plans. Owners, Philadelphia Paper Mills, Manayunk, Philadelphia. Brick, steel and concrete, 2 stories, 60x260 feet, wing 60x160 feet, slag roof, concrete floors, hollow tile, stone foundations, rolled steel sash and skylights, fire doors, iron stairs, iron work. Contract awarded to Hughes-Foulkrod Co., Commonwealth Building.

**Office Building, No. 4 (alts. and add.)**, Richmond and Ball streets, Philadelphia, \$12,000. Architect, private plans. Owners, Wm. Cramp & Sons Ship and Engine Building Co., on premises. Brick and steel, 4 stories, yellow pine floors, metal lath, plastering, millwork, carpentry, iron stairs and iron work. Contract awarded to A. R. Raff Const. Co., 1635 Thompson street.

**Dwelling (add.)**, northeast corner of Chestnut avenue and Seminole street, \$2,500. Architect, private plans. Owner, Clement R. Wainwright, on premises. Stone, 1 story, 12x30 feet, slate roof. Contract awarded to George S. Roth & Son, 230 E. Graver's Lane.

**Storage Warehouse**, North Queen street, Lancaster, Pa. Architect, E. C. Urban, Woolworth Building, Lancaster, Pa. Owner, John Stauffer, North Queen street, Lancaster, Pa. Brick and frame, 1 story, 65x215 feet, stone foundations, slag roof, concrete floors, electric lighting. Sketches in progress. Too early for details.

**Residence (alt. and add.)**, North Lime street, Lancaster, Pa. Architect, E. C. Urban, Woolworth Building, Lancaster, Pa. Owner, Walter Fraim, on premises. Brick, interior and exterior alterations, plumbing, porches, hardwood floors. Plans in progress.

**Storage Warehouse and Garage and Refrigeration Plant**, York, Pa. Architect, J. A. Dempwolf, Cassatt Building, York, Pa. Owner, York Sanitary Milk Co., North York street, York, Pa. Brick, steel and timber, 1 and 2 stories, 80x150 feet, slag roof, cement floors, steam heat, electric light, gasoline storage system. Plans in progress.

**Tobacco Sweat House and Boiler Room**, Lancaster, Pa. Architect, J. B. Hamme, City Bank Building, York, Pa. Owner, Eisenlohr Bros., 932 Market street, Philadelphia. Brick, concrete and steel, 1 story and basement, 115x230 feet, slag roof, concrete floors, steam heat, electric light, hollow metal sash and doors, iron stairs, roof ventilators, radio brick chimney, (3) boilers. Architect ready for bids.

**Factory (add.)**, North Prince street, Lan-

caster, Pa. Architect, E. C. Urban, Woolworth Building, Lancaster, Pa. Owner, Charles F. Stauffer, 40 North Duke street, Lancaster, Pa. Brick, 1 story, 60x60 feet, concrete foundations, slag roof, wood floors. Owner is taking sub-bids.

**Sanatorium**, West York Borough, Pa. Architect, Ed. Leber, Hay Building, York, Pa. Owner, Dr. E. W. Reisenhelder, 142 West Market street, York, Pa. Brick, 3 stories, general interior alterations. Architect taking sub-bids.

**Factory**, York, Pa., \$240,000. Architect, J. B. Hamme, City Bank Building, York, Pa. Owner, Otto Eisenlohr Bros., 932 Market street, Philadelphia. Brick and reinforced concrete, 3 stories and basement, 88x175 feet, concrete roof, concrete and maple floors, steam heat, electric light, plumbing, elevators, hollow metal sash and skylights, iron stairs. Low bidder, S. F. Gladfelter, York, Pa.

**Ice Cream Factory**, Coatesville, Pa. Architect, Benjamin R. Stevens, Inc., 1737 Filbert street, Philadelphia. Owner, Breuninger Bros., Coatesville, Pa. Reinforced concrete, 2 stories and basement, 80x126 feet, slag roof, cement floors, steam heating, electric lighting, cork insulation, electric freight elevator. Plans in progress. Architect will be ready for bids in three weeks.

**Bank (alts. and add.)**, Chester, Pa. Architect, Benjamin R. Stevens, Inc., 1737 Filbert street,

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Philadelphia. Owner, First National Bank, Chester, Pa. General alterations, brick and concrete add., 1 story and basement, 15x26 feet, stone veneer, concrete floor, safe deposit vault, electric lighting, tile and marble work, rolled steel sash, cork floors. Plans in progress. Architect will take bids in 3 weeks.

**Residence**, Doylestown, Pa. Architect, C. E. Schermerhorn, 430 Walnut street, Philadelphia. Owner, David D. Nyce, Doylestown, Pa. Hollow tile and plaster, 2 stories, 30x35 feet, shingle roof, oak and pine floors, stone foundations, hot water heating, electric lighting, tile work. Owner will build and is taking sub-bids.

**Residence (alts.) to Apartments (5)**, Sharon Hill, Pa. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, Tully Memorial Presbyterian Church, Sharon Hill, Pa. Changing partitions, pine floors, hot water heating, electric lighting, tile work, plumbing, dumb waiters, gas ranges. Architects taking bids due November 24th. Wills-Ludwick Co., 1708 Sansom street; Thomas C. Trafford, 1613 Sansom street; Delaware County Const. Co., 18 Summit street, Clifton Heights, Pa., and Warren E. Biscoe, 3954 Ludlow street, are figuring.

**Residence**, Wynnefield, Pa. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, Maxwell Ellis, 4948 North Broad street, Philadelphia. Hollow tile and stucco, 2½ stories, 26x54 feet, slate roof, stone foundations, hot water heating, electric lighting, oak floors. Architect taking bids. William R. Graham, 3649 Filbert street; J. E. Kearney, 34 South Seventeenth street; Delaware County Const. Co., 18 Summit street, Clifton Heights, Pa. and Cynwyd Const. Co., Cynwyd, Pa., are figuring.

**Bridge**, Bingham street, Reading, Pa., \$750,000. Owners, City, and Berks County, Reading, Pa. Architect, private plans. Re-

inforced concrete and steel, 1,585 feet long, 60 feet wide, 16 spans. County Commissioners of Berks County taking bids.

**Building for Swimming Pool**, Villa Nova, Pa. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Augustinian Fathers, on premises. Stone, 2 stories, 70x100 feet, stone foundations, tile roof, hot air heating, electric lighting, tile and marble work. Plans in progress.

**Academy (alts.)**, Villa Nova, Pa. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owners, Augustinian Fathers, on premises. Stone, reinforced concrete, 3 stories, 55x82 feet, stone foundations, tile roof, hardwood and tile floors, electric lighting, steel lockers. Revised plans in progress.

**Residence and Garage**, Cynwyd, Pa. Architect, Richard R. Neely, 1619 Chestnut street, Philadelphia. Owner, David N. Patterson, 1532 Wallace street, Philadelphia. Stone, 2½ and 1 stories, 27x38 feet and 9x27 feet, shingle and slag roof, stone foundations, hot water heating, electric lighting, tile work, oak, pine and cement floors. Architect taking bids due November 26th. A. L. Fretz & Son, Heed Building; Welch & Wheeler, 243 North Vodges street; D. Ridgway Evans, Beechwood Park, and Rudolph Lukens, Cynwyd, Pa., are figuring.

**Bungalow**, Brookline, Delaware County, Pa. Architects, Custer & Gill, Camden, N. J. Owner, D. M. Rodgers, care of Jacob Reed & Sons, 1422 Chestnut st. Stucco, 1\* stories, 29x51 feet, shingle roof, oak and pine floors, hollow tile, stone foundations, hot water heating, electric lighting, iron work. Owner taking bids due November 21st. Potts Bros. & Coopers, 129 North Eleventh street, are figuring.

**Stores and Apartments (4)**, Chester, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, R. H. Scroggins, Crozer Building, Chester, Pa. Brick,

2 stories, 50x72 feet, slag roof, pine floors, pipeless heaters, gas lighting, flush bulks. Owners are taking sub-bids.

**Residence (alts.)**, Shamokin Dam, Pa. Architect, William H. Lee, 32 South Seventeenth street, Philadelphia. Owner, C. S. Whipple, Shamokin, Pa. Interior alterations. Plans in progress. Too early for details.

**Garage (add.)**, Shamokin, Pa. Architect, William H. Lee, 32 South Seventeenth street, Philadelphia. Owner, A. H. Kirchner, Shamokin, Pa. Brick and steel, 1 story, 50x90 feet, slag roof, cement floors, stone foundations, steam heating, electric lighting, rolled steel skylights, iron work. Architect taking bids. Reitz Bros., East End Lumber Co. and Shamokin Lumber Co., all of Shamokin, Pa., are figuring.

**Church**, Torresdale avenue and Howell street, Wissinoming, Pa. Architect, Samuel D. Milner, 1118 Foulkrod street, Frankford. Owner, Wissinoming Presbyterian Church, care of Rev. William A. Cook, Wissinoming, Pa. Stone, 1 story, 50x90 feet, slate roof, steam heating, electric lighting. Architect selected. Too early for details.

**Bungalow**, Glenside, Pa. Architect, J. Fletcher Street, 129 South Fifth street, Philadelphia. Owner, John Mansfield, Norristown, Pa. Frame, 1½ stories, 52x35 feet, shingle roof, hardwood floors, stone foundations, hot air heating, electric lighting, tile work. Architect taking bids due November 21st. Henry Specht, Willow Grove, Pa.; Harry Murphy, Willow Grove, Pa.; E. Allen Reeves, Abington, Pa., and Delaware County Const. Co., Lansdowne, Pa., are figuring.

**Residence, Garage and Greenhouse**, St. Davids, Pa., \$50,000. Architects, De Armond, Ashmead & Bickley, Franklin Trust Building. Owner, Robert W. A. Wood, 212 Chestnut street, Philadelphia. Hollow tile and brick and stone, 2 stories, 70x47½ feet, 1 story,

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**Hotel (alt. and add.),** Lebanon, Pa., \$15,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, John Bohman, Keystone Hotel, Lebanon, Pa. General interior work, marble and plate glass front, tile and marble work, kitchen equipment. Plans in progress. Architect will take sub-bids.

**Residence,** Stoney Creek Mills, Pa. Architect, Calvin Young, 520 Washington street, Reading, Pa. Owner, Ervin Sweltzer, Penn Side, Reading, Pa. Stucco, 2 stories, 28x35 feet, shingle roof, pine floors, hot air heating, electric lighting. Plans completed. Owner will take sub-bids.

**Hotel and Garage (alt.),** Sixth and Cherry streets, Reading, Pa. Architect, G. L. Gerhard, 619 Penn street, Reading, Pa. Owner, American Auto Club, care of William Haslam, City Hall, Reading, Pa. Brick, plate glass, composition roof, hardwood floors. Architect taking sub-bids.

**Dye House,** Moss street, Reading, Pa. Architect, G. L. Gerhard, 619 Penn street, Reading, Pa. Owner, F. Y. Kitzmiller, 426 Penn street, Reading, Pa. Brick, 1 story, 40x94 feet, concrete foundations, composition roof, concrete floors, electric lighting. Architect taking sub-bids.

**Hotel (alt.) to Bank,** Eighth and Ninth streets, Reading, Pa. Architect, A. F. Smith, 1029 Penn street, Reading, Pa. Owner, Penn Trust Co., care of architect. Terra cotta trimming, irregular size, electric light, tile and marble work, rolled steel sash, bank fixtures, metal bulks, metal window guards. Architect taking sub-bids.

**Garage,** Wood and Cherry streets, Reading, Pa. Architect, Calvin Young, 520 Washington street, Reading, Pa. Owner, W. I. Hoch, Eleventh and Penn streets, Reading, Pa. Steel and mill construction, slag roof, 2 stories, 40x140 feet, wood and concrete floors, steam heating, electric lighting, fire doors, elevators, gasoline storage system. Owner is building.

**Lodge Building and Post Office,** Slatington, Pa., \$45,000. Architect, E. Z. Scholl, 136 Robinson street, Reading, Pa. Owners, Knights of Friendship, care of J. L. Evans, chairman, Building Committee, on premises. Brick, 3 stories, 80x100 feet, stone foundations, slate roof, wood floors, electric lighting. Plans in progress.

**Residence,** Palmyra, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, D. Y. Landis, Palmyra, Pa. Brick, 2½ stories, 39 feet 5 inches x40 feet, concrete foundations, slate roof, hardwood floors, vapor heat, electric light, tile work. Plans in progress.

**Home,** Akron, Pa., \$50,000. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Maple Farm Home, H. R. Fraizer, Akron, Pa. Hollow tile, 2½ stories, 2 wings, 34x84 feet, slate roof, pine floors, vapor heat, electric light, laundry and kitchen equipment, sleeping porches. Plans in progress.

**Hall Building (alt. and add.),** Port Carbon, Pa. Architect, E. Z. Scholl, 136 Robinson street, Reading, Pa. Owner, Independent Order of Odd Fellows, care of Charles Schneider, on premises. Brick, 3 stories, 35x50 feet. Plans in progress.

**Apartment and Garage,** South Fifth street, Reading, Pa. Architect, Calvin Young, 520 Washington street, Reading, Pa. Owner,

Berks Auto Ignition Co., Cherry street, near Fifth street, Reading, Pa. Reinforced concrete, 3 stories, 40x230 feet, stone foundations, slag roof, concrete floors, hot water heat, electric light, tile work, hollow metal sash and skylights, fire escapes, elevators, roof ventilators, metal ceilings, waterproofing, dampproofing. Plans in progress.

**Apartment and Garages (12),** Reading, Pa. Architect, Calvin Young, 520 Washington avenue, Reading, Pa. Owner, Mr. Freihauer, care of architect. Brick, reinforced steel and concrete, 2 stories, 150x40 feet, concrete foundations, slag roof, hardwood and concrete floors, hot water heat, electric light, tile work, steel fire escapes, gasoline storage system. Plans in progress.

**Residence,** Sewickley, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, F. C. Ewert, Sewickley, Pa. Hollow tile and stucco, 2½ stories, 74x30 feet, tile roof, oak floors, pine floors, stone foundations, vapor heating, electric light, tile work. Architect taking bids. C. L. Swearingen, Sewickley, Pa., is figuring.

**Bank Building,** Lansdowne, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Lansdowne National Bank, Lansdowne, Pa. Stone, steel and brick, 2 stories. Architects taking bids due November 24th. J. Howard Roberts, Lansdowne, Pa.; Lansdowne Const. Co., Lansdowne, Pa.; Pomeroy Const. Co., 1609 Ranstead street; J. Sims Wilson Co., 1125 Brown street, and F. A. Havens Co., 845 North Nineteenth street, are figuring.

**Garage,** Eleventh and Johnston Road, Harrisburg, Pa. Architect, G. H. Grove, 213 Walnut street, Harrisburg, Pa. Brick, 2 stories, 82x51 feet, stone foundations, slag roof, cement floors, electric lighting, plate glass, gasoline storage system. Plans in progress.

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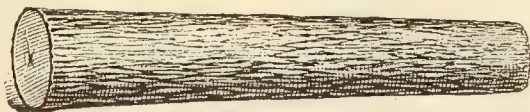
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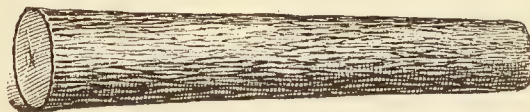
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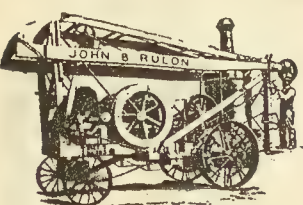
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**Bungalow**, Harrisburg, Pa., \$45,000. Architect, G. H. Grove, 213 Walnut street, Harrisburg, Pa. Owner, C. H. Lindsey, 309 Boas street, Harrisburg, Pa. Frame, 1½ stories, 27x29 feet, asbestos roof, hardwood floors, pipeless heating, electric lighting. Plans in progress.

**Apartment**, Green and Pepper streets, Harrisburg, Pa. Architect, F. G. Fahnestock, Patriot Building, Harrisburg, Pa. Owner's name withheld. Brick, 2 and 3 stories, 20x100 feet, stone foundations, slag roof, hardwood floors, steam heating, electric lighting, tile work. Plans in progress.

**Garage**, Harrisburg, Pa. Architects, I. Kat & Kelker, Commonwealth Building, Harrisburg, Pa. Owners, Williams Auto Co., 231 North Second street, Harrisburg, Pa. Brick, 2 stories, 100x100 feet, concrete foundations, composition roof, concrete floors, steam heating, electric lighting, hollow metal sash. Plans nearly completed. Architect will take bids in one week.

**Garage**, Market street, Harrisburg, Pa. Architects, Markley & Starr, Spooner Building, Harrisburg, Pa. Owners, Appler & Meyers, Lemoyne, Pa. Brick, 1 story, 50x113 feet, concrete foundations, slag roof, concrete floors, steam heating, electric lighting, hollow metal sash, reinforced concrete, gasoline storage system. Plans completed. Architects taking bids, due as soon as possible. C. W. Sayer, and William Busbey, Lemoyne, Pa., are figuring.

**Restaurant (alts. and add.)**, 307 Market street, Harrisburg, Pa. Architect, G. H. Grove, 213 Walnut street, Harrisburg, Pa. Owner, N. Colovivas, 307 Market street, Harrisburg, Pa. Brick, 3 stories, 24x40 feet, tin roof, yellow pine floors, marble work, general interior work. Owner taking sub-bids.

**Bungalow**, Drexel Hill, Pa. Architect, private plans. Owner, Paul Belki, 1236 North Fifty-second street, Philadelphia. Plaster, 1½ stories, 25x48 feet, slate roof, oak and yellow pine floors, stone foundations, hot water heat, electric lighting, tile work. Owner taking bids, due November 21st. Bowden Const. Co., 1713 Sansom street, is figuring.

**Manufacturing Buildings**, Essington, Pa., \$40,000,000. Architect, private plans. Owners, Westinghouse Electric and Machine Co., care of Mr. Tyson, engineer, Essington, Pa. Brick, steel and reinforced concrete, various sizes, steam heat, electric lighting, tile and marble work, hollow tile, metal lath. Plans in progress. Owners taking sub-bids.

**Twin Residence**, Conshohocken, Pa. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, C. A. Desimone, Conshohocken, Pa. Brick, 2\* stories, crushed slate roof, hardwood floors, stone foundations, hot water heating, electric lighting. Owner is subletting.

**Club House**, Chester, Pa. Architect, Clarence W. Brazer, Crozer Building, Chester, Pa. Owners, Americus Club, A Corps, Chester, Pa. Brick, terra cotta and steel, 3 stories, 60x61 feet, tile roof, maple floors, metal lath, stone foundations, steam heat, electric lighting, tile and marble work, fire doors, iron work. Architect taking bids, due December 1st. Chester Const. Co., Otis Building, Philadelphia, is figuring.

**Store Rooms (3)**, Eleventh and Market sts., Harrisburg, Pa. Architect, G. H. Grove, 213 Walnut street, Harrisburg, Pa. Owner, Mr. L. Cahoe, care of Mr. J. Hare, 1126 Jhntown Road, Harrisburg, Pa. Brick, 3 stories, 77x38 feet, stone foundations, slag roof, maple floors, pipeless heating, electric lighting, plate glass, store fixtures. Owner building on commission basis.

## PENNSYLVANIA

## Contracts Awarded

**Memorial Building**, Pottstown, Pa., \$140,000. Architects, Hewitt & Ash, 520 Walnut street, Philadelphia. Owners, Hill School Alumni Association, Pottstown, Pa. Stone, 2 stories, 60x135 feet, slate and shingle roof, oak floors, steam heating, electric lighting, stone foundations. Contract awarded to William E. Hale, 1636 Ludlow street, Philadelphia.

**Residence**, Penfield, Pa. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, Lawrence Dougherty, 4832 Walnut street, Philadelphia. Frame, 2½ stories, 26x40 feet, shingle roof, pine floors, concrete foundation (hot water heat, electric lighting and plumbing reserved). Contract awarded to W. O. Springer, 1624 Latimer street, Philadelphia.

**Buttresses (3)**, Bristol, Pa. Architects, Balinger & Perrott, Seventeenth and Arch streets, Philadelphia. Owner, D. Landreth Seed Co., Bristol, Pa. Stone, plastered. Contract awarded to Edward Atkins, 249 South Twenty-fourth street, Philadelphia.

**Residence (alts.)**, Chestnut Hill, Pa. Architects, Willing & Sim, 1637 Sansom street, Philadelphia. Owner, Emily Barclay, Chestnut Hill, Pa. Frame and stucco, 2½ stories, iron work, painting, carpentry, mill work,

metal work, electric work, plumbing, plastering. Contract awarded to E. Allen Reeves, Abington, Pa.

**Residence**, Cynwyd, Pa. Architects, D. K. Boyd, V. D. Abel and F. Gugert, Otis Building, Philadelphia. Owner, Mrs. Margaret Fisher, care of architects. Frame, 2½ stories, 23x35 feet, shingle roof, hardwood floors, hot water heating, electric lighting, tile work. Contract awarded to E. J. Hedden, Finance Building, Philadelphia.

**Factory**, Second and Coral streets, Lancaster, Pa. Architect, H. Y. Shaub, Imperial Building, Lancaster, Pa. Owner, Benner Mfg. Co., care of D. W. Lynch, on premises. Brick, stone, 3 stories, 52x100 feet, stone foundations, slag roof, concrete and wood floors, steam heat extension, electric light, hollow metal sash, fire doors, fire escapes, elevators. Contract awarded to Walter Zork, Lancaster, Pa.

**Factory**, Eleventh street, Harrisburg, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Morehead Knitting Co., care of architect. Brick, 1 story, 50x104 feet, slag roof, pine floors, electric lighting, hollow metal sash. Contract awarded to G. L. Titzel, 130 Cameron street, Harrisburg, Pa.

**Store and Apartment (alt. and add.)**, 9

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North Fourth street, Harrisburg. Architect, F. G. Fahnestock, Patriot Building, Harrisburg, Pa. Owner, P. Magard, on premises. Brick, 1 story, 22x120 feet, slag roof, yellow pine floors, steam heating, electric lighting, plate glass, general interior alterations. Contract awarded to W. E. Bushey, Lemoyne, Pa.

**Residence**, Overbrook, Pa. Architects, McIlvain & Roberts, Otis Building, Philadelphia. Owner, John McMullen, Overbrook, Pa. Hollow tile and stucco, 2½ stories, 23x77 feet, stone foundations, slate roof, oak and pine floors, metal lath, dampproofing, iron work, electric lighting, tile work (heating reserved). Contract awarded to E. J. Hedden, Finance Building, Philadelphia.

**Residence**, Bryn Mawr, Pa., \$25,000. Architect, private plans. Owner, E. Ward Sharwood, Bryn Mawr, Pa. Stone and stucco, 2½ stories, 25x56 feet, shingle roof, oak floors, hot water heating, electric lighting, tile work. Contract awarded to E. J. Hedden, Finance Building, Philadelphia.

**Residence**, Graystone road, Overbrook, Pa., \$24,000. Architects, McIlvain & Roberts, Otis Building, Philadelphia. Owner, John McMullen, Overbrook, Pa. Stone and stucco, 2½ stories, 55x46 feet, shingle roof, oak floors, vapor heating, electric lighting, tile work. Contract awarded to E. J. Hedden, Finance Building, Philadelphia.

## NEW JERSEY Construction News

**Town Hall and Fire House**, Main street, Pennsgrove, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Borough of Pennsgrove, care of Arthur Smith, Pennsgrove, N. J. Stone and stucco or brick, 2 stories and basement, 36x95 feet, Spanish tile or slate roof, slab concrete floors (heating, lighting and plumbing reserved). Owners taking bids, due November 28th. E. J. Kreitzburg, 1345 Arch street, Philadelphia, is figuring.

**Lyceum Building (alts. and add.)**, Bridgeton, N. J. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, Immaculate Conception Roman Catholic Church, care of Rev. Francis X. Langan, Bridgeton, N. J. General alterations and additions to Lyceum Building. Plans in progress.

**Office Building**, Camden, N. J. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owner, Taylor White Extracting Co., Camden, N. J. Brick, terra cotta and steel, 3 stories, 28x42 feet, slag roof, floor-tile floors, vapor heat, electric light, stone foundations. Revised plans in progress. Architect will take new bids in about ten days.

**Residence**, Wenonah, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, W. C. Veitch, Collingswood, N. J. Frame and rough cast, 2½ stories, 35x45 feet, shingle roof, electric lighting. Architect taking bids. Joseph B. Best, Woodbury, N. J.; Claude Greene, Woodbury, N. J., and Neilson & Carlston, Wenonah, N. J., are figuring.

**Hotel (alts.)**, Atlantic City, N. J., \$70,000. Architects, Rankin, Kellogg & Crane, 1012 Walnut street, Philadelphia. Owner, Hotel Chalfonte, Atlantic City, N. J. New bath rooms and plumbing and general interior alterations, tile and marble work. Architects are sub-letting.

**Machine Shop**, Haddon avenue, Camden, N. J. Architect, E. F. & F. K. Bartling, Oaklyn, N. J. Owners, Kruse & Slaterry, Camden, N. J. Brick, 2 stories, 50x100 feet, slag roof, hollow tile, stone foundations (heating, electric lighting and plumbing reserved). Owners have received bids.

**Factory (add.)**, New Brunswick, N. J. Architect, William Klemann, First National Bank Building, Trenton, N. J. Owner, Trenton Porcelain Co., Trenton, N. J. Hollow

tile, 1 story, 100x100 feet, slag roof, cement floors, steam heating, electric lighting, hollow metal ssah. Plans in progress.

**Garage**, Perry street, Trenton, N. J. Architect, William Klemann, First National Bank Building, Trenton, N. J. Owner, Isadore Berkelhammer, North Clinton avenue, Trenton, N. J. Brick, reinforced concrete, 2 stories, 50x100 feet, slag roof, cement floors, steam heating, electric lighting, rolled steel sash, elevators, roof ventilators, gasoline storage system. Plans in progress.

**School (add.)**, Hamilton Township, N. J. Architect, William Klemann, First National Bank Building, Trenton, N. J. Owner, Hamilton Square Township School Board, care of William A. Robinson, Hamilton Square, Mercer County, N. J. Brick, 2 stories, 40x100 feet, stone foundations, slag roof, concrete and wood floors, steam heating, electric lighting, hollow metal skylights, roof ventilators. Bids will be received by owners December 3rd.

**Store Building (alts.)**, Illinois avenue and Boardwalk, Atlantic City. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owners, Schulte Cigar Co., 386 Broadway, New York City. Plans in progress. Too early for details.

**Town Hall and Fire House**, Main street, Pennsgrove, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owner, Borough of Pennsgrove, care of Arthur Smith, Pennsgrove, N. J. Brick and reinforced concrete, fireproof, 2 stories, 36x95 feet, Spanish tile roof, tile and marble work, cement and composition floors, hollow tile, metal lath, dampproofing, ornamental iron work (heating, plumbing, electric work and hardware reserved). Owners taking bids due November 28th. E. J. Kreitzburg, 1345 Arch street, Philadelphia, is figuring.

**Residences (5)**, Atlantic City, N. J. Architect, Edwin L. Rothschild, 1011 Chestnut street, Philadelphia. Owner, name withheld. Stone, 2 stories, 25x35 feet, shingle and asbestos shingle roof, hot water heat, electric lighting, hardwood floors. Architect will be ready for bids in ten days.

**Factory**, Beverly, N. J., \$175,000. Engineers, private plans. Owners, Wall Rope Works, Beverly, N. J. Reinforced concrete and steel, 4 stories, 60x175 feet, slag roof, steam heating, electric lighting, rolled steel sash, hollow metal skylights, fire doors, elevators. Contract awarded to Turner Const. Co., 1713 Sansom street, Philadelphia.

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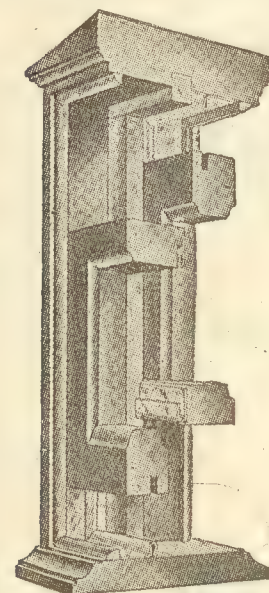
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**Delaware  
Construction News**

**Moving Picture Theatre**, Union street, between Third and Fourth, Wilmington, Del. Architects, W. E. Hance, 1619 Chestnut street, Philadelphia. Owners, West End Amusement Co., Wilmington, Del. Brick and terra cotta, 1 story, 40x150 feet, slag roof, stone foundations, steam heat, electric lighting, steel and sheet metal work. Architect taking sub-bids.

**Dye House and Service Garage**, Market and Brandywine streets, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. Brick, concrete and steel, 3 stories, 48x175 feet, concrete foundations, slag roof, concrete floors, high pressure steam heating, electric lighting, hollow metal sash, fire doors, roof ventilators, gasoline storage system. Plans in progress.

**Residence (alt. and add.) and Garage**, Eleventh and Broome streets, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. Stone, 2 stories, 24x30 feet, irregular size, shingle roof, pine and concrete floors, heating extension, electric lighting, interior and exterior alterations. Plans in progress.

**Service Station**, Penn and Union streets, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. Hollow tile, terra cotta and concrete, 2½ stories, 32x32 feet, slate roof, concrete floors, hot water heating, electric lighting. Plans completed. Architect will take bids this week.

**Residences (15) (alts.)**, Ivy Road, Wilmington, \$4950. Architect, private plans. Owner, Joseph Bancroft & Son, Rockford, Wilmington, Del. Brick, interior alterations, new baths. Owner will build.

**Residence**, 2801 Franklin street, Wilmington, Del., \$7,000. Architect, private plans. Owner, C. H. Brice, 1306 West street, Wilmington, Del. Stone, 1½ stories, 32x40 feet, stone foundations, asbestos roof, hardwood floors, pipeless heating, electric lighting, tile work. Owner will build.

**Delaware  
Contracts Awarded**

**Stores (2) and Office**, Eleventh and Orange streets, Wilmington, Del., \$20,000. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. Brick, 2 stories 40x45 feet, stone foundations, tin roof, concrete floors, hot air heating, electric lighting, tile and marble work, plate glass. Low bidder, William D. Haddock & Co., 804 Orange street, Wilmington.

**Garages (23)**, Tenth and McDowell streets, Wilmington, Del., \$7,500. Architect, private plans. Owner, Fred Snyder, 1615 West Eighth street, Wilmington, Del. Brick, 1 story, 10x19 feet, stone foundations, slag roof, cement floors, electric lighting. Contract awarded to C. H. Brice, 1306 West street, Wilmington.

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## Proposals

## INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Nov. 3, 1919. Sealed Proposals will be opened in this office at 3 P. M., Dec. 18, 1919, for furnishing the labor required in the construction complete, with materials that will be furnished by the Government, of the United States Post Office Building at Thomasville, N. C. Drawings and specifications may be obtained after Nov. 20, 1919, from the Custodian of the site at Thomasville, N. C., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Nov. 3, 1919. Sealed Proposals will be opened in this office at 3 P. M., Dec. 18, 1919, for furnishing materials for the construction of the United States Post Office at Thomasville, N. C., including materials for concrete, reinforced concrete, stone, granite, brick, structural terra cotta, structural steel, miscellaneous iron and steel work, composition roofing, slate roofing, sheet metal work, skylights, plastering, interior marble, sanitary slate, lumber, mill work, painting, glazing, hardware, plumbing, heating, electric work, etc., in accordance with drawings, specifications and bills of quantities attached thereto, copies of which may be obtained after Nov. 20, 1919, from the Custodian of the site at Thomasville, N. C., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Nov. 4, 1919. Sealed proposals will be received at this office until 3 P. M., Nov. 28, 1919, and then opened for extension of mailing vestibule at the U. S. Post Office, Hagerstown, Md., in accordance with the specifications and drawings No. 65, copies of which may be had at this office or at the office of the Custodian, in the discretion of the Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., November 12, 1919. Sealed Proposals will be opened in this office at 3 P. M., Dec. 10, 1919, for extension of the United States Post Office and Court House building at Harrisonburg, Va. Drawings and specifications may be obtained from the Custodian of the building at Harrisonburg, Va., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Nov. 14, 1919. Sealed Proposals will be received at this office until 3 P. M., Dec. 12, 1919, and then opened, for extension of mailing vestibule at the U. S. Post Office, Morgantown, W. Va., in accordance with the specifications and drawing No. 68A and 325, copies of which

may be had at this office or at the office of the Custodian, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

## Miscellaneous Construction News

School (alt.), Bel Air, Md. Architect, J. B. Hamme, City Bank Building, York, Pa. Owner, Harford County School Com., C. M. Wright, superintendent, Bel Air, Md. Interior work, new plumbing. Owners taking bids.

Moving Picture Theatre, Seventh avenue and Forty-second street, New York City. Architects, Hoffman-Henon, Inc., Finance Building, Philadelphia. Owners, Stanley Co. of America, 1214 Market street, Philadelphia. General alterations, electric work. Contract awarded to Pierce-Henon Co., Bulletin Building, Philadelphia.

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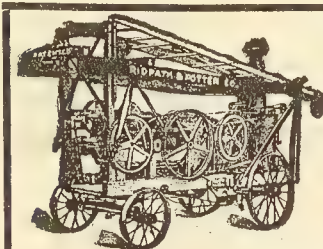
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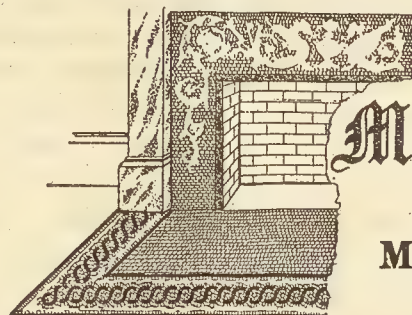
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(Continued from Page 732.)

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# POPULAR IGNORANCE OF THE ARCHITECTS' PROFESSION

By J. C. NIEMEYER, *Architect*

First of all, let us consider the meaning of "profession." The book of Webster says it is a vocation, and in order to get a clearer definition, we refer to "vocation," and find that it is a calling or trade. There are some people who will call on a physician regarding their physical well-being or a lawyer to solve their legal problems, yet when it comes to the planning and construction of a building they hesitate to consult the professional man who can solve the difficulties to be encountered and diagnose the case and prescribe the proper remedy.

A small party or a summer day picnic is scarcely encountered that has not been planned and carefully studied. Too many consider the architect as a mere representative whose principal work is to see that the contractor follows the specifications and does not cheat the owner. We feel, though, that opinions along his line are changing and that the owner is beginning to see that the experience and training of the architect is an absolute necessity for the successful construction of any building from the time of the sketches to the entering of the tenants.

There was never a set of plans so carefully drawn that points did not arise in the course of construction requiring interpretation either by their author or his representative. Also, there are many things that arise which could not be foreseen and often changes can be made to advantage. The necessity for seeking the services of an architect is simply recognized as good business by owners everywhere, even by those of the most limited foresight.

Every owner should study the specifications carefully, and the points that he does not understand should be made clear. He should realize very positively that a dollar will buy a dollar's worth of material or a dollar's worth of labor, and that he is not fairly and justly entitled to more than his money's worth. When bids show that the cost exceeds the preliminary estimate (and it is very difficult under existing conditions for an architect to make a close estimate) the owner should make up his mind definitely to one or two things—that he is going to pay more money than he anticipated or that he is going to save money by the process of elimination, either by reducing size or by cutting features from the building, and if these eliminations

are made he must make up his mind also that the building will suffer correspondingly. An owner who has an exaggerated idea of what he is going to get for his money is preferable to the one who cherishes false ideas. For their own sakes, architects should put a damper on dreams that are impossible of realization. Sometimes a tendency exists to paint facts in rosy colors in order that a job may be landed. On the other hand, the public has to become educated to the fact that the building game is not a bargain counter sale and there are but a very few bargains—it is an even exchange. Seeking bargains is the cause of greatest disappointment in the end, because the source of unscrupulous methods is very evident in the cheap constructions.

Progressive architects start with a design which contemplates a structure really worthy of themselves and the owner, but too often the hinges which the owner thinks he can get along without are lopped off one by one until all that is left is a structure plain, uninteresting, inefficient, serving the purpose neither of beauty nor utility, and he mourns over the lost ideal. Do not practice false economy.

Every house has a monetary value. As a home for its present owners it may be far removed from consideration of price, but the change of fortune might throw it on the market in a day, and it is worth while to remember this and so build it that it will be marketable at an advantageous figure if such contingency arises. The architect is the man to point out these things in the beginning. It will be too late when the crisis actually comes. Urge the clients to build well, show them the advantages of putting in all modern conveniences. Some of these things may look like luxuries today, but tomorrow every house will include them as a matter of course. Stimulate their pride to build ahead of the times. Let us consider our building as an organized creature, in coloring which we must look to the simple and separated organized things of nature. Our building if it is well composed is one thing, and is to be colored as nature would color a shell, a flower or an animal. It is absolutely essential to have a first-class set of plans and specifications to get satisfactory results. You may hear rumors that the better plans and specifications very clearly detailed and written will increase the cost of construc-

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tion. How absurd that statement! The clearer the plan and specification the less misunderstanding of the work; as a matter of fact, the plans and specifications are used merely as an interpretation of the work during the absence of the architect from that work, as it would be too costly to keep an architect on the job continually and also a tedious occupation. A good architect will tell you that he cannot put too much on a plan and specification, because in case of dispute it is down in black and white and thereby no cause for misunderstanding and substitution. There are three phases of construction that are used in present day practice, viz.:

First. The contractor that builds without plans or specifications simply following the owner's choice of duplicating some built structure. These contractors are making the most money and you can readily prove this statement by investigating the wealth and retirement after a number of years of contracting. Why shouldn't they make money? They have matters in their own hands and can apply or substitute materials, foreign to the owner, at their own discretion, as the market suggests, and in case of dispute who can arbitrate such a case? It immediately becomes a deadlock. Such cases of dispute are usually settled by legal procedure and expensive court costs. It can be said candidly of any such structure, with few exceptions, that the fees of an architect have been paid for many times over.

Second. The construction of dwellings or buildings where plans are furnished by the contractors themselves. These plans will be found quite incomplete and usually to the satisfaction of the contractor who pushes and recommends qualities and installations which net him the most. In cases of dispute or misunderstanding the plans are so vague that they are no better than none and are simply dimension guides. These methods, too, are found to be quite profitable to the contractor and an investigation will reveal their profits.

Third. The construction by the use of a competent set of plans, specifications and supervision, and by general contracting. By the constant attendance of the architect and the co-operation of the general contractor, owner and architect good results will be obtained and invariably a legitimate profit is made. This also bears investigation. If the results are not satisfactory it may be due to the delinquency of the architect.

There is still one item which should be mentioned, and that is of changes during construction. If the owner, through no fault of his own, is not gifted to perceive the finished work from the blue prints

and finds changes necessary for his satisfaction, he should not be obliged to pay a profit of from 25 to 100 per cent. because of such change, as is quite customary under general contract practice. This should be governed by unit prices and the owner should only pay a just amount for such change. The general contractor is entitled to a fair profit as to the work involved. This is eliminated to a very minimum degree under the separate contract plan, as the owner deals directly with the architect and separate contractor for such change and pays only for such work and material necessary.

Another item to observe in construction is system and bookkeeping. Should an owner ask the general contractor during construction to see his books, and his reply would be, no. Why? Is it not a fair question to ask where one's money is being spent and how? Then the question of bonds arises. A bond is a protection in a sense, but in most cases when there is resort to it, it proves verely unsatisfactory and the necessary procedure of settlement then is the court, which is costly. By doing work through the separate contract plan the owner is directly contracted to the contractor and need not pay for any materials or labor until certified by the architect and properly executed and materials paid for. He needs no bond to guarantee the payment of bills.

Another question arises, that of buying homes already built. The fact that there is a ready market at all times is very evident. When buying ready-built places do not depend too much on your judgment and consider the future of the building. Many a poorly constructed building has been covered by a good coat of paint or varnish. The two main parts of a building are the foundation and roof. Further, as it is customary for architects and contractors to use a list of estimating, such a list would be commendable in buying also; especially when unaware of the requisites of completeness. When buying do not be persuaded by talk, but by facts, and be quite sure you are getting them complete. There being statements that no salesmen are needed to sell homes bears out the fact that 100 per cent. face values need no salesmen but a skeptical purchaser has to be shown where the money has been spent and value received.

Then ask yourself, can I buy as cheap as I can build? Get competitive figures and see for yourself. In regard to stock plans there should be a law preventing such a practice, because it is very detrimental to the civic pride and a retardant to any community. It is false economy because invariably one can have a change

of exterior for the same interior without added cost in the construction. The mere fact of trying to eliminate the architect's fees is only retarding his skill and a severe obstacle to progress.—*The Architect and Engineer.*

## TRAINING IN ARCHITECTURE

To practice the profession of architecture involves practice in one or more of its three separate fields—business, engineering and art.

To exist, a firm of architects must get business. Some one must have his ear to the ground to discover who is proposing the erection of a new structure. Some one must keep tab on construction reports and visit distant cities for prospective work. Architects must enter numerous contracts, make and supervise numerous specifications, prepare estimates of cost, inspect work during construction and reject defective work, pay and receive various sums of money and keep exact records. Evidently business ability is an essential element in the firm's maintenance of existence.

If a building fails in strength or develops defects the architect is blamed. If buildings are too heavy the architect is reducing business, as owners will not build if they cannot receive a fair return on the money invested. Conveniences are required in the way of lighting, ventilating, heating and proofing against fire, the transmission of sound and vibration that require the designer to have a knowledge of chemistry, heat, light, sound, electricity, strength of materials and sound building construction. These are engineering subjects when applied to important structures.

Writing on the subject in *Building Review*, Mr. W. H. P. Creighton, Dean of the College of Technology, Tulare University, says:

"A really successful structure is one pleasing to the eye when viewed from the exterior or interior. While it is true that what pleases one person may not please another, artistic success must mean pleasing those most competent to judge. The artistic setting, proportions and appearance of buildings is the province of the artistic member of the firm. Simply because a young man has failed in a number of lines of endeavor does not mean, however, that he has an artistic temperament and will make a successful architect.

"An architectural firm must do enough business to support all the members of the firm. Ideally it should contain a business man, an engineer and an artist. Where there is only enough business for



two, the firm is composed of an outside and an inside man. Where the firm has only one member, he must be the outside man and engineer, since the securing of new business and close supervision of work during construction are essential elements to the existence of the firm. He will at the same time supervise the artistic designs. The inside work is then carried on by employees whose work is supervised from time to time. In emergencies, caused by sickness or shortage, the boss must also do this work.

"The above details are given to indicate the vast difference between the training necessary to produce a high grade architect and that for a draftsman. It shows that the training of an architect should rest on a broad foundation that includes languages, mathematics and sciences, as well as drafting and designing."—*Architect and Engineer.*

The Building Trades Employers' Association of Philadelphia was organized last week by representatives of employers of twelve different trades engaged in building construction. About 125 men were present and forty-eight applications for membership in the new organization were signed at the meeting. Edwin L. Seabrook, secretary of the National Association of Sheet Metal Contractors, was chosen organization chairman; William M. Anderson, a master plumber, was elected treasurer, and M. G. Sellers, temporary secretary. The next meeting will be held November 25, when by-laws will be adopted and permanent officers elected.

The purpose of the organization is to strengthen the position of the subcontractors and material men in building construction with regard both to labor and the supervising contractors. Plans will be drawn up by the permanent organization for information on credit matters, protection from unfair contracts, and for more uniform conduct of business in all the branches of the building trades.

Don't crowd your space, Mr. Advertiser. Better play up one selling point at a time than to try to get everything into one ad. and kill every possible chance for display. An ad. should stand out. It should be easily read. It should draw the attention of the reader. A carload of detail can't be crowded into a few inches of space and still retain the quality of sticking out as all good advertising should.

Ideals are like stars; you will not succeed in touching them with your hands, but like the seafaring man on the desert of waters, you choose them as your guides, and, following them, you reach your destiny.—Carl Schurz.

## STATEMENT CONCERNING THE ORGANIZATION AND PURPOSES OF THE CONFERENCE ON COMPREHENSIVE CITY PLANNING AT PHILADELPHIA, PA., NOV. 10, 1919

At the invitation of the Engineers' Club of Philadelphia under the date of September 17, 1919, delegates from some 35 civic agencies and city departments met at the Engineers' Club on October 10, 1919, to consider the provisions of Article II, Sections 9 and 10 of the new city charter wherein it is optional with the new administration to create commissions in city planning and zoning. Following a discussion of the urgent necessity for such a commission, a resolution was adopted in which the assembled organizations urged the creation of these commissions and pledged support to the city administration in securing the prompt and efficient functioning of these commissions by encouraging and stimulating interest on the part of the public in civic developments.

It was decided to hold a public meeting at Witherspoon Hall on November 18, 1919, to create a permanent federation of those organizations represented and other allied organizations to constitute a body at all times ready to co-operate with and support the proposed commissions, or any other agencies existing for the betterment of the city of Philadelphia.

The following organizations accepted the invitation to send delegates to the initial conference:

Art Jury  
Automobile Club of Philadelphia  
Board of Education  
Board of Trade  
Building Trades Council  
Bureau of Municipal Research  
Chamber of Commerce  
City Club  
City Parks Association  
Civic Club  
Department of City Transit  
Department of Public Health and Charities  
Bureau of Building Inspection  
Bureau of Surveys  
Department of Wharves, Docks and Ferries  
Engineers' Club of Philadelphia and Affiliated Societies  
Fairmount Park Art Association  
Maritime Exchange  
Master Builders' Exchange  
Octavia Hill Association  
Philadelphia Chapter American Institute of Architects  
Philadelphia Real Estate Board

Philadelphia Housing Association  
Philadelphia Fire Underwriters Association  
Philadelphia Operative Builders Association  
Playground Association  
T-Square Club  
Whittier Center  
Zoning Commission

At the initial meeting, Mr. J. A. Steinmetz, President of the Philadelphia Engineers' Club, was elected temporary chairman with power to appoint working committees. The personnel of the committee is as follows:

### *Executive Committee*

D. KNICKERBACKER BOYD, Chairman, Philadelphia Chapter, American Institute Architects  
D. H. Kenney, Acting Secretary, Engineers' Club  
Andrew Wright Crawford, Secretary, Art Jury and City Parks Association  
James W. Follin, Bureau of Municipal Research  
Powell Evans, Chamber of Commerce  
Leslie W. Miller, Fairmount Park Art Association  
J. I. Bright, Philadelphia Chapter American Institute of Architects  
J. N. McGarvey, Philadelphia Operative Builders Association  
E. S. McKaig, Zoning Commission  
W. J. Wilson, Building Trades Council A. F. of L.  
A. S. Faught, Civil Service Reform Association

### *Committee on City Planning*

J. I. Bright, Chairman, Philadelphia Chapter American Institute Architects  
Albert Kelsey, T-Square Club  
M. B. Medary, Philadelphia Housing Association  
Andrew Wright Crawford, Art Jury and City Parks Association  
J. H. Rankin, Philadelphia Chapter American Institute of Architects  
W. P. Parker, Engineers' Club  
A. M. Collins, President, Main Line Citizens' Association  
E. E. Hogle, Automobile Club of Philadelphia  
Daniel Crawford, Jr., President, Philadelphia Operative Builders' Association  
*Sub-Committee on Zoning of the City Planning Committee*  
E. S. McKaig, Sub-Chairman, Zoning Commission  
Richard H. Morris, Philadelphia



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W. H. Wilson, Philadelphia Real Estate Board

E. V. Seeler, Zoning Commission

I. Ihlder, Philadelphia Housing Association

G. Dundaker, Chamber of Commerce

J. M. Mallory, Fire Prevention Expert

Emile G. Parrot, City Club

These committees have held meetings on October 17th, 22nd and November 4th, at which the functioning of the proposed city planning and zoning commissions had been discussed, plans formulated for a permanent organization and a program arranged for the public meeting at Witherspoon Hall on Nov. 18. The principal speaker at the meeting was Edward M. Bassett, counsel for the Zoning Commission of New York City. This is par-

ticularly interesting in view of the proposed zoning ordinance now before councils. There were also short addresses from about ten local persons on the various phases of city planning and zoning.

A sub-committee on legislation comprising A. S. Nugent, E. S. McKaig and James W. Follin have drawn up a general statement containing suggestions to direct the drafting of legislation to create city planning and zoning commissions, and to co-ordinate our recommendations with those made by the existing zoning commission in the ordinance now before councils. In that ordinance it is proposed to administer the zoning regulations by a new division of zoning to be created in the Bureau of Surveys, while appeals for such administering would be carried to a new zoning commission to be created under Article II Section 9 of the new charter previously referred to.

D. KNICKERBACKER BOYD,  
Chairman Executive Committee.

shingles was \$8.00 per square and on the red cedar shingle \$10.00 per thousand. If he had explained at the time that his selling price of the shingles at \$10.00 per thousand was identically the same cost to the consumer of \$8.00 per square, he no doubt would have sold the shingles without further argument. The asphalt shingles cost this dealer \$7.00 per square, leaving him a profit of \$1.00 per square. The clear red cedar shingle cost him \$7.95 per thousand, leaving him a profit of \$2.05 per thousand, or \$1.64 per square. He would not only have made considerable increased profit, but his customer would have covered his large barn, requiring eighty thousand shingles, at some less cost, for the reason that the shingles would only require about two-thirds the amount of sheathing as would be required under the substitute shingle.

"Other dealers should make such an analysis of their cost, profit to them, and the service they render their customer."  
—*Lumber Trade Journal*.

## HIGH PRICES AND SUBSTITUTES

By C. A. MAUK, of Toledo, an authority on shingles

"In comparing prices of any given article with cost of substitutes, it is only too frequent that the real merit of the two articles is not compared at the same time. It has generally been conceded by all lumbermen that the price of red cedar shingles for years past has been too low as compared with the prices of other forest products, and it is a well-known fact that the manufacturer of red cedar shingles has lived from hand to mouth, barely existing, and has not made any money. This condition resulted from the industry being largely composed of small manufacturers located in isolated districts and with little or no selling organization, and, in consequence, the prices they received for their product fluctuated frequently and seriously, according to the demand.

"The low prices at which shingles have sold from time to time should not be a reflection on the real merit or value of shingles. Now, then, let us compare the market price of red cedar shingles with the principal and popular substitute—*asphalt shingles*, as of two or three years ago and as of today. The low price on asphalt shingles sold to the dealer was about \$5.00 per square. Present-day price on asphalt shingles is \$7.00 per square. The low price on 16-inch clear red cedar shingles was approximately \$4.50 per thousand. Present-day price on the same grade of shingles is approximately \$8.00 per thousand—an increase of 40 per cent.

in the cost of the substitute and an increase of 75 per cent. in the cost of shingles. These figures evidence the fact that under the old prices the substitute shingles were either too high or the red cedar shingles too low in cost. Most of the dealers will agree that the latter was the case, considering the real merit and value to the consumer of the article. The seller of asphalt shingles is generally authorized by the manufacturer to guarantee the life of them for ten years. A good grade of clear red cedar shingles can safely be guaranteed for forty years, or about four times as long, providing they are put on with the proper nail that will not corrode. Surely, some credit in the original cost should be given to an article on which positive assurance is given of much longer durability.

"When shingles are quoted by the dealer to the consumer on the per thousand basis and the substitute quoted per square, the consumer frequently does not know or realize the difference, and it is only natural that the consumer assumes that the price is relative and that one thousand shingles only equal one square, and, as a matter of fact, eight hundred clear shingles cover one square.

"Quite recently one of the dealers in Ohio was placing an order for barn material and stated that one large barn was to be covered with asphalt shingles on account of the increased cost of red cedar shingles. His selling price on the asphalt

All live men are advertisers, and the only man who should not advertise is the man who has nothing to offer to the world in the way of human service, and such a man is a dead one, whether he knows it or not. Advertising is a legitimate and ethical proposition. Life is too short for you to hide yourself away, mantled in your modesty, and let the world hunt you out. Even the dead are advertisers, for on visiting a beautiful cemetery the other day, I noticed that on nearly every marble slab was given a list of the virtues, talents and beautiful qualities which the dead man was supposed to have carried in stock. This is what you call non-productive advertising, or advertising from an emotional standpoint.—*Elbert Hubbard*.

Repetition tends to create habit, the more often we see, do or hear a thing, the quicker we are likely to be influenced by it. The consecutive appeal of a number of advertisements will develop certain memories and associations tending to overcome the natural habit of procrastination.—*Making advertising pay*.

The impractical dreamers are not the architects, but the clients themselves, as a rule.

You owe it to yourself to keep in touch with what is going on in the trade, and you can do this only by becoming a subscriber to and regular reader of your trade paper. If you are not a regular reader of the *Builder's Guide* you should be. The cost is not excessive. A five-spot insures it fifty-two times in the course of a year.

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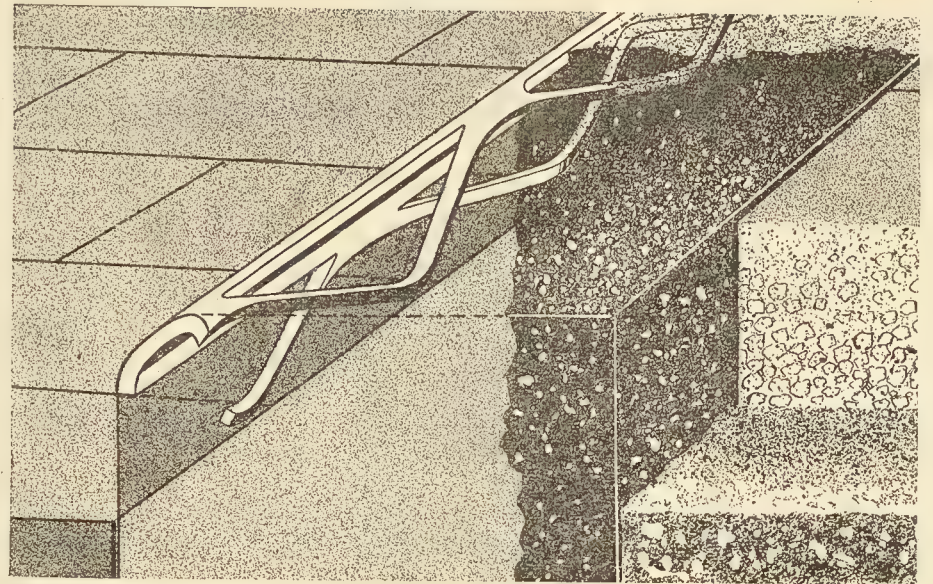
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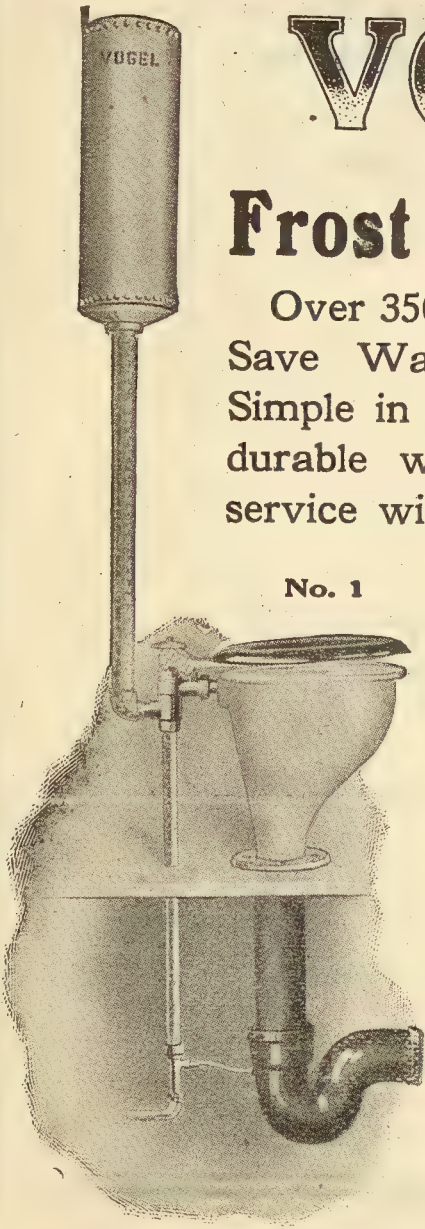
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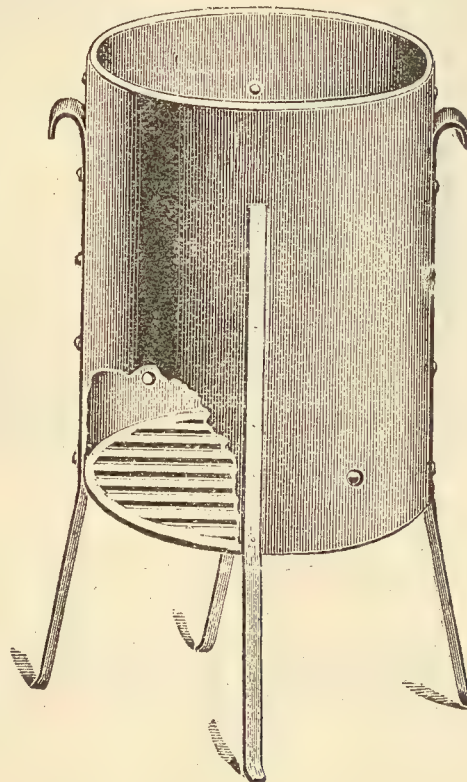
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Rulon, John B. ....1355 Colwyn St., Phila.

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Fleck Bros. Co. ....44 N. 5th St., Phila.  
Keystone Supply & Mfg. Co....927 N. 9th St., Phila.  
Richardson & Boynton Co.....1332 Arch St., Phila.

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Stokes, Packard, Haughton & Smith,  
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McCalla Co., The Harold.....531 N. 4th St., Phila.  
Montgomery Iron & Steel Co..1832 N. 9th St., Phila.  
Morris Wheeler & Co....30th and Locust Sts., Phila.

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McCalla Co., The Harold.....531 N. 4th St., Phila.  
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Pardee, John S. E., & Co.....Heed Bldg., Phila.

## PIPE.

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## PIPE FITTINGS AND VALVES.

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Kensington Metal Co.....1612 N. 2nd St., Phila.

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## SCREENS.

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Emack Co., John D. ....Otis Bldg., Phila.

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Warren-Knight Co.....136 N. 12th St., Phila.  
Weber, F., & Co.....1125 Chestnut St., Phila.

## VACUUM CLEANERS.

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November 26, 1919

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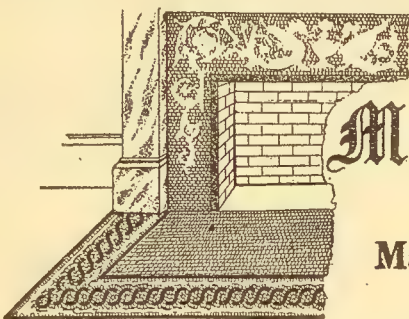
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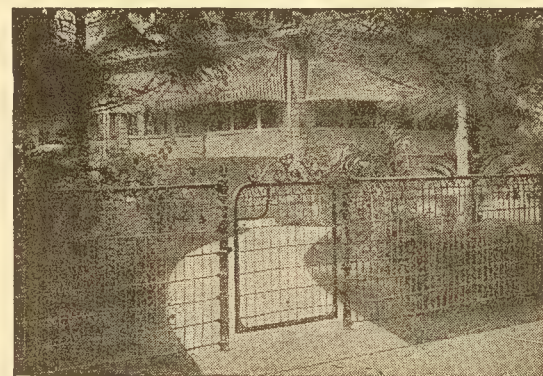
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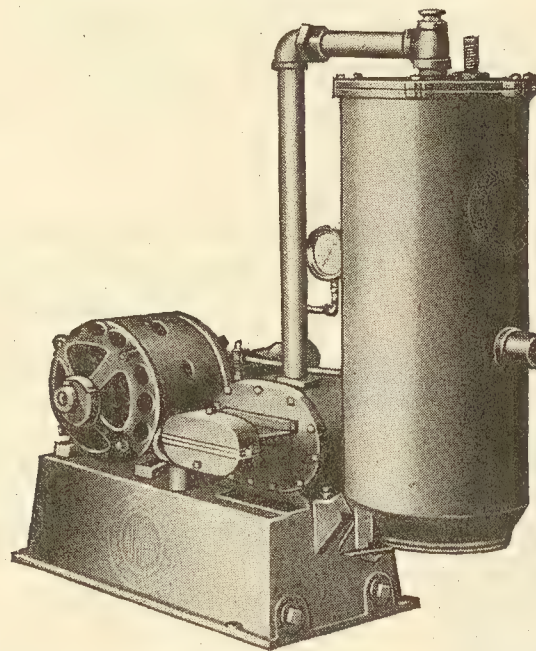
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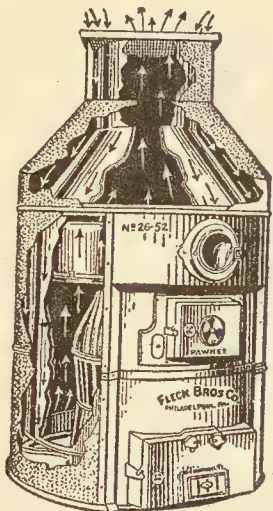


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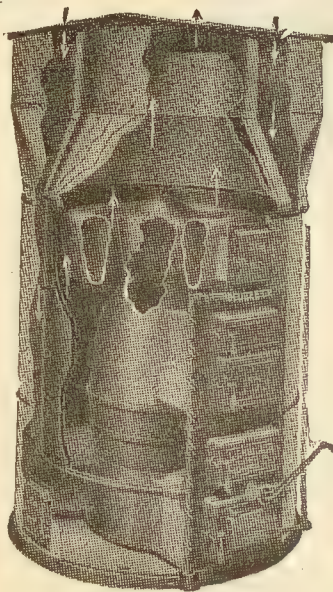
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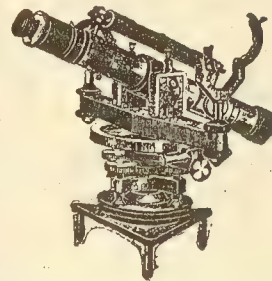
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

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## As The Editor Sees It



ACCORDING to the old adage "For every evil under the sun there is a cure or there is none; if there be one try and find it, if there be none never mind it." The greatest evil existing in this country, today is Bolshevism, and we believe there are remedies for this insidious disease. These remedies lie in the education of foreign labor to a better understanding of the principles and ideals of Americanism, in the establishing of closer and more friendly relationship between employer and employee, in the improvement of living conditions for the working man. When these things are all accomplished the seed of Bolshevism will fall on barren soil.

We must, in fact, make our appeal to the workers of the nation and render them immune to the radical policies of the Bolsheviks—the Bolsheviks, of course, are too busy to work—if they were the workers of the country the case would not look so hopeful; but they are the shirkers, the malcontents and the only sure way to kill Bolshevism is to immunize the laboring man and thus prevent the spread of the disease.

Many large concerns have already testified to the satisfactory results in this direction obtained through employee's representation plans; in many cases these plans have been the means of averting strikes and in all instances have created

an atmosphere of contentment and fair dealing.

Better living conditions have long been recognized as a potent factor in overcoming labor unrest. According to observations made by the senate committee which investigated the steel strike, "It is observable in the strike districts that the men who own their homes are more contented and more interested in the affairs of the country. One real antidote for unrest in this country is home ownership. It is difficult to plant the seeds of revolution in the minds of those who own their own homes. The work of the steel companies in building homes has been commendable. It is to be hoped that such work will be enlarged and carried on by them. \* \* \* The question of aid and encouragement in the work of assisting townspeople of small means in securing their own homes in some such way as the farmer has been aided under the Federal farm loan act is worthy of the serious consideration of Congress."

Commenting on this report, "It is now several months," says the *American Contractor*, "since Senator Calder introduced in the U. S. Senate a bill for the establishment of a system of Federal Home Loan Banks, under which the machinery now at hand in the building and loan associations of the nation would be used to do exactly what the Senate's steel strike committee suggests is worth while.

The home question is more important

than the Senate Committee indicates by the space given it in their recommendations. Anyone who knows the conventional steel town or coal mining camp knows that the shacks which make the landscape hideous in these localities, have much to do with the unrest crop there. The only thing that gets a healthy growth in a dark, squalid home, is discontent.

Another bill now before Congress is that proposed by Congressman Tinkham, to create a Bureau of Housing and Living conditions as an activity of the Department of Labor. The aims of the bureau would be to discover and disseminate means of reducing the cost of adequate housing; to promote home-building and to assist states and municipalities, commercial, industrial and financial corporations, civic organizations and individual citizens with advice and accurate information put at their disposal by experts employed by the government.

Speakers in behalf of the bill pointed out that the experience of the United States Housing Corporation, which built homes for workers at a cost of about \$110,000,000, would be of immeasurable value to public and private concerns which are pressed by the problem of housing, and would be made available to them through the new bureau. It would be an opportunity, they said, to salvage permanently the government's enormous expenditure during the war.

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**I**N the hour of urgent need for home building any suggestions for the amelioration of living conditions is largely sought.

Somebody asked the other day what Edison was inventing. We have become so accustomed to this wizard keeping busy on problems, and solving them every so often that we cannot conceive of Edison ever taking a rest.

Edison is an institution, like Congress or the Postoffice Department; only Edison costs us nothing, and is always doing something worth while.

But Edison has been on the job, as usual, and among the other things he has evolved in the way of a house that bids fair to solve this rent hog problem.

Edison all these years has been pound-away at the concrete house problem, and though he has apparently solved it several times always something popped up to modify his victory.

This time it looks as though he had it. His latest offering is a two-story concrete house that, it is promised can be built in one day.

A good looking house; a big roomy house, a house that's warm in winter and cool in summer; that will never wear out, that needs no paint, and that can be built even now and be rented for \$23 a month.

No frame house can be built, approaching those specifications that can be rented for less than twice \$23, and unless there is some hitherto hidden drawback this Edison house should be a life saver.

And if private enterprise will not utilize it then cities should go into the house building business until this present scarcity of living places is supplied; for today all over the country families are actually suffering because they cannot secure decent abiding places at a rent they can afford.

Until the housing problem is solved it is a public menace, and the private landlord certainly has given us no hope.

\* \* \*

The building trades lead the list in the number of strikes reported by the Bureau of Labor Statistics, during the months of April, May and June, 1919, numbering 200 out of a total of 974 strikes. In this industry there were 4 lockouts out of a total of 42. Metal trades are next on the list with 176 strikes and 13 lockouts, textiles and clothing number 78 and 57 respectively with one lockout each and miners 51. Lumber and timber are credited during the same period with 13 strikes. In 536 strikes and 26 lockouts, the employees were reported as connected with unions; in 18 strikes and one lockout they were not so reported. Massachusetts and New York lead the list of strikes with

110 each, Pennsylvania had 92, Illinois 86 and Ohio 65. 723 strikes out of the 974 were west of the Mississippi. Of the cities, New York had the largest number of disturbances—37; Chicago had 28, Detroit 26 and Boston 17.

During this quarter the strike involving the largest number of persons was probably that of the clothing workers in New York. In 480 strikes for which the number of persons on strike was reported, nearly 500,000 strikers were involved, an average of over 1,000 per strike. In about three-fourths the question of wages and hours were prominent and in nearly one-fourth the question of union recognition or existence was involved. Of 367 strikes, 22 were settled in favor of the employers, 129 in favor of employees and 112 were compromised. The average duration of 210 strikes was 29 days.

In the first quarter of the year, the building trades were third in the list numerically, 62 out of a total of 584 strikes, being preceded by the metal trades and clothing. Lumber and timber were not listed for this quarter. Out of 313

strikes for which the number of persons on strike were reported, there were more than 800,000 strikers, an average of 2,587 per strike. The causes were about the same as for the second quarter and the average duration of 153 strikes was about 37 days.

During the twenty year from 1881 to 1900, the building trades had more strikes than any other one industry—19½% of the total number—but they involved a fewer number of men per strike; far fewer, for instance than were involved in railroad strikes during the same period, although these numbered only 5.6 per cent. of the total number recorded. Out of a total of 22,793 strikes reported from 1881 to 1900, 52.8 percent were successful, 13.6 per cent partly successful and 53.54 per cent failed.

The President of the National Association of Manufacturers estimates that strikes have cost the United States \$10,000,000 a day in the last eight months, or \$2,400,000,000; that is \$25 for every man, woman and child in the country.

## BANKING AND BUILDING OF TO-DAY AND YESTERDAY

By H. T. UNDERWOOD

President, Underwood Contracting Corporation, New Orleans Specialists in Bank Building and Equipment

I was talking with a banker in a comparatively small town in Alabama the other day. He had just signed a contract with me to construct and equip a new building for his bank, and I confess I was a bit astonished at his knowledge of what constituted the "last word" in bank equipment and appliances. He was getting along in years, in fact just about at that age when most men are referring to "the good old days." And, as I said before, it was a rather small town. Yet, here was a banker who not only wanted the best for his community, but knew what the best was.

Mr. Banker told me frankly that he wanted his building to rank with the best in the land from an architectural standpoint,—so that every person in the town could be proud of the structure, and so that it might set an example for other building owners to follow. As to equipment, mechanical appliances and conveniences, he insisted that he wanted his customers to feel that they were being taken care of in a modern, up-to-date manner.

"It is awfully easy," he said, "for us

to go along and think our past reputation will hold us up; but times change, new generations come into power and the old foggy who does not keep up with the procession is soon out of the running. A new building with the latest improvements will cause every one in this section of the country to know that we are progressive, safe and sane."

Really I wanted to applaud these words of wisdom, but when I complimented him on his wide awake attitude he said:

"Oh, pshaw! If I didn't keep my ears to the ground I'd have been out of business long ago. There are too many people fighting the new ideas as it is. Some of us have got to fight for them. Why, you remember it has been only a few years when all the coins handled during the day had to be counted and sorted by hand every night. Then along came a man with a machine that did the work. All you had to do was to dump the change in a hopper and out it came all separated, wrapped and labelled. Don't you recall how the bank clerks objected

(Continued on Page 761.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Apartment House**, Germantown avenue and Manheim streets, \$250,000. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, name withheld. Brick and concrete, 4 stories, 70x150 feet, slag roof, concrete and oak floors, hollow tile, metal lath, vapor heating, electric light, tile work. Plans in progress.

**Residences and Stores (12)**, Seventy-first and Elmwood avenue, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, name withheld. Brick, 2 stories, 16x60 feet, slag roof, hardwood and cement floors, stone foundations, hot water heating, electric lighting, marble work, hollow metal bay windows, waterproofing, flush bulks. Architect will be ready for sub-bids in one week.

**Moving Picture Theatre**, Kensington avenue and J street, Philadelphia. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owners, Coane & Korman, 307 Lafayette Building, Philadelphia. Concrete, steel and brick, 1 story, irregular, slag roof, stone foundations, steam heating, electric lighting, tile and marble work, kalamein doors, ornamental plastering, composition floors. Plans in progress. Architect will be ready for bids in a week.

**Residence (alts.) to Apartment**, Northeast Corner Twentieth and Wallace streets, \$5,000. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, William E. Hexamer, Southeast Corner Tenth and Chestnut streets, Philadelphia. General interior alterations, oak floors, steam heat, electric lighting, tile work, plumbing and heating. Architect will sub-let.

**Foundations for Washington Monument**, Green Street Entrance, Fairmount Park, Philadelphia. Associate architects, Horace Trumbauer & Zanzinger, Borie & Medary, 1406 Land Title Building, Philadelphia. Owners, Commissioners of Fairmount Park, Room 127, City Hall. Stone, concrete and steel. Owners taking bids due November 26th. F. G. Stewart, 1619 Sansom street; George A. Fuller Co., Widener Building; George F. Payne & Co., 401 South Juniper street, and F. W. Mark Cont. Co., Commercial Trust Building, Philadelphia, are figuring.

**Apartment House and Residences (39)**, Parkside and Belmont avenues, and Viola street, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, name withheld. Brick, 3 stories, 45x50 feet, (36) 2 stories, 16x70 feet, (3) 2 stories, 15x45 feet, slag and tile roof, oak and cement floors, hot water heat, electric lighting, tile and marble work, plumbing, stone foundations. Plans in progress. Architect will be ready for bids in three weeks.

**Office Building**, 1716 Cherry street, Philadelphia. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owners, Morris &

Erskine, Crozer Building, Philadelphia. Stucco front, plastering and mill work, metal lath. Architects taking sub-bids.

**Residences (9)**, Overbrook, Philadelphia. Architect, E. Allen Wilson, 1218 Chestnut street, Philadelphia. Owner, name withheld. Brick, stone and stucco, 2½ and 3 stories. Plans in progress. Too early for details.

**Broom Factory**, Southeast Corner Fourth and Brown streets, Philadelphia, \$7,000. Architect, private plans. Owner, John Honey, 444 North Front street, Philadelphia. Brick, 3 stories, 37½x36 feet, slag roof. Owner will build.

**Residence**, Southeast Corner H and Kerper streets, Philadelphia, \$6,000. Architect, private plans. Owner, Elmer V. Phillips, 4945 North Fairhill street, Philadelphia. Frame, 2 stories, 17x39 feet and 10x8 feet, hot water heat. Owner will build.

**Store Building (alts.)**, Fifteenth and Filbert streets. Architects, Hoffman-Henon, Inc., Finance Building, Philadelphia. Owners, Schulte Cigar Co., 386 Broadway, New York City. Architects taking bids. Percival M. Sax, Franklin Bank Building, and Ketcham & McQuade, 1029 Brown street, are figuring.

**Balcony**, Thirty-second and Montgomery avenue. Architect, Frank C. Hahn, Denekla Building, Philadelphia. Owners, Beth Israel Synagogue, on premises. Structural steel, metal lath, plastering, electric lighting, mill work, marble work, yellow pine flooring. Architect taking bids due November 29th. Kober Const. Co., Middle City Building; Frank I. Wintz, 1618 North Twenty-seventh street, and Matthew Schmid, 1308 North Sixth street, are figuring.

**Residence (alts.) to Store and Apartments (2)**, 39 North Fifty-second street. Architect, E. Allen Wilson, 1218 Chestnut street, Philadelphia. Owner, J. Donovan, 36 South Delaware avenue, Philadelphia. Brick, third story add., stone foundations, hot water heat, electric light, tile work, pine floors. Plans in progress.

**Residence (alts. and add.) to Apartments**, 5226 Ludlow street. Architect, E. Allen Wilson, 1218 Chestnut street, Philadelphia. Owner, J. Donovan, 36 South Delaware avenue, Philadelphia. Brick, 3 stories and third story add., stone foundations, hot water heating, electric lighting, tile work, slag roof, pine floors, cement work. Plans in progress.

**Bank Building**, Girard and Frankford avenues, Philadelphia. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owners, Kensington National Bank, care of Charles Delaney, president, Southwest Corner Girard and Frankford avenues. Brick, granite and steel, 2 stories, 36x48 feet, slag roof, oak and terrazzo floors, stone foundations, steam heat, electric light, marble work, hollow metal sash, iron work, roof ventilators, metal window guards. Architect taking revised bids due December 1st. M. Melody &

Son, 1322 Race street; Roydhouse-Arey Co., 112 North Broad street; A. R. Raff Cont. Co., 1635 Thompson street; M. H. McCloskey, Jr., 1620 Thompson street; William R. Dougherty, 1610 Sansom street; H. John Homan Co., 34 South Seventeenth street, and Robbins Cont. Co., 1137 North Front street, are figuring.

**Store and Dwelling (alts. and add.)**, 6419 Woodland avenue. Architect, E. Allen White, 1218 Chestnut street, Philadelphia. Owner, Averell, on premises. Changing store and John Averell, on premises. Changing store and dwelling into store and 2 apartments, garages in rear, brick, 2 story add., side, 67x3 feet, rear, 1 story, 18x60 feet, slag roof, hardwood and cement floors, hot water heat, electric light, tile and marble work. Architect taking bids, due November 29. Julius Nelson, Darby P. O., Pa.; Stackhouse & Little, Sixty-third and Woodland avenue; Francis C. Schad, 6340 Paschall avenue; William J. Erwin, 5927 Kingsessing avenue; J. D. Fisher, 5424 Thompson street, and Clark & Co., 11 South Fifty-second street, are figuring.

**Factory Building**, Northeast Corner Baynton street and Cheltenham avenue, Germantown. Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner, name withheld. Reinforced concrete and brick, 3 stories, 80x225 feet, slag roof, maple floors, stone foundations (steam heat, electric lighting and plumbing reserved), rolled steel sash, fire doors, (2) electric elevators, sprinkler system, safety treads, metal lath, iron railing, cold water painting. Plans in progress. Ready for bids in a week.

**Retail Filling Station**, Forty-sixth and Walnut streets, Philadelphia, Pa., \$40,000. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, Sun Oil Co., Widener Building, Philadelphia. Hollow tile and plaster, 1 story, blue tile roof, cement floor, concrete foundations, electric lighting, hollow tile, waterproofing (heat reserved). Architect has received bids.

**Apartment House**, Northeast Corner Fifteenth and Allegheny avenue, Philadelphia. Architects, Hoffman-Henon, Inc., Finance Building, Philadelphia. Owner, Jerome J. Mankus, Finance Building, Philadelphia. Brick, terra cotta, reinforced concrete and steel. Plans in progress.

**Filling Station**, Philadelphia, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, Sun Oil Co., Widener Building, Philadelphia. Hollow tile and plaster, 1 story, tile roof, cement floors, hollow tile, concrete foundations, electric lighting. Plans in progress.

**Publishing House**, Seventh and Race streets, Philadelphia. Architect, Cyld S. Adams, 1509 Arch street, Philadelphia. Owner, Frank V. Chambers, 210 North Thirteenth street, Philadelphia. Brick, 3 stories, 80x24 feet, slag roof, cement and pine floors, stone foundations, tile work, rolled steel sash and rolling



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Real Estate Trust Building, Philadelphia

steel doors, iron work (electric lighting, heating and elevators reserved). Architect taking bids due December 1st. John R. Wiggins & Co., Otis Building; John A. Codori, 1235 Arch street; H. John Homan Co., 34 South Seventeenth street; John M. Yardley, 1716 Sansom street; M. H. McCloskey, Jr., Inc., 1620 Thompson street, and A. R. Raff Cont. Co., 1635 Thompson street, Philadelphia, are figuring.

**Store and Dwelling**, Seventeenth and Jackson streets, Philadelphia. Architect, Conrad F. Neff, Otis Building, Philadelphia. Owner, Mrs. Addington La Dow, Oak Lane, Philadelphia. Brick, third story add., galvanized iron work, slag roof. Architect taking bids due as soon as possible from Clark & Co., 11 South Fifty-second street, and H. F. Dinkelacker, 1612 McKean street.

**Parish Building**, Eighty-fifth and Gibson avenue, Philadelphia. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, St. Cyprian's Church, Eighty-fifth and Gibson avenue, Philadelphia. Stone and plaster, 1 story, 61x50 feet, slag roof, pine floors, stone foundations, roof ventilators, iron work (plumbing, heating and electric lighting reserved). Architects taking new bids due November 28th. J. M. Yardley, 1716 Sansom street; Thomas C. Trafford, 1613 Sansom street; A. P. Fraim, 319 Market street, and J. Sims Wilson Co., 1125 Brown street, are figuring.

**Building (alts.)**, Fortieth and Filbert streets, Philadelphia. Architects, Druckenmiller & Williams, 1537 Chestnut street, Philadelphia. Owner, A. C. Barnes, on premises. Brick work, iron work, carpentry, mill work, glazing, plastering, tile work, metal weather strips, metal lath. Architects taking revised bids due November 26th. Thomas C. Trafford, 1613 Sansom street; William R. Dougherty, 1610 Sansom street; William R. Graham, 3649 Filbert street, and J. M. Yardley, 1716 Sansom street, are figuring.

**Building (alts.)**, 907-09 North Broad street, Philadelphia. Agent, Harry T. Saunders, 31 South Eighteenth street, Philadelphia. Owners, Louis J. Kolb, Tenth and Reed streets, Philadelphia. Brick, 2 stories, 97x40 feet, wing 21x62 feet, slag roof, cement floors, metal lath, roof ventilators, stone foundations, steam heating, electric lighting, rolled steel skylights, iron work. Agent taking bids due December 1st. Potts Bros. & Coopers, 129 North Eleventh street; Hogg Const. Co., Denckla Building; Smith-Hardican Co., 1606 Cherry street, and Kessler Cont. Co., Drexel Building, are figuring.

**Residences (4)**, Roosevelt Boulevard, West of Seventh street, \$32,000. Architect, private plans. Owner, Louis Mark, 2820 North Twenty-first street, Philadelphia. Stone and brick, 2 stories, 16x32 feet and 13x15 feet, slag roof, hot water heating, electric lighting, oak and pine floors. Owner will build.

**Residence**, Fox Chase, Philadelphia. Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owner, Carl N. Martin, Pine Road, Fox Chase, Philadelphia. Stone, 2½ stories, shingle roof, oak and pine floors, stone foundations, hot water heating, electric lighting, tile work. Architects taking bids due November 28th. I. A. Dunkelberger, 71 East Herman street; Joseph Ashby, Second Street Pike, Fox Chase, Philadelphia, and William J. Gruhler Co., 219 East High street, are figuring.

**Residences (7)**, Northeast Boulevard, Philadelphia. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owner, name withheld. Stone, 3 stories, 24x36 feet, stone foundations, slate roof, hardwood floors, hot wa-

ter heat, electric light, tile work. Plans in progress.

**Garage**, 224 West Walnut Lane, Germantown, Philadelphia. Architect, Edwin G. Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, Mrs. John F. Keator, on premises. Hollow tile and stucco, 2 stories, 18x24 feet, stone foundations, slate roof, cement floors, hot water heating, electric lighting. Architect has received bids.

**Residence and Garage**, Gate street, Roxborough, Philadelphia. Architect, private plans. Owner, Walter M. Hodson, 525 Leverington avenue, Philadelphia. Frame, 2½ stories, shingle roof, hot water heat, electric light. Owner taking bids due December 1st. William H. Eddleman & Son, 453 Green Lane, Philadelphia, are figuring.

**Building**, 1248 North Broad street, Philadelphia. Architects, Hoffman-Henon, Inc., Finance Building, Philadelphia. Owner, name withheld. Brick and terra cotta, 2 stories and mezzanine floor, 25x160 feet, composition roof, cement and maple floors, metal lath, elevators, roof ventilators, electric lighting, stone foundations, rolled steel sash, hollow metal skylights, rolling steel doors, iron work (heating and plumbing reserved). Architects taking bids, due November 29th. P. M. Sax, Franklin Bank Building; Pierce-Henon Co., Bulletin Building; John R. Wiggins Co., Otis Building, and Ketcham & McQuade, 1029 Brown street, are figuring.

**Store and Apartment and Residences (20)**, Ardleigh street and Stenton avenue. Architect, E. Allen Wilson, 1218 Chestnut street, Philadelphia. Owner, George H. McCracker, 2528 West Lehigh avenue, Philadelphia. Brick, 2 stories, 18x30 feet and 18x31 feet, store and apartments, 2 stories, irregular size, slag roof, pine floors, stone foundations, hot air or hot water heating, electric lighting. Owner is taking sub-bids.

**Show Room and Service Building**, Broad street near Girard avenue. Architect, Ernest H. Yardley, 1713 Sansom street, Philadelphia. Owner, name withheld. Brick, reinforced concrete and terra cotta, 5 stories, 75x150 feet, slag roof, cement and wood floors, steam heating, electric lighting, marble work. Plans completed.

**Office and Factory**, Stenton avenue and Loudon street, Philadelphia. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Wicaco Screw and Machine Works, 623 Wood street, Philadelphia. Brick, 2 stories, 321x82 feet, slag roof, maple floor, hollow tile dampproofing, iron work, stone foundations, tile and marble work, rolled steel sash and skylights, hollow metal doors, damp-proofing (heating and electric lighting separate bids). Architects taking bids due December 3rd. John N. Gill & Co., Otis Building; Barclay White & Co., 1713 Sansom street; Cramp & Co., Denckla Building; Wark & Co., 1737 Filbert street; H. E. Baton, 1713 Sansom street; Turner Const. Co., 1713 Sansom street, and Hughes-Foulkrod Co., Commonwealth Building, are figuring.

**Office Building (alts.)**, 135 South Second street, Philadelphia. Architect, private plans. Owners, Keystone Telephone Co., 135 South Front street, Philadelphia. Steel work, fire-proof, composition floors, hollow tile. Owners taking bids. Irwin & Leighton, 126 North Twelfth street; Doyle & Co., 1519 Sansom street, and Wm. Steele & Sons Co., Sixteenth and Arch streets, are figuring.

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## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Residence**, Chestnut Hill, Philadelphia. Architect, Robert Rodes McGoodwin, 1422 Walnut street, Philadelphia. Owner, H. L. Appleton, Twelfth and Sansom streets, Philadelphia. Stone and stucco, 3 stories, 30x56 feet, shingle roof, oak floors, metal lath, stone foundations, hot water heat, electric light, tile work, ornamental iron work. Contract awarded to Pringle Borthwick, 8018 Germantown avenue.

**Garage**, Southeast Corner Cottman street and Oxford Pike, Philadelphia, \$6,000. Architect, private plans. Owner, S. A. Diringer, 7249 Rising Sun avenue, Philadelphia. Brick, 1 story, 60x18 feet and 54x91 feet, trussed roof. Contract awarded to Joseph Diringer, 7249 Rising Sun avenue, Philadelphia.

**Building (alts.)**, 1616-18 North Twenty-second street, Philadelphia, \$5,585. Architect, private plans. Owner, J. B. Cornell, 1724 North Twenty-ninth street, Philadelphia. General fire repairs. Contract awarded to Frank I. Wintz, 1618 North Twenty-seventh street, Philadelphia.

**Residence (add.)**, 1121 West Lehigh avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Samuel Shapiro, 2650 Germantown avenue, Philadelphia. General alterations and additions. Contract awarded to Harry Bobb, 3038 Agate street, Philadelphia.

**Receiving Building**, 4832 Market street, Philadelphia, \$3,000. Architect, private plans. Owner, Shutes Laundry, on premises. Brick, 1 story, 12x122 feet, slag roof, pine floors.

Contract awarded to Edward Holland, 1031 South Fifty-fourth street, Philadelphia.

**Garage**, Overbrook, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Morris Wood, Overbrook, Philadelphia. Brick and steel, 3 stories, 60x95 feet, stone foundations, slag roof, cement and pine floors, metal lath, hot water heat, electric light, tile work, iron work. Contract awarded to Alfred James, Bala, Pa.

**Factory**, Twentieth and Indiana avenue, Philadelphia. Architect, private plans. Owners, Wright Roller Bearing Co., Twentieth and Indiana avenue, Philadelphia. Steel, concrete, 1 story, 50x80 feet, stone foundations, slag roof, concrete floors, roof ventilators, iron work (heating and lighting reserved). Contract awarded to H. John Homan, Middle City Building, Philadelphia.

**Store (alt.)**, 1122-24 Chestnut street, Philadelphia, \$90,000. Architects, William Steele & Sons Co., 1600 Arch street, Philadelphia. Owner, B. F. Dewees, 1122 Chestnut street, Philadelphia. Brick, 4 stories, 55x230 feet, slag roof, steam heating, electric lighting. Contract awarded to William Steele & Sons Co., 1600 Arch street.

**Garage (add.)**, 2125 Clearfield street, Philadelphia. Architect, private plans. Owner, Jacob Hornung, 2125 Clearfield street, Philadelphia. Brick, second floor add., 60x145 feet, slag roof, concrete floors, rolled steel sash and skylights, iron work, roof ventilators (heat and light reserved). Contract awarded to

P. Haibach Co., 1261 North Twenty-sixth street, Philadelphia.

**Garage**, South side Kenilworth street, West of Seventh street, \$1,500. Architect, private plans. Owner, George Binkus, 619 Olney avenue, Philadelphia. Brick, 1 story, 19x21 feet, slag roof, cement floors. Contract awarded to John Ashton, Fifth and Fishers avenue, Philadelphia.

**Garage**, 6617 Lincoln avenue, Philadelphia, \$2,500. Architect, private plans. Owner, Harry Linsk, on premises. Stone, 1 story, 15x22 feet, cement floor, slate roof. Contract awarded to J. H. Walter, 168 East Walnut Lane, Philadelphia.

**Manufacturing Building (add.)**, Hunting Park avenue and Stokley street, \$15,000. Architect, private plans. Owner, Charles Christos, on premises. Brick, 2 stories, 25½x151 feet, slag roof, steam heating, electric lighting, cement floors. Contract awarded to Harry Brocklehurst, 512 West Norris street, Philadelphia.

**Store and Dwelling (alts.)**, 4170 Germantown avenue, \$3,000. Architect, private plans. Owner, Samuel Badder, 51 West Walnut Lane, Germantown. General alterations. Contract awarded to Frank I. Wintz, 1618 North Twenty-seventh street, Philadelphia.

**Ford Service Building**, 1319-37 Wood street, Philadelphia, \$27,000. Architect, Philip S. Tyre, 1509 Arch street, Philadelphia. Owners, Guaranty Realty Co., Stock Exchange Building, Philadelphia. Brick and steel, 1 story, 71x151 feet, slag roof, cement floors, steam heat, electric light, stone foundations, rolled steel skylights, iron work. Contract awarded to Potts Bros. & Cooperson, 129 North Eleventh street, Philadelphia.

**Bank Building**, 1512 Chestnut street, Philadelphia. Architect, Frank Seeburger, 1524 Chestnut street, Philadelphia. Owner, Rittenhouse Trust Co., 1323 Walnut street, Philadelphia.

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delphia. General interior alterations, tile and marble work. Contract awarded to William R. Dougherty, 1610 Sansom street, Philadelphia.

**Office, Garage and Lumber Shed**, Third below Girard avenue, Philadelphia. Architect, H. B. Weldon, 10 South Eighteenth street, Philadelphia. Owner, Howard Ketcham, on premises. Brick, steel, 1 story, 84x32 feet, wing 82x20 feet, stone foundations, slag roof, maple floors (heating, plumbing and electric work reserved). Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

**Bank Building (alts.)**, 925 Chestnut street, Philadelphia. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owners, Federal Reserve Bank, on premises. Alterations to third and sixth floors. Contract awarded to Jacob Myers & Sons Co., Witherspoon Building.

**Office and Assembly Room, Power House and Garage**, 838-40-42-44 North Third street, Philadelphia, \$30,000. Architect, private plans. Owner, General Carbonic Co., on premises. Brick, 1 and 2 stories, 90x48 feet, 43x30 feet and 30x27 feet, slag roof, pine and cement floors, electric light, steam heat. Contract awarded to M. H. McCloskey, Jr., Inc., 1620 Thompson street.

**Bungalows (3)**, Brewster avenue, West of Eighty-sixth street, and (8) Eighty-seventh street, North of Albertson avenue, Philadelphia, \$6,900. Architect, private plans. Owner, Ben Snyder, 7904 Eastwick avenue, Philadelphia. Brick, 1½ stories, 17x30 feet and 17x24 feet, electric light. Contract awarded to Charles P. Ruth, 8802 Eastwick avenue, Philadelphia.

**Garage**, 2518 South Seventy-first street, Philadelphia, \$3,100. Architect, private plans. Owner, S. Scott, on premises. Brick, 1 story, 18x100 feet, slag roof, cement floors. Con-

tract awarded to William J. Mitchell, Osage, N. J.

**Storage Building (alts.)**, 918 Beach street, Philadelphia, \$2,000. Architect, private plans. Owner, Clayton W. Nichols, on premises. General fire repairs. Contract awarded to G. E. Tilt & Co., 90 West Broadway, New York.

**Factory (add.)**, Sixth and Tabor Road, Philadelphia, \$8,000. Architect, private plans. Owners, Philadelphia Textile Machine Company, on premises. General alterations and additions. Brick, slag roof. Contract awarded to Hennebique Const. Co., 1170 Broadway, New York.

**Slaughter House**, 3020 Latona street, Philadelphia, \$7,200. Architect, private plans. Owners, Lorenzo & Ciletti, 1167 S. Eleventh street, Philadelphia. Brick, 1 story, 25x48 feet and 8x100 feet. Contract awarded to A. Brassi, 1141 Lin street, Philadelphia.

**Garage**, 1514 North Hope street, Philadelphia, \$3,300. Architect, private plans. Owners, O'Neill Bros., Inc., Oxford and Howard streets, Philadelphia. Brick, 1 story, 18x50 feet, slag roof, cement floor. Contract awarded to Wm. Steele & Sons Co., 1600 Arch st., Philadelphia.

**Residence (alts. and add.)**, Chestnut avenue, Chestnut Hill, \$20,000. Architect, C. A. Ziegler, 1218 Chestnut street, Philadelphia. Owner, Walter D. Larzelere, Commercial Trust

Building, Philadelphia. General interior alterations and additions. Contract awarded to I. A. Dunkelberger, 71 East Herman street, Philadelphia.

**Garage (add.)**, northwest corner of Fifty-seventh and Pentridge streets, Philadelphia, \$25,000. Architect, private plans. Owner, George C. Williamson, Fifty-seventh and Wil-lows avenue, Philadelphia. Brick, one story addition, 67x185 feet, cement floors, slag roof. Contract awarded to Leroy K. Smith, Forty-first and Chester avenue.

**Garage**, Twenty-sixth and Girard avenue, Philadelphia. Architect, private plans. Owner, John C. Gracey, on premises. Brick, 1 story, 54x130 feet and 2 stories, 50x18 feet, slag roof, stone foundations, steam heating, electric lighting, cement and pine floors. Contract awarded to E. E. Hollenback, Inc., 1804 Brandywine street.

**School**, Wissinoming, Philadelphia. Architect, George I. Lovatt, 416 Walnut street, Philadelphia. Owners, St. Bartholomew's R. C. Church, care of Rev. Joseph Scanlan, Broad and Butler streets, Philadelphia. Basement, stone, 113x113 feet, slag roof, pine floors, stone foundations, steam heating, electric lighting. Contract awarded to T. J. & J. R. Whelan, 214 South Forty-ninth street, Philadelphia.

## PENNSYLVANIA

## Construction News

**Grade School**, Allentown, Pa. Architects, Ruhe & Lange, 12 North Sixth street, Allentown, Pa. Owners, School District of City

of Allentown, Allentown, Pa. Brick, 2 stories and basement, stone foundations. Too early for details.

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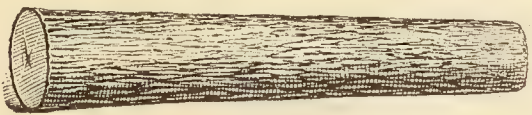
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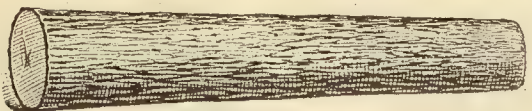
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**High School, Allentown, Pa.** Architects, Ruhe & Lange, 12 North Sixth street, Allentown, Pa. Owners, School District of City of Allentown, Allentown, Pa. Brick, 2 stories and basement, concrete foundations. Too early for details.

**Silk Mill, Palmerton, Pa.** Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Read & Lovatt Mfg. Co. of New York, care of Mr. Thorp, Weatherly, Pa. Brick and reinforced concrete, 1 story, 100x50 feet, concrete foundations, trussed roof, concrete and gumwood floors, electric lighting, tile work, roof ventilators. Plans in progress. Architects will be ready for bids in two weeks.

**Farm House, Garage, Creamery, Barns, Pump Station and Sewerage Disposal Plant, near Bethlehem, Pa.** Architect, C. H. Spangenberg, 504 Broadway, Bethlehem, Pa. Stone and tile, (house) 2½ stories, various sizes, slate roof, yellow pine and cement floors, steam heating, electric lighting. Preliminary plans in progress.

**Silk Mill, Pottsville, Pa.** Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Phoenix Silk Mfg. Co., Race and Court streets, Allentown. Brick, mill construction, 4 stories, 150x50 feet, stone foundations, slate roof, plank and gumwood floors, electric light, rolled steel sash, fire doors, elevators, roof ventilators, waterproofing. Plans in progress. Architect will be ready for bids in two weeks.

**Bungalow, Richmond, Pa.** Architect, C. F. Spangenberg, 514 Broadway, Bethlehem, Pa. Owner, F. S. Messenger, 114 East Broadway, Bethlehem, Pa. Stone, 2 stories, 32x41 feet, stone foundations, shingle roof, hardwood floors, hot air heating, electric lighting. Plans completed. Owner will take bids.

**Residence, Melrose Park, Pa., \$25,000.** Architects, Greisler & Abramson, Lafayette Building, Philadelphia. Owner, Joseph Sionsky, 2223 North Thirty-third street, Philadelphia. Brick, 2½ stories, hot water heat, electric light, tile work. Plans in progress.

**Residence, Ridley Park, Pa.** Architect, private plans. Owner, William C. Wright, 2448 North Colorado street, Philadelphia. Stone, 2½ stories, 39x39 feet, stone foundations, shingle roof, oak and pine floors, hot water heat, electric light, tile work. Owner has received bids.

**Residence, Wynnefield, Pa.** Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, Maxwell Ellis, 4948 North Broad street, Philadelphia. Hollow tile, plaster and terra cotta, 2½ stories, 42x26 feet, stone foundations, slate roof, oak and pine floors, electric light, hollow tile, metal lath, iron work (tile, marble work and heating reserved). Architect has received bids.

**Residence, Ardmore, Pa.** Architects, McIlvain & Roberts, Otis Building, Philadelphia. Owner, Dr. H. K. Pancoast, Wynnewood, Pa. Hollow tile and stucco, 2½ stories, 55x20 feet, wing 49x22 feet, stone foundations, shingle roof, oak floors, vapor heating, electric lighting, tile work, iron work. E. J. Heddon, Fil-

nance Building, Philadelphia, taking sub-bids.

**Residence and Garage, Sewickley, Pa.** Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, T. McKee Graham, Sewickley, Pa. Hollow tile and stucco, 2½ stories, 30x80 feet, and 1 story 22x30 feet, tile roof, oak and cement floors, concrete foundations, vapor heat, electric light, tile work, plumbing. Architect is ready for bids.

**Residence, Brookline, Delaware County, Pa.** Architects, Custer & Gill, 304 Market street, Camden, N. J. Owner, J. D. Mosser, Brookline, Pa. Frame, 2 stories, 25x30 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

**Synagogue, Olyphant, Pa., \$10,000.** Architect, Theodore Preitz, 313 Lackawanna street, Scranton, Pa. Owner, name withheld. Brick, 1 story and basement, slate roof, hardwood floors, electric lighting. Plans in progress.

**Church and School, Coaldale, Pa., \$75,000.** Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, name withheld. Brick, stone, steel and frame, 1 story and basement, 64x128 feet, concrete foundations, slate roof, hardwood floors, steam heat, electric light, tile and marble work, art glass, church goods, roof ventilators. Plans in progress.

**Warehouse (add.), Wilkes-Barre, Pa.** Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, name withheld. Brick and steel, 3 stories and basement, 23x100 feet, slag roof, pine floors, steam heat, electric light, hollow metal sash. Plans in progress.

**Commercial Building (alt. and add.), Wyoming avenue, Scranton, Pa.** Architect, L. Reisman, Miller Building, Scranton, Pa. Owner, name withheld. Brick, 3 stories, new front, plate glass, tile and marble work, copper front. Plans in progress.

**Dairy Barn, Retreat, Pa.** Architect, Austin Reilly, Bennett Building, Wilkes-Barre, Pa. Owner, Central Poor District, care of James Reilly, secretary, 20 North Franklin street, Wilkes-Barre, Pa. Tile, 1½ stories, 210x120 feet, concrete foundations, asbestos roof, concrete floors, hot water heat, electric light, stable equipment. Plans in progress.

**Store (alt.), South Main street, Wilkes-Barre, Pa.** Owner, John Snider, on premises. Architect, H. A. Maier Coal Exchange Building, Wilkes-Barre, Pa. New store front, plate glass, art glass, shelving, tile and marble work, general interior alterations. Plans completed. Architect ready for bids.

**Factory (add.), West Pittston, Pa.** Architect, J. H. Davis, Coal Exchange Building, Scranton, Pa. Owner, Kimbel & Ensmereich, Scranton, Pa. Brick, mill construction, 4 stories, 52x60 feet, slag roof, maple floors, electric light, rolled steel sash. Architect ready for bids.

**Residence and Garage, Spring Road, Elkins Park, Pa.** Architect, C. A. Ziegler, 1218 Chestnut street, Philadelphia. Owner, Julius Hirsh, 10th and Berks sts., Phila. Stone, 2½ stories, 59x20 feet, wing 41x35 feet, garage, 1 story, 41x24 feet, shingle roof, oak, pin and cement

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floors, stone foundations, hot water heating, tile work, ornamental iron work. Architect taking bids due December 1st. F. B. Davis, 240 North Sixteenth street; Wolverton & Co., 28 E. Willow Grove avenue; R. C. Ballinger & Co., 218 North Thirteenth street; William R. Dougherty, 1610 Sansom street; Harry Brocklehurst, 512 West Norris street; E. Allen Reeves, Abington, Pa., and A. L. Fretz & Son, Heed Building; F. L. Hoover & Son, 1023 Cherry street, are figuring.

**Residence**, Arthur avenue, Scranton, Pa. Architect, D. A. Morgan, Connell Building, Scranton, Pa. Owner, name withheld. Brick, 2 stories and basement, 43x28 feet, tile roof, hardwood floors, steam heat, electric light, tile and marble work. Architect has received bids.

**School (alt.)**, Oliphant, Pa., \$20,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Oliphant School District, care of P. J. McGinny, Oliphant, Pa. Brick and stone, 2 rooms, interior alterations. Owner taking sub-bids.

**Warehouse**, North Main street, Wilkes-Barre, Pa. Architect, Austin Reilly, Bennett Building, Wilkes-Barre, Pa. Owner, Kelsee Battery Co., North Main street, Wilkes-Barre, Pa. Brick, 1 story, 48x60 feet, slag roof, concrete floors, electric light. Owner taking sub-bids.

**Church (alt.)**, Luzerne, Pa. Architects, Schroeder & Schmitt, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, S. H. Church, care of Rev. George Fowe, Luzerne, Pa. Brick and concrete work, interior alterations. Owner building.

**Residence**, Kingstone, Pa. Architect, George Schroeder, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, Martin Bohjmski, Plains, Pa. Frame, 2½ stories, 28x40 feet, asbestos roof, pine floors, steam heat, electric light, tile work. Owner will build.

**Residence**, Elkins Park, Pa. Architect, C. A. Ziegler, Bailey Building, Philadelphia. Owner, Gould Hirsh, Tenth and Berks streets, Philadelphia. Stone, 2½ stories, 37x63 feet, shingle roof, parquet and pine floors, tile work, metal lath, iron work, hot water heat (electric work reserved). Architect taking bids due December 1st. A. L. Fretz & Son, Heed Building; F. B. Davis, 240 North Sixteenth street; Wolverton & Co., 28 East Willow Grove avenue; R. C. Ballinger & Co., 218 North Thirteenth street; William R. Dougherty, 1610 Sansom street; Harry Brocklehurst, 512 West Norris street; E. Allen Reeves, Abington, Pa., and A. L. Fretz & Son, Heed Building; F. L. Hoover & Son, 1023 Cherry street, are figuring.

**Garage and Comfort Station**, Merion, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, Lower Merion School Board, Merion, Pa. Brick, 1½ story, 35x100 feet, slate roof, cement and pine floors, stone foundations (hot water heating, electric light and plumbing reserved), rolled steel skylights, iron work. Architects taking bids due December 2nd. E. J. Hedden, Finance Building; William R. Graham, 3649 Filbert

street; Standard Const. Co., 1713 Sansom street; W. O. Springer, 1624 Latimer street, and A. L. Fretz & Son, Heed Building, are figuring.

**Theatre, Stores and Dance Hall**, Chester, Pa. Architect, H. Childs Hodgins, 130 South Fifteenth street, Philadelphia. Owners, Nixon Theatre, Chester, Pa. Brick, concrete and steel and terra cotta, 2 stories, 120x160 feet, slag roof, tile, marble and terrazzo work, fire doors, roof ventilators, concrete work, steam heating, electric lighting, hardwood floors. Architect is ready for general bids.

## Pennsylvania Contracts Awarded

**Mill**, Clark Summitt, Pa. Architect, Fred Nelson, Connell Building, Scranton, Pa. Owner, Connell & Erban, Scranton, Pa. Concrete and mill construction. 1 story, 110x40 feet, composition roof, pine floors, steam heat, electric light, roof ventilators. Contract awarded to Strawbird Co., Clark Summitt, Pa.

**Garage (alt. and add.)**, Scranton, Pa. Architect, L. Reisman, Miller Building, Scranton, Pa. Owner, name withheld. Stone, glass, 3 stories, 38x50 feet, new plumbing, electric lighting, tile floors. Contract awarded to Charles Packard, Scranton, Pa.

**Residence**, Carbondale, Pa. Architects, Morris & McHale, Burr Building, Scranton, Pa. Owner, Dr. F. L. Martin, Carbondale, Pa. Frame and stucco, 2½ stories, 30x48 feet 4 inches, slate roof, hardwood floors, vapor heat, electric light, tile work. Contract awarded to F. H. Spinner, Carbondale, Pa.

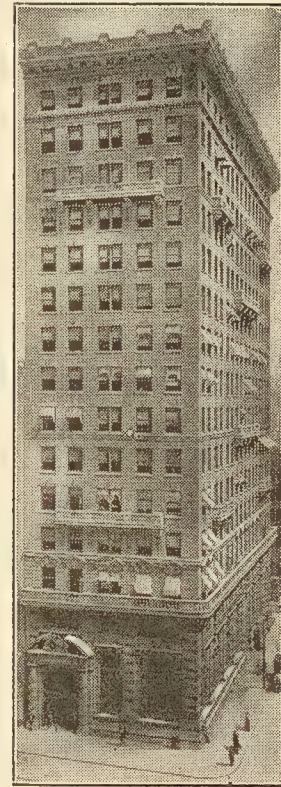
**Residence (alts.)**, 220 Church Road, Ardmore, Pa. Architect, Horace Wells Sellers, Stephen Girard Building, Philadelphia. Owner, Arnold Gerstell, on premises. Stucco work, general interior alterations, new porches. Contract awarded to E. E. Hollenback, 1804 Brandywine street.

## Proposals

### INVITATION FOR PROPOSALS

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., November 12, 1919. Sealed Proposals will be opened in this office at 3 P. M., Dec. 10, 1919, for extension of the United States Post Office and Court House building at Harrisonburg, Va. Drawings and specifications may be obtained from the Custodian of the building at Harrisonburg, Va., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., Nov. 14, 1919. Sealed Proposals will be received at this office until 3 P. M., Dec. 12, 1919, and then opened, for extension of mailing vestibule at the U. S. Post Office, Morgantown,



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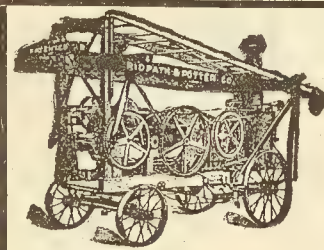
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**New Jersey  
Construction News**

**Store Building (alts.)**, Illinois avenue and Boardwalk, Atlantic City. Architect, Charles F. Rabenold, 1524 Chestnut street, Philadelphia. Owners, Schulte Cigar Co., 386 Broadway, New York City. Architect taking bids. Lam Building Co., 1001 Wood street, Philadelphia, is figuring.

**Office Building**, 527 Market street, Camden, N. J. Architect, Thomas Stephen, Temple Building, Camden, N. J. Owners, Smith-Austermuhl Co., on premises. Brick, terra cotta, steel, 1 story, 109x56 feet, stone foundations, slag roof, maple floors, electric light, marble work (heating reserved), iron work. Architect taking bids due November 28th. Standard Const. Co., 1713 Sansom street, Philadelphia; Geo. Bachman, 19 N. 30th st., Camden, N. J., and James W. Draper, 436 Haddon avenue, Camden, N. J., are figuring.

**Hotel (alt.)**, Mt. Holly, N. J. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owner, name withheld. General interior alterations. Plans in progress.

**Bank**, Ocean County, N. J. Architects, Custer & Gill, 304 Market st., Camden, N. J. Owner, name withheld. Brick, 1 story, 30x47 feet, slag roof, tile and pine floors, pipeless heater, electric light, cast stone vaults, roof ventilators, bank fixtures. Plans in progress.

**Residence and Store**, Woodlyne, N. J. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owner, H. D. Moore, care of architects. Brick, 2 stories, 20x65 feet, concrete foundations, slag roof, pine floors, hot water heat, electric light. Plans in progress. Lewis West, Camden, N. J., will take sub-bids in one week.

**Factory**, Bridgeton, N. J. Architects, Custer & Gill, Third and Market streets, Camden, N. J. Owner, name withheld. Brick, slow burning, 1 story, 50x100 feet, slag roof, concrete floors, steam heat, electric light, hollow metal skylights, roof ventilators. Plans in progress.

**Garage**, Bridgeton, N. J. Architects, Custer & Gill, 304 Market street, Camden, N. J. Owner, name withheld. Brick, slow burning, 1 story, 60x200 feet, concrete foundations, slag roof, concrete floors, steam heat, electric light, rolled steel skylights, roof ventilators. Plans in progress.

**Club House**, Broadway and Royden streets, Camden, N. J. Architect, W. W. Sharpley, 1713 Sansom street, Philadelphia. Owners, Ottawa Tribe of Red Men of New Jersey, Camden, N. J. Brick, steel and limestone, 3 stories, 40x145 feet. Architect taking bids due December 4th. Cramp & Co., Denckla Building; R. C. Ballinger & Co., 218 North Thirteenth street; Wills, Ludwick & Co., 1708 Sansom street, Philadelphia, and George Bachman, Camden, N. J., are figuring.

**Baptistry**, Perth Amboy, N. J. Architects, Fowler & Seaman, Broad Street Bank Building, Trenton, N. J. Owners, St. Peter's Church of Perth Amboy, care of architects. Brick and stone, 1 story, irregular size, stone foun-

Building Lime—Buy pure lime, no core, no grit—Chemical Lime. **DAVID FRANCE CO.,**  
Tasker Street Wharf, Delaware River, Phila. Both 'phones.



dations, slate roof, tile floors, electric lighting, tile and marble work. Plans near completion. Architects will take bids in one week.

**Office and Coal Storage Building**, Maryland and Lexington avenues, Atlantic City, N. J. Architect, J. R. Ogden, 143 South Carolina avenue, Atlantic City, N. J. Owner, C. Levin, Atlantic City, N. J. Brick, concrete, 100x112 feet, cement floors, electric light (plumbing reserved). Architect taking bids.

**Factory (alts.)**, South Warren avenue, Trenton, N. J. Architect, Walter Hankin, 239 South Warren street, Trenton, N. J. Owners, Hildebrecht Ice Cream Co., South Warren street, Trenton, N. J. Reinforced concrete, ice cream plant, 50 tons. Owner will build.

**School**, Pennsgrove, N. J. Architect, Geo. I. Lovatt, 416 Walnut street, Philadelphia. Owners, St. James' R. C. Church, care of Rev. H. L. Massey, Pennsgrove, N. J. Brick and stucco, 2 stories and basement, 60x100 feet, slate roof, pine floors, stone foundations, steam heating, electric lighting, plumbing. Architect taking revised bids, due November 28th, from Wm. R. Dougherty, 1610 Sansom street, Philadelphia, and H. S. Hoffman Co., Pitman, N. J.

## New Jersey Contracts Awarded

**Toilet Room (add.)**, Camden, N. J. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Easterbrook Pen Co., Camden, N. J. Concrete, slag roof, kalamein doors, brick work, carpentry and mill work, plumbing, drainage. Contract awarded to Robert E. Lamb Co., 843 North Nineteenth street, Philadelphia.

**Dwellings (2)**, West State and Lasalle streets, Trenton, N. J., \$7,000. Architect, private plans. Owners, Park Place Land Co., Trenton, N. J. Brick, 2½ stories, 14x31 feet, stone foundations, slate and tin roof, pine floors, electric light, tile work. Contract awarded to Germaros Tucialla, 746 Roebbling avenue, Trenton, N. J.

**Residence**, Sanhican Drive, Trenton, N. J., \$8,000. Architect, private plans. Owner, J. H. Hearnan, 107 South Warren street, Trenton, N. J. Brick, 2½ stories, 15x32 feet, concrete foundations, slate roof, hardwood floors, electric light, tile work. Contract awarded to Guesepi Russo, 16 Butler street, Trenton, N. J.

**Store**, Whittaker avenue, Trenton, N. J., \$3,000. Architect, private plans. Owner, J. E. Major, 132 Butler street, Trenton, N. J. Brick, 1 story, 16x24 feet, slag roof, hardwood floors, electric light. Contract awarded to James Birks, 224 Ardmore street, Trenton, N. J.

**Residences (2)**, Cook avenue, Trenton, N. J., \$7,000. Architect, private plans. Owners, Greenwood Realty Co., 7 Forst Richey Building, Trenton, N. J. Brick, 2½ stories, 14x44 feet, concrete foundations, slate roof, pine floors, steam heating, electric lighting. Contract awarded to James Birks, 224 Ardmore street, Trenton, N. J.

**Residence**, Merchantville, N. J., \$12,000. Architects, Morris & Erskine, Crozer Building, Philadelphia. Owner, Grover C. Richman, Camden, N. J. Frame and brick, 2½ stories, 35x55 feet, shingle roof, stone foundations, hot water heating, electric lighting. Contract awarded to Baldwin Const. Co., Camden, N. J.

## Miscellaneous Construction News

**Camp Buildings**, Highmount, Delaware County, N. Y. Architect, George S. Idell, 1705 Chestnut street, Philadelphia. Owner, Alexander Saunders, Highmount, Delaware County, N. Y. Frame, new buildings, 1 story, alterations to old buildings. Plans in progress. Will take bids in about one month.

(Continued from Page 752.)

to the machine? Said it would take their work away from them!

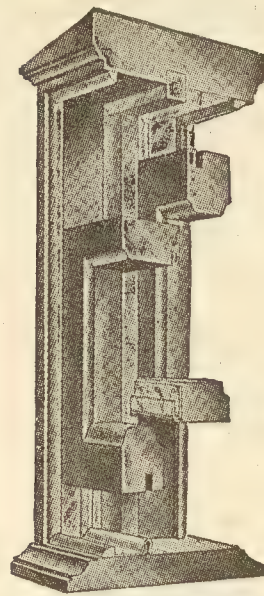
"Then there is that machine that makes change for the teller quicker than he could count it. Look at the automatic writing machine where a teller can write a message in his cage which is duplicated on a sheet of paper in the book-keeper's room. Look at the machine which cancels checks. Why if they had to cancel checks by hand in the big city banks, they would have to have ten times the number of clerks and twice the floor space.

"Yes," I interrupted. "And how about the mailing department with its automatic letter openers, and the folding, sealing and stamping machines? And the dictaphone to speed up stenographic work and save a busy man's time, and mimeograph letter writers that turn out imitation typewritten letters by the hundreds?"

"Sure," he said. "But those are more for the big banks in the big cities. For us fellows out in the country one of the greatest helps has been the adding machines that can't make mistakes, the monthly statement writing machines and the ledger posting that keep bookkeepers from growing gray before their time."

The development of machinery in the banking business has been remarkable, and the efficiency, time and labor saving brought about by the adoption of mechanical methods can never be computed.

But these devices have not surpassed another phase of banking development. I refer to the features of planning, building and equipment generally. It is only in the last dozen years that banks, particularly those in small towns, have been planned and built with any degree of efficiency. Yet, no kind of building work calls for greater skill. It did seem to be a fairly simple matter: A certain number of cages for the tellers, space for the officers, a room some place for the book-keepers and the other employees; perhaps a safe deposit room. A bank used to be a hard place to get into; there was no note of welcome; nothing of cheerfulness, nothing of comfort or



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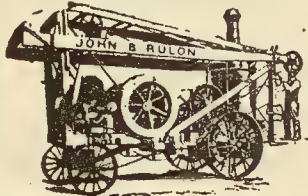
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**Terra Cotta Works, Crum Lynne, Pa.**

convenience, and little or not attempt at scientific arrangement.

Nowadays, it is recognized that a bank's primary function is to render a service, particularly a service to its customers. To render that service in the best possible manner, it is necessary that the banking room be laid out scientific-

ally. The problems of the bank building, while seemingly simple, are indeed intricate, and the proper arrangement of space, logical placing of departments and apportioning of space, call for an order of architectural and constructive intelligence that can only come from specialization in bank building work.

## AN APPEAL TO LABOR

BY HARRY A. MACKEY

Chairman of the Pennsylvania Workmen's Compensation Board

Massachusetts has recorded her verdict couched in the language and pitched to the temper of the Nation. The leaders of labor ought to take notice of the fact that, without respect to party, distinguished men from all the States are heralding the election of Governor Coolidge, as a vindication of right and justice and an assurance of the stability of our people and the perpetuation of the Republic.

American citizenship has acclaimed the result of the Massachusetts election as establishing the fact that American democracy shall survive, that class shall not prevail over class, and that one group of citizens, in mistaken zeal, shall not imperil the rights of the whole.

The verdict of the people of Massachusetts is also universally accepted as a guarantee that might is not right, and that the rules of conduct of a small group shall not be substituted for the fundamental law of the land.

The result in this election also proclaims that America is still the great melting pot of the world, and that men of all grades of education, enlightenment, social relations and racial entanglements, will ever come out of this human caldron, real pillars of our democracy, acknowledging the supremacy of the law and recognizing the authority of properly constituted officials.

Those in leadership of large groups of the working classes should consider, not so much the result of this election, as the temper of the American people. A hundred and more millions of people will be impatient with inconveniences, privation and suffering brought to their doors by small groups which seek by force and the infliction of suffering, to bring about a readjustment of their real or imaginary grievances.

My appeal is to the thoughtful, red blooded, honest, homemaking workmen of our State. He ought to stop and as-

sert the independence and sovereignty of his own individual self, before he blindly allows others to precipitate him into a situation that is going to bring suffering and privation to the homes of all our people, his own included, and, with the temper of the people as it now is, will render his organization impotent for future usefulness to himself and his fellow workmen.

In my intimate relationship with the workmen of Pennsylvania, I know how the individual workman feels. I know of no substantial bread winner in Pennsylvania who, prompted by his own judgment, would cease, at this time, to do a man's part. Now is the time for such men to stop and consider how far they will follow an irrational and un-American leadership. The workmen of Pennsylvania ought to continue at the task of production at this crisis, for a number of reasons.

It is every man's duty at this time to work as he never worked before. This is no time for men in offices or in mines or in the factories to limit the amount of work they can do. A situation is upon us all that has grown out of abnormal conditions, and I know nothing that will solve all our problems as much as constant and untiring labor. This applies to the man in the offices, mines, mills, upon the farms and in every walk of life. It is unpatriotic for any of us, yes, unworthy of our manhood, to seek to escape long and arduous hours of toil. When we all make up our minds to do this, many of the problems that now seem impossible of solution, will solve themselves.

As a matter of fact we have too many leisure hours. Men, while idle, spend money foolishly. They rush into extravagances that they would never dream of were their minds bent on their tasks and their spirits consumed in the desire to produce much. In my judgment the real solution of the problem of the high

We have pebbles all sizes. Cost less than what you are using. **DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.**



cost of living, is to work and work and produce and produce.

More than this, with our minds all bent upon our tasks, and striving each one to excell the other in our production, we will have no time to allow our minds to wander from the fundamentals of our democracy—the agitator will be passed up as a public menace, and all will be happy and contented in activity.

Our workmen ought to remember that they owe great consideration to the people of Pennsylvania. There are three parties to every labor controversy—the employer, the workman and the great consuming and paying public. The latter, in cases that involve strikes or limitations of production, is the most important party and should have the most consideration. The workmen of Pennsylvania ought to consider the interest of the public first, because of the gratitude that labor should feel toward the people of our State. Our workmen, in my judgment, are favored far beyond any group in any other State of this Nation, or any other country in the world. Millions of dollars have been spent through the instrumentalities of service created by the Legislature for the benefit of our workmen, and the burden of all these benefits has fallen upon the public, either in the form of taxation or as an added cost of production.

The Department of Labor and Industry, with its various sub-divisions, has ramified into every nook and corner of the State, the guarantees to the workmen of Pennsylvania safe and secure places of employment, insisting upon proper hygienic and sanitary conditions, and enforces the law that guarantees fair treatment and proper hours of work to the youth and to the women, as well as to the men.

The Department of Health is organized in every hamlet of the State in order to give our people who toil, the privilege of living under healthy conditions. The great public of Pennsylvania has supported the administration of the Workmen's Compensation Law, which during the last four years has taken aid and comfort at crucial times to upwards to a million injured workmen and has distributed millions in money to the dependents of those killed in industry, and to those who have been temporarily incapacitated.

A workman therefore ought to consider well, when the very industrial integrity of our country is at stake, whether he is going to so try the patience of a bountiful public, that he will lose for himself that great zeal of our people that

has heretofore been manifested for his care and comfort and for remedial legislation in behalf of the man of labor.

The right of workmen to form organizations to advance their own interests is a fundamental doctrine of human liberties, and no man ought to gain a patient audience who would seek to deny this right. The right of collective bargaining is also fundamental, and has been thoroughly established. But a patriotic workman, without a grievance in his own working establishment, ought not to be persuaded to forsake his honorable endeavors through the advice of strangers or selfish agitators who have no interest in common with the community they enter to disturb.

Because of the condition of the times, capital is invested in most precarious undertakings. The investor cannot limit the hours of his work. The professional man must stick to his task until his job is done, even if it takes him into the small hours of the morning. The lawyer must prepare his briefs when working men are asleep, and the physician cannot deny a visit to the suffering, no matter what hour of the day or night he is called.

Huge income taxes are laid upon those who venture their money in industry. They must be paid to support the government. There can be no escape from payment. There must be co-operation between employer and employe. There can be no pay envelope unless there is some profit. With false doctrine stalking broadcast over the land, with the future of organized labor at stake, with every man's patriotic duty plainly understood, with a cry of humanity going out to us all to help produce the necessities of life in order to knock down prohibitive prices, dogmas of irresponsible agitators ought to be ignored. A deaf ear ought to be turned to those who are urging men to adopt revolution and force, and all American citizens should be devoted to the task of overcoming and solving our difficulties by one common understanding, and that is—that we will work night and day without limitation as to the time and without quibble as to individual rewards.

Real friends of labor are greatly concerned as to its future. They realize that this is its day of trial. It faces self-determination. It can continue in public confidence or wreck itself upon the rocks of bad advice.

Ideals are like stars; you will not succeed in touching them with your hands, but like the seafaring man on the desert of waters, you choose them as your guides, and, following them, you reach your destiny.—Carl Schurz.

## Safety Guards

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### PERSONAL NOTES.

Guy King, who was in the Government service, has resumed the practice of architecture at 1513 Walnut street, and wants catalogues of the various building materials.

\* \* \*

Andrew J. Borzner, 717 Walnut street, will take over the practice of Frederick T. Uezzell, architect, who has moved to Fort Myers, Florida.

You know what propaganda is, don't you? You know, too, how effective a weapon it is, if used properly, don't you? Well, advertising—honest, fair advertising—is the best propaganda we know of. Join the propagandists now! Advertise in the "Builders' Guide."

All live men are advertisers, and the only man who should not advertise is the man who has nothing to offer to the world in the way of human service, and such a man is a dead one, whether he knows it or not. Advertising is a legitimate and ethical proposition. Life is too short for you to hide yourself away, mantled in your modesty, and let the world hunt you out. Even the dead are advertisers, for on visiting a beautiful cemetery the other day, I noticed that on nearly every marble slab was given a list of the virtues, talents and beautiful qualities which the dead man was supposed to have carried in stock. This is what you call non-productive advertising, or advertising from an emotional standpoint.—Elbert Hubbard.

Repetition tends to create habit, the more often we see, do or hear a thing, the quicker we are likely to be influenced by it. The consecutive appeal of a number of advertisements will develop certain memories and associations tending to overcome the natural habit of procrastination.—Making advertising pay.

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## THE GROUP HOUSE

It is only lately that Americans have been willing to give the group house a hearing. We have so long been accustomed to living in detached or single houses that they had become a part of our national life, and until recently we were prejudiced against any suggestion of housing neighboring families under the same roof. We seemed to take the position that such manners of living were somewhat degrading, and that by an adoption of the plan we would suffer an infringement of our liberties. This attitude was true not only of the household-er, but was apparently shared by the architect and the builder. He was, indeed, a brave man who ventured to suggest to a client that the group house had any advantages over the customary detached type.

Many of us were, of course, more or less acquainted with the fact that the group house has been successfully used abroad for many generations, and that in those countries there was no sentiment against the type, but we in America were slow to recognize its advantages, and until lately it had but few friends in this country.

The growing tendency in favor of the group house began to assert itself shortly after the beginning of construction on our huge industrial housing developments. Industrial housing needs were at that time so important that every effort was directed toward an attempt to conserve the time, labor and material required for the erection of houses. Many architects and builders had long recognized the fact that the group house fitted these conditions exactly and that here was an opportunity to introduce the type on a large scale. They felt that the need for houses was so great that most people would lay aside their natural prejudices and would rent or buy anything that offered adequate shelter. These architects and builders also felt that once the average family became acquainted with the group house, many of their prejudices against it would disappear. They knew also that a large number of the workers were foreigners, many of whom had been accustomed to this type of house in their native land, and that these people could be depended on to accept the group house without question.

The phenomenal growth of the apartment house idea in this country also probably assisted in paving the way for the friendly reception which the group house is receiving. People who have been accustomed to living in apartment houses together with anywhere from two to a hundred or more other families are not

apt to object to similar conditions in the group house. In fact, many people have learned to prefer having neighbors under the same roof. This is especially true of families in which the men folk must be away from home a large part of the time.

To say that the group house has received a uniformly friendly welcome throughout the country would be untrue, but the exceptions are rare, and it is fairly safe to assume that its popularity will increase rather than subside, and that more of this type will be built every year.

The group house has several advantages over the more common detached, or single house. First, it is cheaper, as one of its walls serves two houses. For the same reason, less ground space is required; it may be built in less time; requires less material, and the cost of upkeep is less than for detached houses. Group houses are also easier to heat, which results in economy in heating equipment and in fuel. One chimney in the party wall is usually sufficient, and single plumbing lines may usually be run to serve two dwellings. The total first saving usually amounts to between \$300 and \$400 for houses with masonry walls.

From a standpoint of "looks," the group house offers far greater possibilities than do small detached houses. The pill-box effect of the latter is almost always noticeable, but where several houses are combined under one roof this feeling disappears. Experienced designers have always realized this advantage of the group house.

In designing group houses to compete with detached houses, all of the above points must be considered. If the house involves joint ownership between two or more persons; that is, one person owning say one-half and another person owning the remainder, further considerations are usually required. In this case every effort should be made to reduce the possibility of friction between the joint owners. The exterior walls, roofs, and so forth, should be constructed of durable materials which require little or no attention to maintain a neat appearance. For this reason it is wise to avoid painted surfaces on the exterior wherever practicable, as they require refinishing every four or five years, and one owner's idea of the proper time or color to paint his portion of the house might not coincide with that of his neighbor.

The construction should also be as nearly fireproof as is practicable, as the fire hazard is multiplied by an amount which almost equals the number of fami-

lies living under the same roof. In any case, the party wall between two dwellings should always be built of fire-resisting materials, extending without openings, from the basement to the under side of the roof. This wall forms a fire stop and also reduces the communication of sound between the different dwellings. Hollow tile makes a fairly light construction that is efficient in these respects and is commonly used for this purpose.—*National Builder*.

## WINTER ACTIVITY IN HOME BUILDING

New Orleans, La., November.—More than 72 per cent. of the inquiries for home-building information and house plans come from prospective builders in the winter and spring months, particularly the winter months, according to a recent analysis made by the Southern Pine Association. Of 135,089 requests for building helps, 97,433 came between November 1 and May 31, and of this 97,433—17,070 came in November and 17,921 in February. The season of greatest actual building activity is, of course, during the open warm weather months, but the planning and deciding are done in the winter and early spring.

People who want to buy things do not catch the seller, chloroform him and cram the orders into his pocket.

Advertising is the proper education of the public as to where the thing can be found, and therefore it is a necessity.

We are parts and particles of each other, but a little of the kindly glue of human brotherhood is needed to fasten us together. The policeman who keeps the crossing clear, and at the same time informs us as to the location of the post office and the First National Bank, no doubt is, in one sense, an economic waste. On the other hand, he is an economic necessity. He is a necessary middleman.

He relieves the congestion of traffic and granting the hypothesis that he does not misdirect us as to the location of the post office, he speeds us on our way.

The valuable man in any business is the man who can and will co-operate with other men. The foreman who opposes the introduction of a new man into an institution and fights every innovation which he himself does not suggest, is doomed to a gradual and creeping defeat. Men succeed only as they utilize the services and ideas of other men. Co-operate!

Many a man would do a better job if he didn't know about putty.—*Ex.*



632 THE BUILDERS' GUIDE

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**Frankford Arsenal, Philadelphia. Concrete, 12 feet diameter, 200 feet high. Owners have received bids.**

**Residence and Garage, Cliveden avenue and Wissahickon Drive. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, Eugene Raymond, Penn Square Building, Philadelphia. Stone, 2½ stories, 30x60 feet, 1 story, 18x22 feet, slate roof, hardwood floors, hot water heat, electric light, tile and marble work, cement work. Plans completed. Owner is ready for sub-bids.**

**Storage Building, 885 North Taney street Philadelphia, \$20,000. Architect, private.**

**Trident's Oil, Gasoline, Brine, Etc., Etc. "TRIDENT" METERS. MORE TRIDENTS IN PHILA. THAN ANY OTHER MAKE. PHILADELPHIA METER CO., 942 Real Estate Trust Building. BOTH PHONES**

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Every owner whose name appears in the Construction News Reports of the "Builders' Guide" receives a marked copy of the current issue of BUILDERS' GUIDE.

BUILDERS' GUIDE is sent to him three times to reinforce your advertising, to co-operate with you.

The prospective owner gets his first copy of the GUIDE when his preliminary plans are on the architect's board, his second, when he is taking bids and the third when the contract is awarded. With each copy goes a letter calling the owner's

attention to the fact that his name appears in our news columns.

Thus you reach the prospective owner at the psychological time, before the material for his structure is specified. You reach him while he is more interested in building material and equipment than anything else. He is impressionable and eagerly seeks all information he can get as to how to make his building comfortable, attractive, efficient and economical.

Tell this man your story. He spends the money. Tell him your story thru BUILDERS' GUIDE, for BUILDERS' GUIDE gives advertisers advertising efficiency.

**Building News Publishing Company**  
Perry Building, Philadelphia



## THE HIGH COST OF BUILDING PIECEMEAL

Whether a saving of \$20,000 in cost of construction is a paying investment depends upon how long it will be before the entire building is needed. In other words, if a building be partly erected, with provision for future extension upwards, and the upper portion be later put on at a total cost for the entire building of \$195,000, as compared with \$175,000 estimated cost for the building erected all at once, it may be that the process of building in instalments is the better policy. The whole question hinges on how long it will be after the first section is erected before the second section is needed, and whether the carrying charges of the second section added at the time the first section is built will be greater than the saving, due to construction all at once.

In the case of a building 400 feet long, 60 feet wide and four stories high, for which estimates have been made by the Alberthaw Construction Company, Boston, Mass., this question of building in two instalments, as compared with building it all at once, has come up. The estimated cost of two stories, erected with provisions for putting two additional stories above them at a later date, figures out at about \$110,000. Of this amount no less than \$20,000 are absorbed in the heavy footings and columns necessary to carry the four-story structure, but out of all proportion for the two stories now being erected, and in the temporary roof placed above the second story, the latter to be removed when the upper portion of the building is put up.

In a certain sense, the \$20,000 excess cost of the structure now erected has to be carried without giving any return until the building is completed. If an interval of five years elapses between the building of the two sections, the carrying charge at six per cent. on this heavy substructure and the temporary roof, works out at about \$7,000 of wholly unproductive outlay. To this should be added a further item of \$20,000 difference in first cost between the \$195,000 estimated for the entire building erected in two instalments and the \$175,000 estimated for the entire building erected now. This makes \$27,000 as the charge against building in two instalments.

On the other hand, if we build the whole structure now we shall have to carry over that period of five years the difference between \$175,000, total cost of the structure, and \$110,000, estimated cost of the lower two stories, as mentioned above. This difference of \$65,000 taken at six per cent. compound interest for five years, would show carrying

charges of approximately \$22,000. It is evident from these figures that there would be a very definite saving in favor of building the whole structure now, if the period between the two halves is five years.

With a much longer period elapsing between the erection of the two sections of the building, the saving would work out in the other direction. For instance, if we take ten years as the period, the carrying charge on the extra \$65,000 due to building the two upper stories now would be about \$51,400. To offset these, the carrying charges on the \$20,000 substructure and temporary roof would be \$16,000, to which is again added the \$20,000 in first cost, making a total of \$36,000. This shows that the advantage lies with the piecemeal construction to the amount of about \$15,400.

It is thus evident that only by considering how long it will be before the added floor space is necessary can the manufacturer determine, with any assurance, which method of erection will be most advantageous to him. With industrial conditions as they are in this country today, where the demand for almost all manufactured products is far ahead of the supply, resulting in high prices, high wages and quick turnovers, the usual answer to the question as to whether it would pay to put up the whole building now will be in the affirmative, because the natural growth required of manufacturing facilities will, in most cases, be fast enough to require the added space far inside the time limit at which the piecemeal construction becomes the advantageous one to select.

When to this we add the fact that building the whole structure now makes it all available for use the moment added manufacturing or storage space becomes necessary, it is evident that this is one very good way of avoiding the cramped quarters which always result when demand on the plant's facilities overtake and largely exceed its capacity. If, therefore, there is any reasonable chance that further additional space will be required within five or six years, the far-seeing executive will decide that building the whole plant at once is the real solution of his problem.—*National Builder*.

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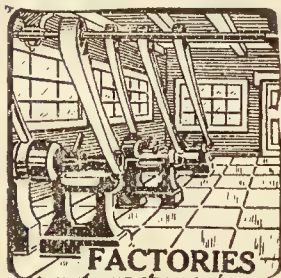
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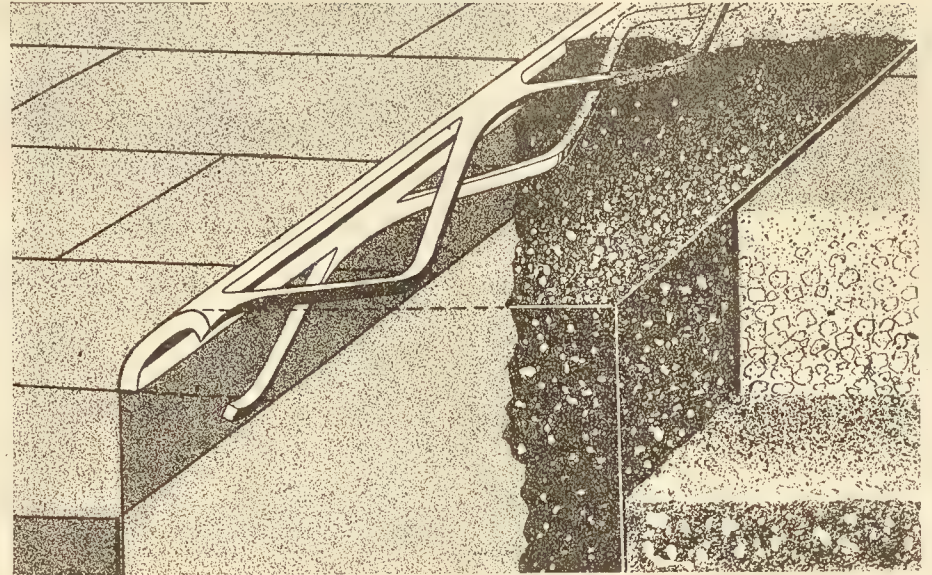
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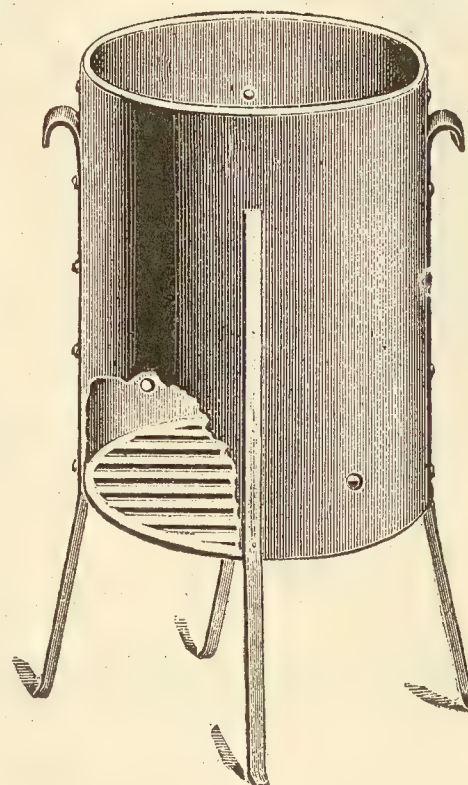
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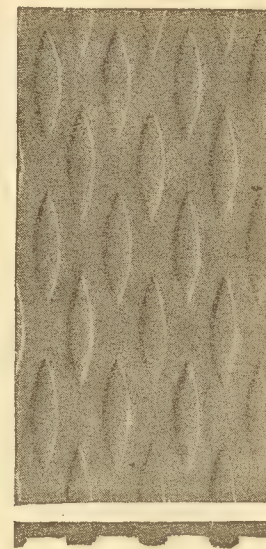
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# Builders' Guide

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Vol. XXXIV, No 49  
December 3, 1919

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors  
and the Material and Equipment Trades

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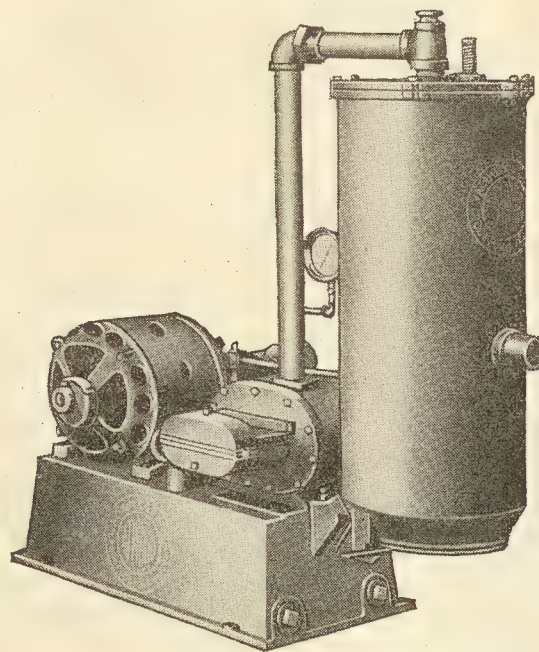
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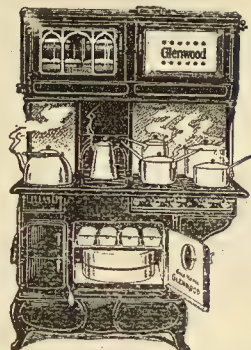
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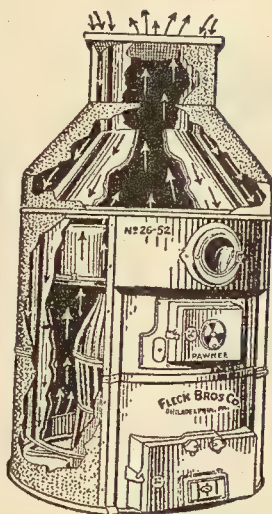


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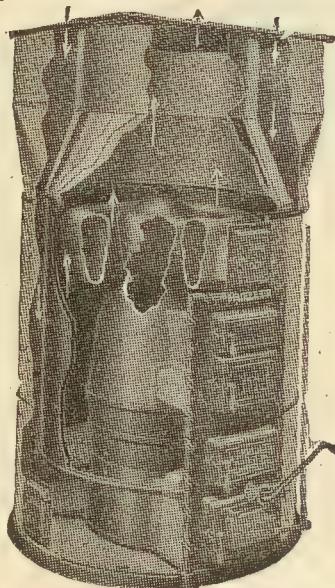
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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV

Number 49

PHILADELPHIA

December 3, 1919

## BUILDERS' GUIDE

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## As The Editor Sees It



SO much of the future depends on increased production that we cannot emphasize its importance too much at this time. It is the duty of every one to spread the gospel of greater production so that normal conditions may be established. R. D. Halton, Vice-president and General Manager of Laclede-Christy, of St. Louis, has just sent out an advertising letter with "Production" as its keynote.

"Production," writes Mr. Halton, "is this the one big solution to the present industrial crisis and to the H. C. L.? Let us analyze; let us dig up some hard, cold facts:

"First—What happens in one nation affects all others, whether it concerns money, materials, or men. The man-power of the United States is immediately governed in its quantity and its efficiency by the man-power of the world. The labor supply of the world has been diminished by seven million able-bodied men who were killed in the war, plus seven million more whose injuries have made them unavailable for labor, plus a considerable number of other millions who are still in the various armies of the world.

"Second—For five years no immigrants have entered this country from Europe, resulting in a shortage of five million laborers.

"Third—A great many of America's foreign-born who have been over here

for years are now going back with their savings to the old countries.

"And then in spite of this greatly reduced man-power, the majority of men are insisting on working fewer hours than before the war. This regardless of the fact that the demand for merchandise is far greater than the supply. Why cannot labor see that the increased cost of living can be reduced only by increasing production or decreasing consumption, and if they won't do the latter they *must do the former*.

"The whole solution of our industrial ills consists of producing more than we consume, more than our neighbors consume, and in connection with other countries more than the world consumes. Then, and then only, will prices fall, wages become stabilized, and a sane, rational, new normal price level be established.

"Now what can we do?

"First, we can all work harder and work longer, thus setting an example for those in our employ. We can preach the gospel of increased production to our workers—not by cramming the idea down their throats—but by putting the whole matter up to them clearly and sincerely, by means of weekly talks to them, by means of bulletins and house organs, by means of letters and circulars enclosed in their pay envelopes—by means of local newspaper advertising. In brief, there is need right now for a nation-

wide campaign to sell *contentment* to American labor.

"Show your men how in Germany labor is responding to the demand for production by working twelve and fourteen hours daily—how even the German Socialists are preaching that production must be forced for the workman's own good. Tell them that our own Socialist, John Spargo, says: "The first great task of any Socialist society must be to increase the productivity of labor," and that the American Federation of Labor says, "The H. C. L. can be reduced only through *intensified, increased production*."

"Second, we can improve the *quality* of production. P. L. Burkhard, an industrial engineer, estimates that the average industry today is susceptible to increased production with proportionate decreased costs of from 30 to 300 per cent. In other words, while production increased during the war, *efficiency* actually decreased, because efficiency can be calculated only in relation to cost, and the present H. C. L. is ample proof that the minimum unit cost of production has not been attained."

\* \* \*

THERE seems to be a general stoppage of production. If laborers would cease producing the dollar which goes into the pockets of the strike agitator, doubtless the altruistic interest in the welfare of the working man on the part of many a labor leader would flag.

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If such were the case the average laborer would realize the advantages to the country in general and to himself and family in particular, from speeding up of production and the consequent reduction in the H. C. of L.

\* \* \*

Some let-down in business during the fall months would have occasioned little, if any surprise, in view of the tremendous activities which carried through the entire summer. The falling off has, however, not materialized and business totals

for the month under review are larger than were expected. Sales of merchandise at both wholesale and retail are unusually active and the carriers are getting more business than they can well handle in all sections of the country. Business has gone ahead in spite of the steel strike, in spite of the coal strike, and will probably go ahead even though other threatened strikes become realities. The great majority of the people seem to realize that this is time to push hard for business and they are doing it.

leaders who take this short-sighted view are growing fewer every day. The number of contracts for new construction operations that have been let in the past few months and are due to be let in the next few weeks show that many business men are awake to the need of going full speed ahead instead of waiting for cost declines that will not come. The slower investors will be forced to trail behind their more progressive leaders and in the end will pay as high, or perhaps higher, for their postponed work, in addition to losing time and profit that a little foresight would have saved them.

A lesson learned from the war itself points the way out of the maze of uncertainty and unrest which has followed the sudden transition from war to peace. The employer, the merchant, the industrial producer, all are confident of the future, yet few dare start ahead with firm tread. The reason for the uncertainty is lack of confidence. The broad confidence which every man had in his neighbor while the war was on dwindled to a pin-point when the war emergency disappeared.

Yet here lies the opportunity for making the industrial life of the nation a better and more stable element in its welfare. If each class that is engaged in the task of restoring the country's prosperity would help revive the spirit of trust, confidence and co-operation manifested during the war, believing that their better natures should stand revealed in peace times as well as during the stress of war, a happy start would be gained toward the reconstruction of America into a better, happier, more prosperous place in which to live. The trend toward such a movement for the substitution of co-operation for competition has already shown itself, and it promises to bring business and industrial relations to a higher level than has ever been reached before.

#### ILLUSTRATED ADDRESS.

On Monday evening, December 8th, Mr. C. B. J. Snyder, architect for the Board of Education of New York City, will deliver an illustrated address as the guest of the Philadelphia Chapter of the American Institute of Architects.

His subject will relate to the various school properties of New York City. The address will be given at the T Square Club, the members of which and of the Engineers' Club are invited to attend. A cordial invitation will also be extended to the members of the local Board of Education.

For twenty years Mr. Snyder has been the architect for the New York Board of Education, and during that time he has modernized and rebuilt nearly all the school properties in different boroughs of the metropolis. He has also designed and supervised the erection of all new buildings evolving several distinct types, especially conceived to combat the intensive conditions which prevail on Manhattan Island.

## LABOR AND PRODUCTION

### Favorable Situation of American Workingman Blocks Progress of Bolshevism—Industrial Leaders Prevent Improved Conditions by Delaying Building Activities

By NOBLE FOSTER HOGGSON, President, Hoggson Brothers, Builders

The chief reason Bolshevism has failed and will continue to fail to make any headway in this country is that the American workingman, in spite of the high cost of living and other troubles, real or imagined, is the most prosperous laborer in the world. In fact, he is the representative of the most prosperous class in this country if his prosperity be estimated on a scientific basis of comparative values rather than money values, for he has made greater strides toward equalizing income and outgo than any other person in the social scale, and he alone has been able to demand and get an increase in income as soon as living costs have arisen. Business men who would postpone the resumption of industrial activities at full pressure while waiting for the wage level and other cost levels to fall, hoping by such action to force a decline in the cost of labor, are unknowingly attempting to blast holes in the dykes that are protecting our nation from all the horrors of blood-soaked Russia.

The newspapers have told us of the concerted efforts that have been made for a year or more to introduce Bolshevik doctrines and Bolshevik methods of misgovernment in this country; but the same men who were terrified six months ago by the outlook for the immediate future are agreed today that the radical doctrines of Russian extremists cannot be transplanted successfully to American soil. To some persons who know the workingmen of this country only through the utterances of a few of their more radical spokesmen, it has come as a surprise to learn that the failure of the Bolsheviks to gain a foothold has been due largely to the American workingman himself, who heard the Bolsheviks' arguments only to laugh them aside.

The average laborer in this country, even the unskilled laborer, is not an ig-

norant person. He knows that he is prosperous, and that he will continue to be prosperous if he continues to watch out for his own welfare as assiduously as he has done in the past and does not become too unreasonable in his demands; he knows that as soon as the cost of living advances his wages will advance, and that, whatever the conditions of life may be for others, he will always be able to earn a living wage. Knowing that his trades unions and his special representatives in Congress and elsewhere are capable of looking out for his welfare in the future as in the past, the American workingman is well satisfied to rely upon the machinery he has at hand without experimenting with the strange contrivances of a disturbed Europe.

Leaders of industry who are disturbed by the high labor cost of their products and who are hoping to see the cost of labor decline in the near future are to be disappointed, for the relative cost of labor will remain the same a year from today and the likelihood is that the actual cost will be higher rather than lower. Those industrial leaders who, in addition to hoping for such a decline in the wage scale, are intentionally or unintentionally helping to bring it about by deferring necessary business activities such as building operations are, as a matter of fact, unwittingly helping, instead of checking, a tendency which would give the Bolshevik the opportunity he seeks in America—they are threatening the sources of that prosperity which is today making the American workingman one of the strongest bulwarks against the Bolshevik and are undermining the workingman's confidence in the good sense and far-sightedness of his employer.

The danger that such a situation as this may be created is not, however, an imminent danger, because the industrial



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING;  
CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Filling Station**, Philadelphia, No. 3. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, Sun Oil Co., Widener Building, Philadelphia. Hollow tile and plaster, 1 story, tile roof, cement floors, hollow tile, concrete foundations, electric lighting. Plans in progress.

**Buildings (alts. and add.)**, 1430-32 Loudon street, Philadelphia. Architect, Gabriel B. Roth, Widener Building, Philadelphia. Owner, Frank Pinnelli, 4858 North Broad street, Philadelphia. Brick, 3 stories, 12x18 feet, slag roof, yellow pine floors, tile and marble work, hollow metal skylights, iron work, electric work, stone foundations (plumbing and heating reserved). Architect has received bids.

**Residence (alts. and adl.)**, Oak Lane, Philadelphia. Architects, Mills & Van Kirk, Harrison Building, Philadelphia. Owner, Captain J. G. Tawressey, U. S. N., Washington, D. C. Stone, 3 stories, 12x31 feet, and 1 story, 13x29 feet, slate roof, pine floors, stone foundations, electric light, tile work, iron work. Revised plans in progress.

**Store and Office Building**, Southwest Corner Thirty-first and Norris streets, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owners, Sagen & Sopenoff, Seventh and Morris streets, Philadelphia. Brick, 2 stories, 17x65 feet, slag roof, cornice, hot water heat, electric light, tile and marble work, flush bulks, metal ceilings, hardwood floors, mill work. Owner ready for bids.

**Store and Dwelling**, 1834 South Seventh street, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, J. Milner, 1733 South Seventh street, Philadelphia. Brick, 2 stories, 18x75 feet, slag roof, tile roof, hardwood floors, hot water heat, electric light, marble work, plumbing, hollow metal sash, flush bulks. Owners will take sub-bids.

**Bank Building**, Sixtieth and Ludlow streets, Philadelphia. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Mutual Trust Co., care of S. F. Scattergood, President, Bourse Building. Stone, granite, steel and concrete, 2 stories, 100x23 feet, slag roof, metal lath, hollow tile, hollow metal sash, iron stairs and work, metal weather strips (plumbing, heating, tile work, electric work, floors and terrazzo work reserved). Revised plans in progress.

**Residences (12)**, (4) Broad street and Fishers avenue, (4) Fifteenth and Somerville avenue, and (4) Fifteenth and Fishers avenue, Philadelphia, \$100,000. Architect, private plans. Owner, Robert D. Hamilton, Godfrey and Tabor road, Philadelphia. Brick, 3 stories, 16 feet 4 inches x47 feet, 20x27 feet, 16½x18 feet and 18½x16 feet, 24x27 feet, and 18x17 feet 5 inches, hot water heating. Owner will build.

**Residences (2)**, Hellerman street, West of

Rising Sun Lane, \$7,000. Architect, private plans. Owner, B. Gersenstein, 1931 South Fifth street, Philadelphia. Brick, 2 stories, 14 feet 4 inches x40 feet and 14 feet 4 inches x8 feet, hot water heating. Owner will build.

**Building (add.)**, 2411 Norris street, Philadelphia. Architect, private plans. Owner, Standard Dental Mfg. Co., Twenty-fifth and Diamond streets, Philadelphia. Reinforced concrete, 1 story, 36x25 feet, stone foundations, slag roof, concrete floors, iron work (heating and electric work reserved). Owners have received bids.

**Store Building (alts. and add.)**, 1225 Chestnut street, Philadelphia. Architect, LeRoy B. Rothschild, 1225 Sansom street, Philadelphia. Owners, The Talking Machine Co., 143 South Broad street, Philadelphia. Patching roof, hardware, painting, glazing, plumbing, changing heating, electric lighting, tile and marble work, iron work, maple and composition floors, metal lath, elevators. Architect has received bids.

**Dumbwaiter Shaft**, Darien and Noble streets, Philadelphia. Architect, Frank E. Hahn, Denckla Building, Philadelphia. Owner, S. Rosenau & Co., Darien and Noble streets, Philadelphia. 5 stories, iron work, rolled steel skylights, carpentry, painting, hardware, metal lath, plastering. Architect has received bids.

**Show Rooms, Service and Office Building**, Southeast Corner Broad and Cherry streets. Architects, Rouse & Goldstone, 512 Fifth avenue, New York City. Owner, The Sweeten Automobile Co., 3430 Chestnut street. Remodeling of entire building, 10 stories. Plans in progress.

**Residence (alts.) to Store and Apartments (2)**, 39 North Fifty-second street. Architect, E. Allen Wilson, 1218 Chestnut street, Philadelphia. Owner, J. Donovan, 36 South Delaware avenue, Philadelphia. Brick, third story add., stone foundations, hot water heating, electric lighting, tile work, pine floors. Architect taking bids due as soon as possible. LeRoy K. Smith, Forty-first and Chester avenue; J. D. Fisher, 5424 Thompson street; Samuel J. Rea & Son, 1608 Fairmount avenue; Smith-Hardican Co., 1606 Cherry street, and Clark & Co., 11 South Fifty-second street, are figuring.

**Store Building (alts.)**, 1508-10 South street, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, A. Sternberg, 1234 Market street, Philadelphia. Interior alterations. Plans in progress. Will be ready for bids in one month.

**Residence**, Westview street, Germantown. Architect, Addison H. Savery, Stephen Girard Building, Philadelphia. Owner, Charles W. Potts, 111 East Cliveden street, Germantown. Stone and frame, 2½ stories, 32x51 feet. Plans in progress. Too early for details.

**Synagogue and Class Rooms**, Twelfth and

Spencer streets, Fern Rock, Philadelphia. Architect, Edwin L. Rothschild, 1011 Chestnut street, Philadelphia. Owners, Hebrew Orphan Home, Fern Rock, Philadelphia. Stone, 2 stories, 35x65 feet, maple and hardwood floors, metal lath, plastering, stone foundations, electric lighting, tile work, mill work, ventilators, stained glass. Architect will be ready for bids in one week.

**Residence (alts. and add.)**, Magnolia avenue and Church lane, Germantown. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, Charles Peberdy, on premises. Brick and stone, 2½ stories, 15x34 feet, slate roof, parquet and pine floors, tile and marble work, metal lath, iron work, stone foundations. Architect taking revised bids due December 6th. George W. Whitner, 403 East Penn street, Germantown; Samuel Harting, 20 East Johnson street; Wills-Ludwick Co., 1708 Sansom street; Delaware County Const. Co., Clifton Heights, Pa., and Thomas C. Trafford, 1613 Sansom street, are figuring.

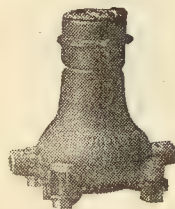
**Garages (9)**, Pleasant and Musgrave streets, Germantown. Architect, J. P. Tyrrell, 3329 Krail street. Owner, Fred Eisbrenner, 102 Midvale avenue, East Falls, Philadelphia. Brick, 1 story, 9x18 feet, rubberoid roof, cement floors, stone foundations, hot water heating, electric lighting. Owner is taking bids, due as soon as possible. Tourison & Tourison, 1001 Chestnut street, are figuring.

**Auto Sales and Service Building**, Twenty-fifth and Parkway, Philadelphia, \$500,000. Architect, Charles E. Oelschlager, 1615 Walnut street, Philadelphia. Owners, Neel-Cadillac Co., Percy L. Neel, president, 144 North Broad street. Brick, steel and concrete, 10 stories, slag roof, concrete floors, hollow tile, metal lath, elevators, steam heating, electric light, tile and marble work, rolled steel sash. Plans in progress.

**Store Building (alts.)**, 1010 Chestnut street, Philadelphia. Architect, David B. Bassett, Perry Building, Philadelphia. Owner, Shaw Walker Co., Washington, D. C. Brick and steel, brick and stone work, carpentry, mill work, kalamein doors, metal sash, repairing roof, painting, glazing, electric work, steel and iron work, steam heating. Architect has received bids.

**Residence (alts.)**, 2021 Delancey Place, Philadelphia. Architect, Mantle Fielding, 520 Walnut street, Philadelphia. Owner, S. L. Shober, on premises. Plumbing, heating repairs, electric lighting, plastering, tile work, hardware, roof repairs, brick work. Architect taking bids, due December 5th. Joseph Price, Twenty-first and Rittenhouse streets; Wm. J. Gruhler Co., 219 East High street; F. L. Hoover & Son, 1023 Cherry street, and E. C. Clark, care of architect, are figuring.

**Garage (add.)**, 1524 Unity street, Frankford, Philadelphia. Architect, private plans. Owners, Frankford Grocery Co., on premises.



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Seeburger, 1524 Chestnut street, Philadelphia. Owner, Mrs. Laura E. Mackie, care of Brick, 1 story, 23x76 feet, slag roof, cement floors, roof ventilators, hollow metal skylights, stone foundations. Owners taking bids, due as soon as possible. Barclay White & Co., 1713 Sansom street, is figuring.

**Residences (2) (alts. and add.) 1 to Apartment House**, 1609-11 Erie avenue. Architect, Edwin L. Rothschild, 1011 Chestnut street, Philadelphia. Owner, Isaac Leblang, 3644 North Broad street, Philadelphia. General alterations and addition, new lighting and heating, tile and marble work, hardwood floors, changing partitions. Plans in progress.

**Residences (4)**, Overbrook, Philadelphia. Architect, Frank Seeburger, 1524 Chestnut street, Philadelphia. Owner, T. F. Reilly, Fiftieth and City Line, Philadelphia. Stone, 2½ stories, 25x60 feet, slate roof, oak floors, stone foundations, hot water heating, electric lighting, tile and marble work. Owner will be ready for sub-bids in three weeks.

**Residence**, Wynnefeld avenue and Fifty-fourth street, Philadelphia. Architect, Frank

architect. Stone, 2½ stories, 28x45 feet, slate roof, oak and pine floors, metal lath, stone foundations, electric lighting, tile work (heating and plumbing reserved). Architect taking bids, due December 8th. John E. Kearney, 34 South Seventeenth street; Herbert G. Campion, Otis Building; Milton W. Young, Overbrook, Pa., and Chas. C. Pace, Merion, Pa., are figuring.

**Store Building**, 1229 Market street, Philadelphia. Architect, David B. Bassett, 420 Perry Building, Philadelphia. Owners, Sordlo Corporation, care of architect. Reinforced concrete and steel, 3 stories, 21x176 feet. Preliminary plans in progress.

**Hospital (alts.)**, Thirty-ninth street, south of Powelton avenue, \$27,000. Architect, private plans. Owners, Presbyterian Hospital, on premises. Elevator. Owners will build.

**Residence (add.)**, 2213 Green street, Philadelphia, \$4,000. Architect, private plans. Owner, Marcus Mazet, on premises. Brick and mansard, fourth story addition, 17x38 feet and 10x18 feet. Owner will build.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Business Building (int. alts.)**, Fortieth and Filbert streets, \$12,000. Architects, Druckenniller & Williams, 1527 Chestnut street, Philadelphia. Owner, A. C. Barnes, on premises. Brick work, iron work, carpentry, mill work, glazing, plastering, tile work, metal weather strip, metal lath. Contract awarded to Thomas C. Trafford, 1613 Sansom street, Philadelphia.

**Bank (alts. and add.)**, 22 and 24 South Third street, Philadelphia. Architect, Arnold Miller, 1727 Bristol street, Philadelphia. Owner, Citizens' National Bank, care of builder. Brick and concrete, slag roof, composition floors, hot air heating, electric lighting, marble work. Contract awarded to Standard Const. Co., 1713 Sansom street, Philadelphia.

**Garage**, 1220-22 Kater street, Philadelphia, \$4,500. Architect, private plans. Owners, J. Bloom & Son, 1211 Bainbridge street, Philadelphia. Brick, 1 story, 30x60 feet, slag roof, cement floor, electric lighting. Contract awarded to Mackle-McClelland Const. Co., Drexel Building.

**Store and Dwelling (alts. and add.)**, 1834 South Seventh street, Philadelphia, \$4,000.

Architect, private plans. Owner, J. Milner, on premises. Brick, 2 stories, 12x39 feet, electric wiring, hot water heating. Contract awarded to L. Swerdloff, 228 South Fifty-ninth street, Philadelphia.

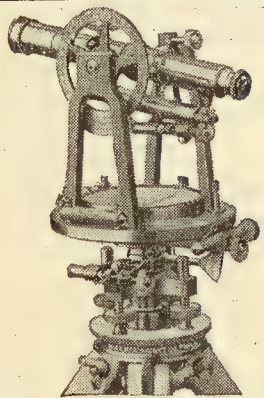
**Dwelling (alts. to office building)**, 1618 Latimer street, \$2,500. Architect, Edmund B. Gilchrist, 1627 Sansom street, Philadelphia. Owner, Edmund B. Gilchrist, 1627 Sansom street, Philadelphia. Interior alterations, plumbing, hot air heating, electric lighting. Contract awarded to Wilbert O. Springer, 1624 Latimer street, Philadelphia.

**Garage**, 6206 Germantown avenue, Philadelphia. Architect, private plans. Owners, Thomas F. Hutchinson, on premises. Brick, 1 story, 20x49 feet, slag roof, cement floors, electric lighting. Contract awarded to Samuel Harting, 20 East Johnson street.

**Warehouse (alts.)**, 427 Market street, Philadelphia. Architect, private plans. Owner, Harford Co., 309 Market street, Philadelphia. Alterations. Contract awarded to William Easterbrook, 146 North Fourth street, Philadelphia.

**Garage**, 7219 Woodland avenue, Philadelphia, \$15,000. Architect, private plans. Owner, John S. Kane, Seventy-third and Woodland avenue, Philadelphia. Brick, 1 story, 50x150 feet, slag roof, cement floors. Contract awarded to Frank Hall, Seventy-first and Greenway avenue, Philadelphia.

**Factory and add. to Office Building**, State Road, Wissinoming, Philadelphia, \$50,000. Architect, private plans. Owners, Tabor Manufacturing Co., Wissinoming, Philadelphia. Concrete and steel, 1 story, 89x100 feet, concrete roof, cement floors, metal lath, stone foundations, steam heating, electric lighting, rolled steel sash, rolled steel skylights, iron



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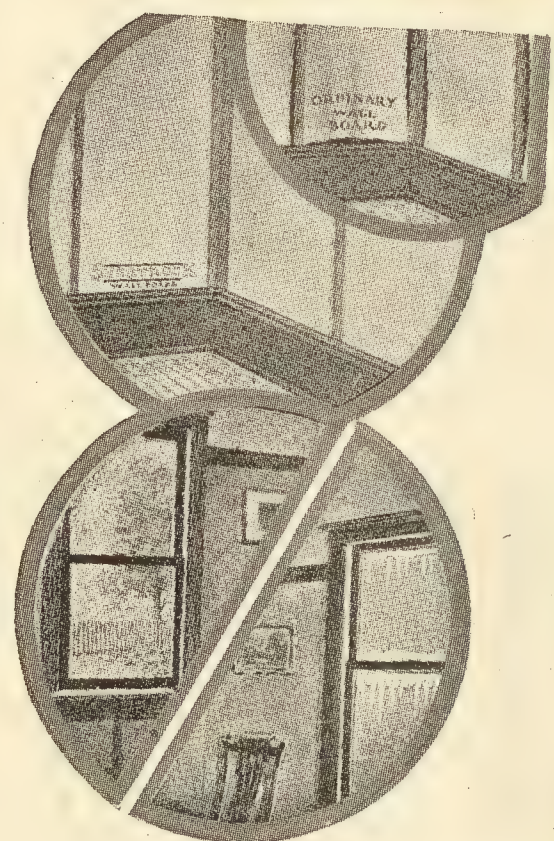
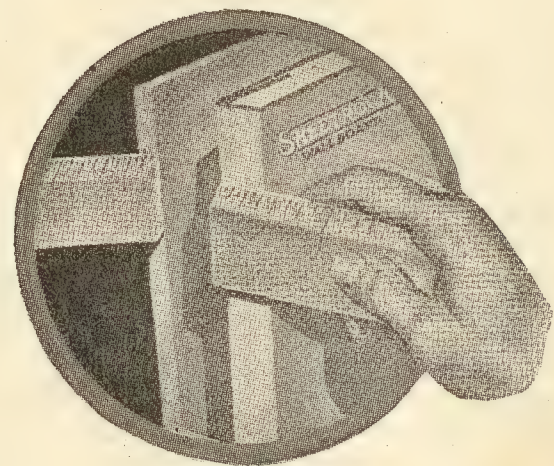
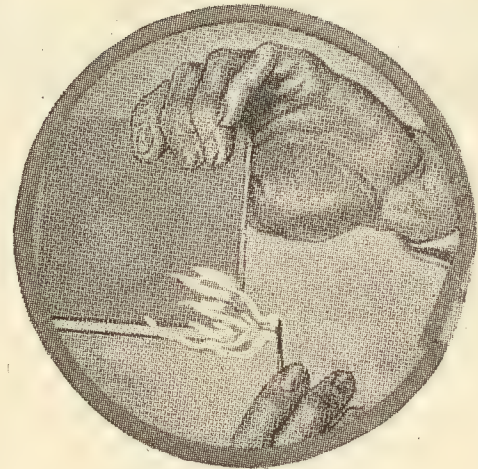
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work. Contract awarded to John N. Gill & Co., Otis Building.

**Ice House**, Trenton avenue and Huntingdon street, Philadelphia. Architect, William Koelle Co., Twenty-sixth and Oxford streets, Philadelphia. Owners, Kensington Hygeia Ice Co., on premises. Brick and steel, 1 story, 50x164 feet, slag roof, stone foundations, cement floors, waterproofing, iron work (electric work reserved). Contract awarded to P. Haibach Cont. Co., Twenty-sixth and Thompson streets.

**Drug Store**, West side Thompson street, North of Lefevre street, \$45,000. Architect, private plans. Owner, John Gusin, 4510 Mercer street, Philadelphia. Brick, 2 stories, 16x47 feet, hot air heating, electric lighting. Contract awarded to Lewis Ahlers, Jr., 4433 Salmon street, Philadelphia.

**Store (alts.)**, Southeast Corner Broad and Walnut streets, Philadelphia, \$15,000. Architect, private plans. Owner, P. A. B. Widener, Land Title Building, Philadelphia. Hotel alterations to store. Contract awarded to George F. Payne Co., 401 South Juniper street, Philadelphia.

**Residence**, Bensalem avenue and Hoffnagle street, Philadelphia, \$4,500. Architect, private plans. Owner, Albert Cornell, Rhaun street and Boulevard, Philadelphia. Brick and mansard, 3 stories, 16 feet 4 inches x45 feet, hot air heating. Contract awarded to Charles F. Bartberger, 1621 Brill street, Philadelphia.

**Building (alts.)**, 1033 Master street, Philadelphia, \$3,200. Architect, private plans. Owner, R. D. Biaso & Co., 1035 Master street, Philadelphia. General interior alterations. Contract awarded to George H. Evans, 45 North Thirteenth street, Philadelphia.

**Garage**, West side Prospect street, South of New street, Philadelphia, \$2,500. Architect, private plans. Owner, Gucker Bros.,

on premises. Brick, 1 story, 22 feet 2 inches x45 feet, slag roof, cement floors. Contract awarded to Pringle Borthwick, 8018 Germantown avenue.

**Garage (add.)**, 4521 Chestnut street, Philadelphia, \$10,000. Architect, private plans. Owner, Mrs. O. R. McHenry, on premises. Brick, 1 story, 50x95 feet, slag roof, cement floors, stone foundations, electric lighting, iron work. Contract awarded to J. D. Fisher, 5424 Thompson street, Philadelphia.

**Residence (alts. and add.)**, Harvey and Greene streets, Germantown. Architect, H. L. Duhring, 1218 Chestnut street, Philadelphia. Owner, Cheney M. Stinson, on premises. General interior alterations. Contract awarded to James Reilley & Son, Mt. Airy, Philadelphia.

**Manufacturing Building - (alts. and add.)**, Third and Dauphin streets. Architect, private plans. Owners, Enterprise Manufacturing Co., Third and Dauphin streets, Philadelphia. Brick, terra cotta, steel, 3 stories, 36x115 feet, slag roof, terrazzo, mosaic and concrete floors, safety treads, hollow metal skylights, kalamein doors, safety treads, iron work, stone foundations, marble work. Contract awarded to Wm. Steel & Sons Co., Six-

teenth and Arch streets, Philadelphia, who are taking sub-bids.

**Factory**, Germantown avenue and Pastorious street, \$75,000. Architect, private plans. Owners, Jas. R. Kendrick Co., on premises. Brick, 4 stories, 61 and 50 feet x 125 feet, steam heating. Contract awarded to R. M. Peterson & Son, 5114 Germantown avenue.

**Office (alts.)**, northwest corner of Seventeenth and Arch streets, \$30,000. Architect, private plans. Owners, Bell Telephone Co., on premises. General alterations. Contract awarded to F. L. Hoover & Sons, 1023 Cherry street, Philadelphia.

**Store and Residence (alts.)**, 2803-05 Kensington avenue, \$4,000. Architect, private plans. Owner, Wm. Cliff, on premises. General alterations. Contract awarded to Walter Lewis, 1835 Market street, Philadelphia.

**Storage Building (add.)**, Palethorpe street, south of Westmoreland street, \$2,500. Architect, private plans. Owner, Thos. F. Brown, Second and Westmoreland streets. Iron, 1 story, irregular size. Contract awarded to Wm. Steele & Sons Co., 1600 Arch street, Philadelphia.

## PENNSYLVANIA

## Construction News

**Stores (2)**, Norwood, Pa. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, Leonard B. Botfield, 6120 Columbia avenue. Brick, 1 story, 40x50 feet, slag roof, pine floors, stone foundations, electric lighting (heating reserved), parquet floors. Owner is ready for sub-bids.

**Apartment House**, Sharon Hill, Pa. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, Oliver S. Keely, 4370 Main street, Manayunk, Philadelphia. Brick, 3 stories, slag roof, hardwood floors, stone foundations, electric lighting. Plans in progress. Will be ready for bids in a week.

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Theatre, Stores and Dance Hall, Chester, Pa. Architect, H. Childs Hodgins, 130 South Fifteenth street, Philadelphia. Owner, Nixon Theatre, Chester, Pa. Brick, stone, steel and terra cotta, 2 stories, 85x150 feet, slag roof, maple floors, metal lath, roof ventilators, waterproofing, fire escapes, iron work, kalamein doors, tile, marble and terrazzo work, stone foundations (electric lighting, plumbing and heating reserved). Architect taking bids due December 8th at noon. John M. Yardley, 1716 Sansom street; J. Sims Wilson Co., 1125 Brown street; R. C. Ballinger & Co., 218 North Thirteenth street, Philadelphia, and R. H. Scroggins Co., Chester, Pa.; John R. Wiggins Co., Otis Building; Frank G. Stewart, 1519 Sansom street, and Ketcham & McQuade, 1029 Brown street, are figuring.

**Church, Sunday School and Parsonage,** Ninth and Butler streets, Chester, Pa. \$100,000. Architect, Clarence Brazer, Crozer Building, Chester, Pa. Owner, Methodist Episcopal Church, care of Rev. C. Lee Gaul, 320 Kerlin street, Chester, Pa. Stone, 1 story and balcony, 80x130 feet, stone foundations, slate roof, vapor vacuum heat, electric light, tile and marble work. Plans in progress.

**Lodge,** Ninth and Welsh streets, Chester, Pa., \$75,000. Architect, Clarence Brazer, Crozer Building, Chester, Pa. Owner, Knights of Columbus, Thomas Feeley, care of architect. Stone, brick and terra cotta, 3 stories, 60x60 feet, stone foundations, tile roof, hardwood floors, electric light, tile, marble and terrazzo work, elevators, roof ventilators. Architect taking bids. William Provost, Jr., 1226 Walnut street; Scroggins Company, Crozer Building, both of Chester, Pa.; Chester Const. Co., Otis Building, Philadelphia, are figuring.

**Store and Apartment (alt. and add.),** 531-33 Market street, Chester, Pa. Architect,

Clarence Brazer, Crozer Building, Chester, Pa. Owner, Henry C. Cochrane Estate, care of architect. Brick, 1 story, 40x60 feet, stone foundations, slag roof, wood floors, electric lighting, interior alterations for apartment, hollow metal skylights. Architect has received bids.

**Filling Stations (2),** Marcus Hook, Pa., and Chester, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, Sun Oil Co., Widener Building, Philadelphia. Hollow tile and plaster, 1 story, tie roof, cement floors, concrete foundations, electric lighting. Plans in progress.

**Gardener's Cottage,** Elkins Park, Pa. Architects, Martin & Kirkpatrick, 130 South Sixteenth street, Philadelphia. Owner, George Elkins, Jr., Elkins Park, Pa. Stone, 2 stories, 20x32 feet, tile roof, pine floors, stone foundations, hot water heating, electric light, iron work. Architects taking bids due December 3rd. William J. Gruhler, 219 East High street; E. Allen Reeves, Abington, Pa., and J. Sims Wilson, 1125 Brown street, are figuring.

**Tribute House,** Merion, Pa., \$150,000. Architect, Walter T. Karcher, 34 South Seventeenth street, Philadelphia. Owners, Merion Civic Association, care of Joseph McCall, Chairman of Building Committee, 1000 Chestnut street, Philadelphia. Brick. Plans in progress.

**Residence,** Kirklyn, Pa. Architects, Mills & Van Kirk, Harrison Building, Philadelphia. Owner, Charles F. Kolb, West End Trust Building, Philadelphia. Brick and stucco, 2½ stories, 31x36 feet, wing 8x14 feet, shingle roof, hardwood floors, stone foundation, vapor heating, electric lighting, tile and marble work. Plans in progress. Architects will take bids in one week.

**Bungalow,** Swarthmore, Pa. Architects,

Mills & Van Kirk, Harrison Building, Philadelphia. Owner, Walter J. Smith, 1215 South Fifty-eighth street, Philadelphia. Hollow tile and stucco, 2 stories, 28x37 feet, 2 porches, 10x14 feet, shingle roof, oak floors, hollow tile, vapor heating, electric lighting, tile and marble work. Plans in progress. Architects will take bids in one week.

**Post Office (add.),** West Chester, Pa. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owner, United States Government Treasury Department, Washington, D. C. Extension to mailing vestibule and new driveway. Owners ready for bids due December 26th, 1919.

**Road Work,** various locations, Pennsylvania. Architect, private plans. Owner, State of Pennsylvania, care of Lewis S. Sadler, State Highway Commissioner, Capitol Building, Harrisburg, Pa. Owners ready for bids due December 16th, 1919, on the following roads:

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Beaver County, Appli. 340, North Sewickley Township, length 5,443 feet. One course reinforced concrete. Certified check \$1,000.

Beaver County, Appli. 455 and 431, Daugherty and New Sewickley Townships, length 13,592 feet. One course reinforced concrete and Hillside vitrified brick. Certified check \$2,000.

Beaver County, Route 78, Rochester and Daugherty Townships, length 12,062 feet. One course reinforced concrete and Hillside vitrified brick. \$2,000.

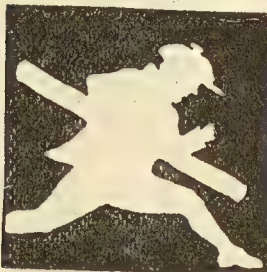
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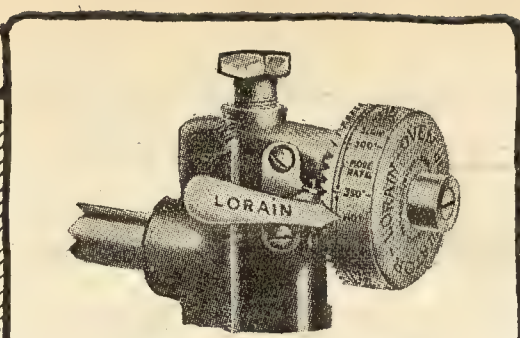






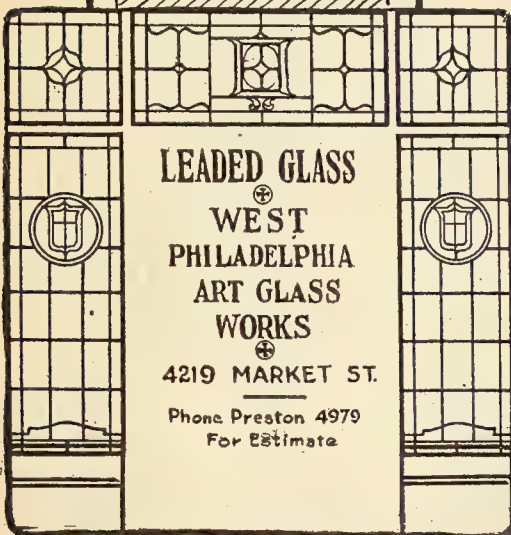
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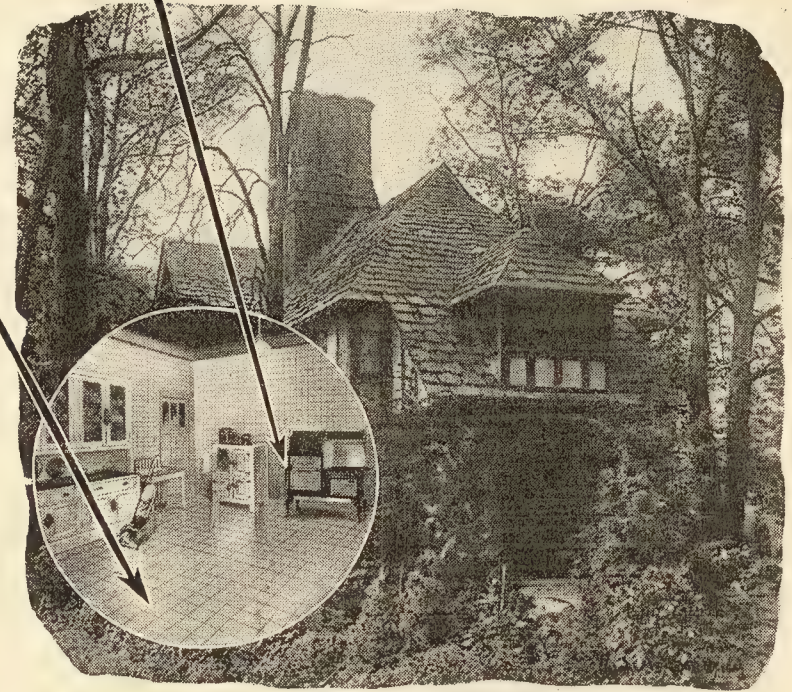


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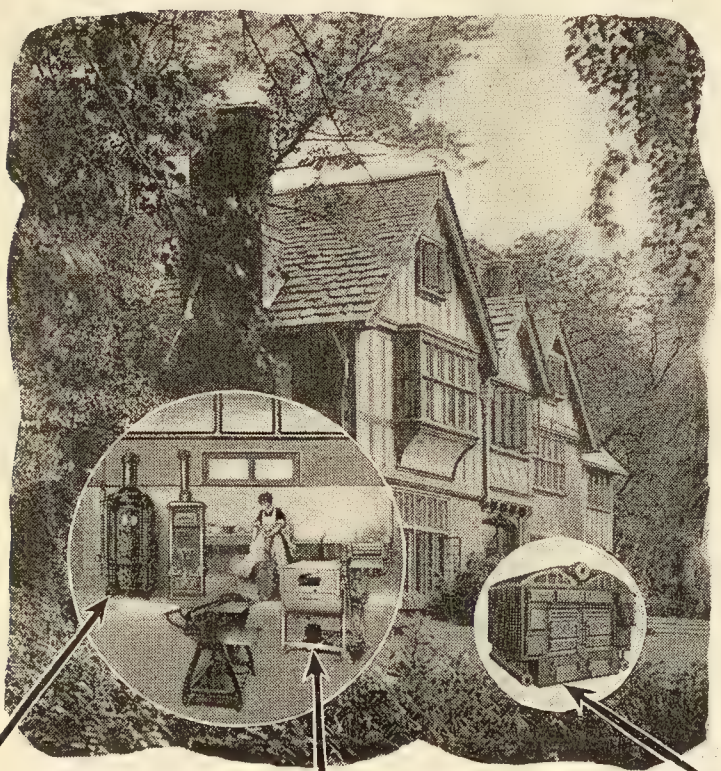
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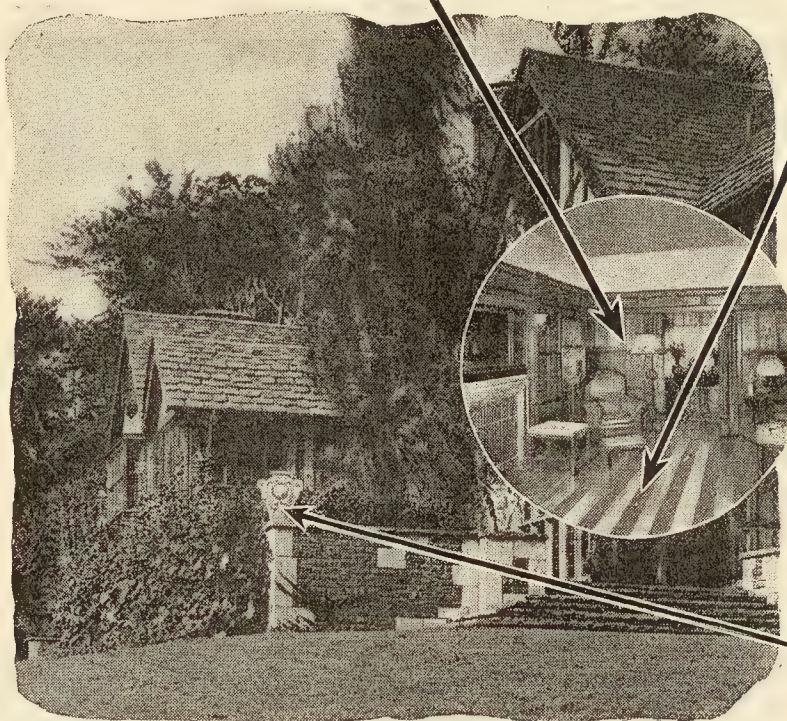
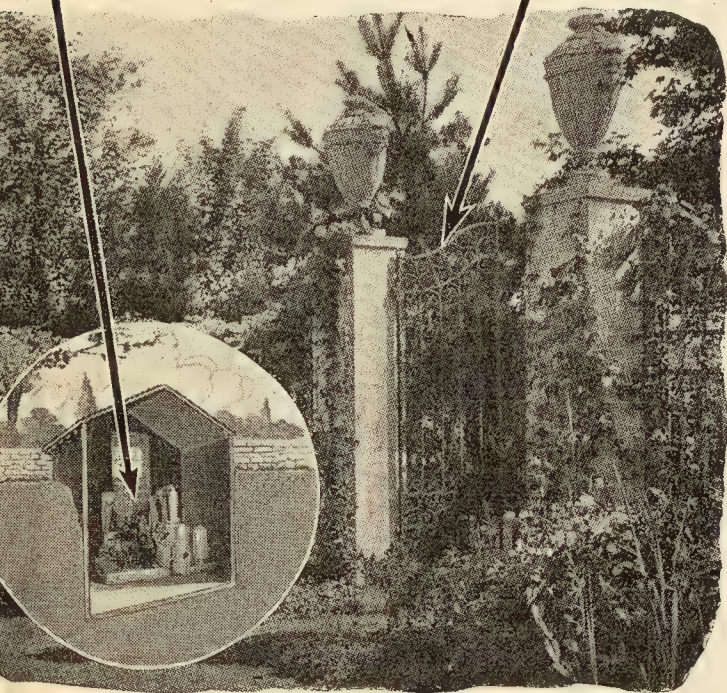
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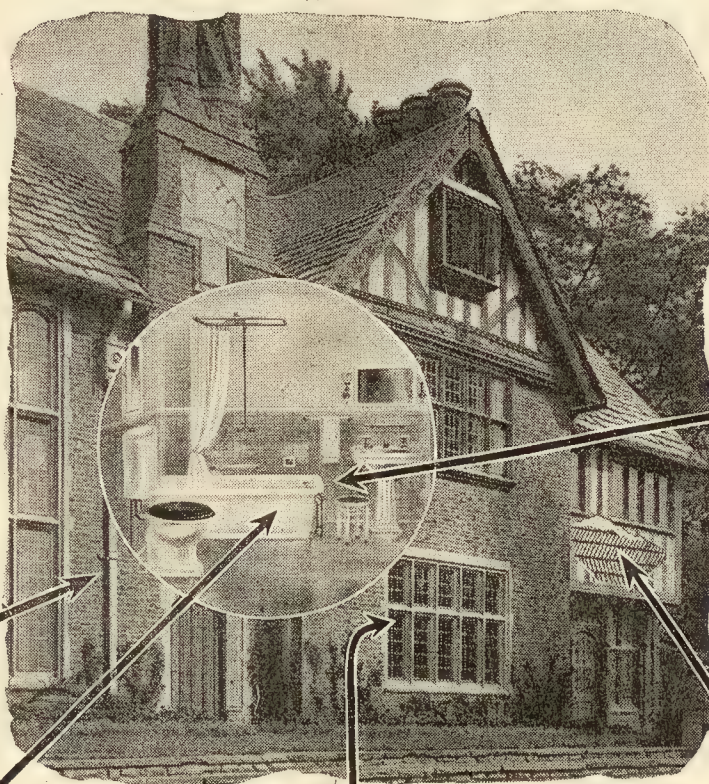


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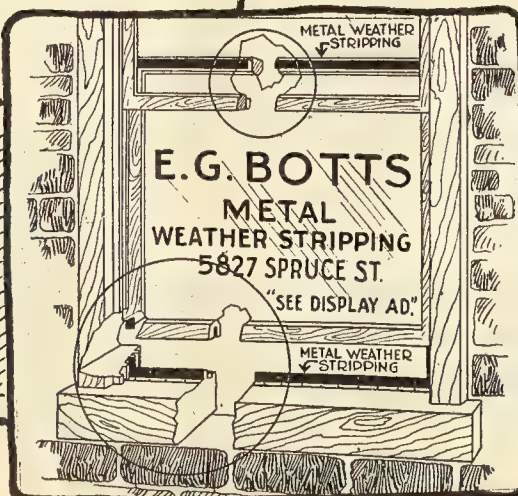
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Save at least 25% of your coal.

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Estimates Furnished

Belmont 4380

Agent

**E. G. BOTTS - 5208 Chest. St., Phila.****Frank Pettit Ornamental Iron Works**Manufacturers of High Grade Iron Work. Builders' Iron, Stairs,  
Railings, etc., Wrought Iron Gates and Fencing, Pipe Work  
of all Kinds—Bent and Plain, Forgings and Special Iron Work.

805-7-9 MASTER STREET, PHILADELPHIA

Kensington 6652

Park 35

**Plans or No Plans**There are two classes of builders who need the help  
of a strong, modern lumber centre,—those who have  
planned their operations well, and those who haven't.If you have planned well, you will need a strong  
organization to help carry out your plans. The best is  
none too good. In big building operations, all of our  
experience and resources, including the powerful aid  
of our Traffic Department, are constantly required.But if you have *not* been able to make careful plans;  
if you are forced to build hastily and under pressure,  
then only an uncommonly strong organization will en-  
able you to accomplish your purpose. When you need  
unusual stocks or service that you have no right to  
expect, then the resources of the LLOYD organization  
will often save the day for you.Some day you'll build. If you want the work finished  
on time, see that the lumber comes from LLOYD.**WILLIAM M. LLOYD COMPANY**

Established 1868

29th and Ridge Avenue

PHILADELPHIA

length 5,200 feet. One course reinforced con-  
crete. Certified check \$1,000.Berks County, Route 284 and Appli. 1031,  
Earl and Amity, Colebrookdale and Oley  
Townships, length 29,100 feet. One course  
reinforced concrete. Certified check \$4,000.Berks County, Route 141, Tilden and Up-  
per Bern Townships, length 14,850 feet. One  
course reinforced concrete. Certified check  
\$2,500.Butler County, Route 309, Adams and For-  
ward Townships, length 28,188 feet. One  
course reinforced concrete. Certified check  
\$3,500.Butler County, Route 251, Fairview Town-  
ship, length 16,133 feet. One course reinforced  
concrete. Certified check \$3,000.Butler County, Route 78, Conoquessing and  
Butler Townships, length 31,663 feet. One  
course reinforced concrete. Certified check  
\$4,000.Carbon County, Appli. 1012, Lehigh Town-  
ship, length 23,420 feet. One course rein-  
forced concrete. Certified check \$3,500.Centre County, Route 27, Bellefonte Bor-  
ough, length 1,720 feet. One course rein-  
forced concrete. Certified check \$1,000.Centre County, Route 56, State College  
Borough, length 5,326 feet. Citrified brick.  
Certified check \$1,500.Chester County, Appli. 650, London Brit-  
ian Township, length 11,523 feet. One course  
reinforced concrete. Certified check \$1,500.Clearfield County, Route 57, Wallacetown  
Borough, Boggs and Bradford Townships,  
length 39,911 feet. One course reinforced con-  
crete. Check \$4,800.Crawford County, Route 89, East Mead  
Township, length 18,514 feet. One course re-  
inforced concrete and Hillside vitrified brick.  
Certified check \$3,000.Delaware County, Appli. 717, Thornbury  
Township, length 10,700 feet. One course re-  
inforced concrete. Certified check \$1,500.Elk County, Route 97, Ridgway Borough,  
length 7,543 feet. One course reinforced con-  
crete. Certified check \$1,500.Elk County, Route 99, St. Mary's Borough,  
length 3,169 feet. One course reinforced con-  
crete. Certified check \$1,000.Elk County, Route 59, Horton and Ridg-  
way Townships, length 25,563 feet. One  
course reinforced concrete. Certified check  
\$4,000.Erie County, Auth. 398, Mill Creek Town-  
ship, length 10,600 feet. One course reinforc-  
ed concrete. Certified check \$2,000.Erie County, Route 295, Girard Township  
and Platea Borough, length 21,268 feet. One  
course reinforced concrete. Certified check  
\$4,000.Erie County, Route 88, Greene Township,  
length 21,109 feet. One course reinforced  
concrete. Certified check \$4,000.Fayette County, Appli. 874, Fayette City  
Borough, length 960 feet. One course rein-  
forced concrete. Certified check \$500.Fayette County, Route 117, Bullskin and  
Upper Tyrone Township, length 9,424 feet.  
One course reinforced concrete. Certified  
check \$1,500.Fayette County, Route 363, Henry Clay  
Township, length 5,475 feet. One course re-  
inforced concrete. Certified check \$1,000.Fayette County, Route 117, Dunbar Town-  
ship, length 20,995 feet. One course rein-  
forced concrete and Hillside vitrified brick.  
Certified check \$3,500.Fayette County, Appli. 1022, German Town-  
ship, length 4,889 feet. One course rein-Building Lime—Buy pure lime, no core, no grit—Chemical Lime. **DAVID FRANCE CO.,**  
Tasker Street Wharf, Delaware River, Phila. Both 'phones.



# Barrett Specification Roofs

## 20 Years of Service Guaranteed—

IN the old days buying a roof very often proved to be something of a gamble.

Maybe you got just what you specified, and maybe not.

The cost per square foot was too often taken as the only standard of value—frequently to the owner's subsequent sorrow.

*Today all this is changed.*

It was the Barrett Specification which first made it possible for building owners everywhere to obtain, through their local contractors, a *standardized roof*, worked out by roofing engineers and based on scientific principles of modern roof construction.

Today we offer to *guarantee* Barrett Specification Roofs for a period of *20 years!*

This guaranty is obtainable on any roof of 50 squares or more, in any

town of 25,000 population or over, and in smaller places where our Inspection Service is available.

It is a Surety Bond, issued by the U. S. Fidelity & Guaranty Company, of Baltimore.

To obtain this Surety Bond you have only to insert in your building Specifications the following:

"The roof shall be laid according to The Barrett Specification dated May 1, 1916, and the roofing contractor shall secure for me (or us) the 20-Year Guaranty Bond therein mentioned."

The guaranty costs you nothing. We merely require that the roofing contractor be approved by us and that we be given an opportunity to inspect the construction.

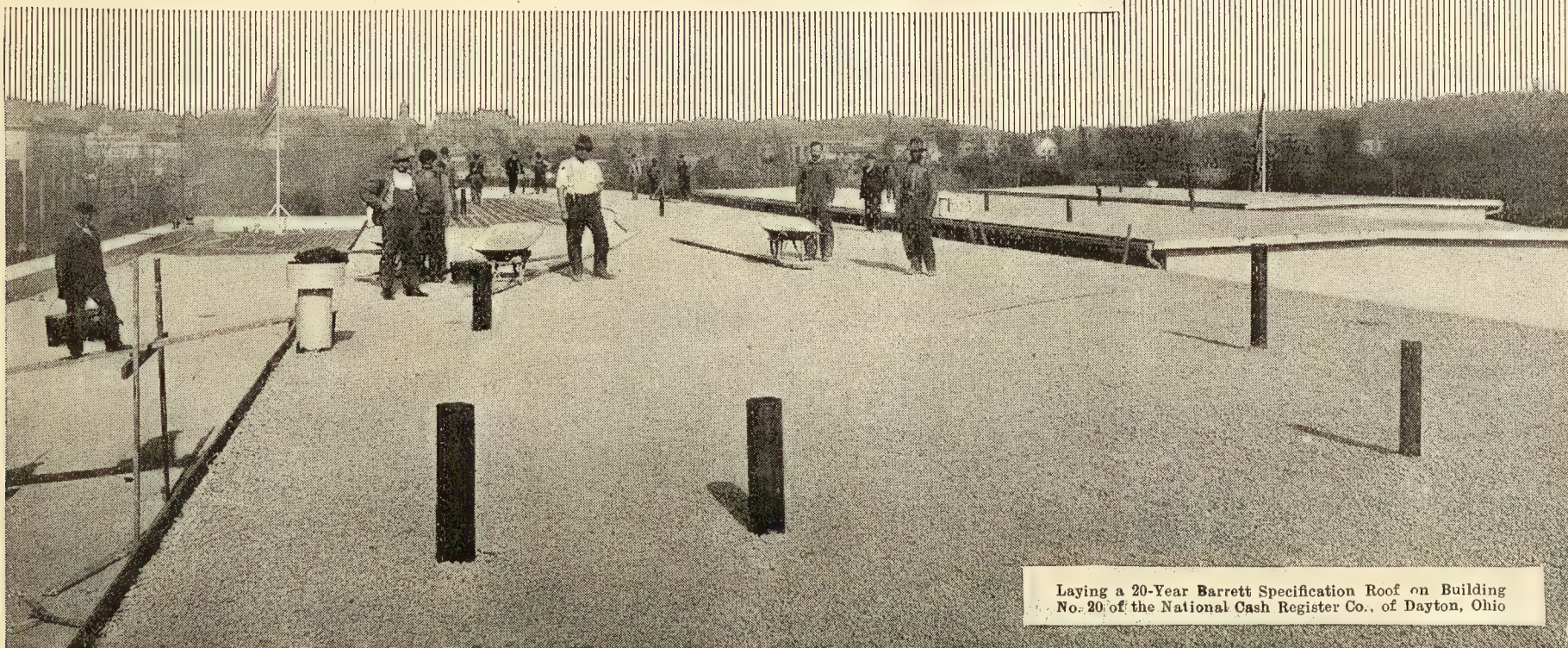
We shall be glad to send you a copy of *The Barrett Specification*, with diagrams ready for insertion in your building plans.



### The 20-Year Bond

We illustrate above the 20-Year Surety Bond that will be given on all roofs of 50 squares or over in towns of 25,000 population or more and in other places where our Inspection Service is available.

|              |                 |                            |                |           |             |
|--------------|-----------------|----------------------------|----------------|-----------|-------------|
| New York     | Chicago         | <b>The Barrett Company</b> | Dallas         | Atlanta   | Minneapolis |
| Philadelphia | Pittsburgh      |                            | Bangor         | Columbus  | Baltimore   |
| Boston       | St. Louis       |                            | Bethlehem      | Detroit   | Lebanon     |
| Cleveland    | Cincinnati      |                            | Salt Lake City | Johnstown | Buffalo     |
| Birmingham   | Kansas City     |                            | Toronto        | Winnipeg  | Vancouver   |
| Seattle      | Peoria          |                            | Montreal       |           |             |
| Youngstown   | Toledo          |                            |                |           |             |
| Nashville    | Washington      |                            |                |           |             |
|              | Elizabeth       |                            |                |           |             |
|              | St. John, N. B. |                            |                |           |             |



Laying a 20-Year Barrett Specification Roof on Building No. 20 of the National Cash Register Co., of Dayton, Ohio



# Structural Steel Shapes

PLAIN and FABRICATED

## Reinforcing Steel For Concrete, Plates Bars, Sheets, Tubes, etc.

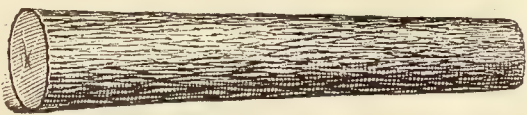
For immediate delivery from our  
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Philadelphia.

**MORRIS, WHEELER & CO.**

Thirtieth and Locust Streets

Bell—Preston 5900

Keystone—West 680



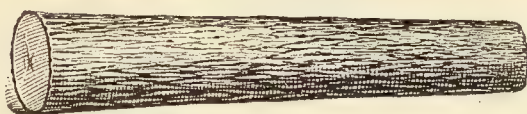
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the way you want it—  
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PHILADELPHIA



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Used pipe of all sizes for all  
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fications.

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**JAMES F. GRIFFITH**

424 Moyer Street

Kensington 5974 Philadelphia, Pa.  
East 192

forced concrete, Hillside vitrified brick. Cer-  
tified check \$1,000.

Fayette County, Route 288, Perry Town-  
ship, length 15,323 feet. One course rein-  
forced concrete, Hillside vitrified brick. Cer-  
tified check \$3,000.

Greene County, Route 111, Center Town-  
ship, length 10,620 feet. One course reinfor-  
ced concrete. Certified check \$2,000.

Greene County, Route 256, Center Town-  
ship, length 12,581 feet. One course reinfor-  
ced concrete. Certified check \$2,000.

Lawrence County, Route 233, Scott Town-  
ship, length 14,611 feet. One course reinfor-  
ced concrete. Certified check \$2,500.

Lawrence County, Route 265, North Beaver  
Township, length 11,625 feet. One course re-  
inforced concrete. Certified check \$2,000.

Luzerne County, Route 11, Dorranceton  
Borough, length 4,231 feet. One course re-  
inforced concrete. Certified check \$1,000.

Montgomery County, Route 198, Appli. 943,  
Hatfield and Towamencin Townships, length  
8,596 feet. Either bituminous surface course  
on a concrete foundation or one course re-  
inforced concrete. Certified check \$1,500.

McKean County, Route 210, Eldred Town-  
ship, length 14,750 feet. One course rein-  
forced concrete. Certified check \$3,000.

Northampton County, Appli. 1075, Palmer  
Township, length 15,000 feet. One course re-  
inforced concrete. Certified check \$3,000.

Northampton County, Appli. 1082 and  
Route 175, Allen and East Allen Townships,  
length 31,200 feet. One course reinforced  
concrete. Certified check \$4,000.

Northumberland County, Appli. 902 and  
Route 182, Ralpho Township, length 18,140  
feet. One course reinforced concrete. Cer-  
tified check \$3,500.

Potter County, Route 236, Shinglehouse  
Borough, length 8,358 feet. Either bitumin-  
ous surface course on a concrete foundation  
or one course reinforced concrete. Certified  
check \$1,500.

Somerset County, Route 52, Appli. 282,  
Jenner Township, length 5,900 feet. One  
course reinforced concrete. Certified check  
\$1,000.

Susquehanna County, Route 10 and Appli.  
976, Oakland Borough, length 3,844 feet. One  
course reinforced concrete and Hillside vitri-  
fied brick. Certified check \$1,000.

Tioga County, Route 103 and Appli. 500,  
Westfield Borough, length 628 feet. One  
course reinforced concrete. Certified check  
\$1,500.

Warren County, Route 88, Warren Borough,  
length 2,080 feet. One course reinforced con-  
crete. Certified check \$800.

Warren County, Appli. 974 and 973, Tidi-  
oute Borough, length 12,142 feet. One course  
reinforced concrete. Certified check \$2,500.

Warren County, Route 279, Farmington and  
Sugar Grove Townships, length 41,349 feet.  
One course reinforced concrete. Certified  
check \$4,000.

Warren County, Appli. 154, Farmington and  
Pine Grove Townships, length 22,383 feet.  
One course reinforced concrete and Hillside  
vitrified brick. Certified check \$4,000.

Westmoreland County, Route 68, Salem and  
Unity Townships, length 9,184 feet. One  
course reinforced concrete and Hillside vitri-  
fied brick. Certified check \$1,500.

Westmoreland County, Route 68, Derry  
Township, length 32,047 feet. One course re-  
inforced concrete and Hillside vitrified brick.  
Certified check \$4,000.

Westmoreland County, Route 69, Delmont

Borough, Hempfield, Salem and Washington  
Townships, length 57,688 feet. One course re-  
inforced concrete and Hillside vitrified brick.  
Certified check \$4,000.

Plans, \$2.50 per set.

**Bridges**, various locations, Pennsylvania.  
Architect, private plans. Owner, State of  
Pennsylvania, care of Lewis S. Sadler, State  
Highway Com., Capitol Building, Harrisburg,  
Pa. Owners ready for bids due December  
16th on the following bridges:

Armstrong County, Route 69, Parks and  
Gilpin Townships, Station 1488. Fabrication  
and erection complete of the superstructure  
for one deck plate girder highway bridge, 48  
feet 5 inches c. to c., bearings 18 feet c. to  
c. outside girders, according to Sheets S-255,  
also additions and repairs to the present  
abutments.

Berks County, Route 147, Union Township,  
Station 1442. Fabrication and erection com-  
plete of one through plate girder highway  
bridge, 79 feet c. to c., bearings 25 feet 6  
inches c. to c. girders, at 42 degrees skew,  
according to Sheets S-253.

Bucks County, Route 150, Falls Township,  
Station 704. Fabrication and erection com-  
plete of one through plate girder highway  
bridge, 62 feet c. to c. bearings, 25 feet 4  
inches c. to c. girders, at 60 degrees skew,  
according to Sheets S-275.

Bucks County, Route 150, Falls Township,  
Station 768. Fabrication and erection com-  
plete of one through plate girder highway  
bridge, 74 feet c. to c. bearings, 25 feet 4  
inches c. to c. girders, at 45 degrees skew,  
according to Sheets S-274.

Bidders may secure plans and proper blank  
upon personal application or written request  
to the State Highway Department, Harris-  
burg, Pa. Certified check of \$500 required  
for each bridge.

**Residence**, Westtown, Pa. Architects, An-  
trim & Conarroe, 225 South Sydenham street,  
Philadelphia. Owner, Mrs. H. S. Sanville,  
Westtown, Pa. Frame, 2½ stories, 39x59  
feet, shingle roof, pine floors, stone founda-  
tions, hot air heat, electric wiring. Arch-  
tect will take sub-bids in two weeks.

**Residence (alts. and add.)**, Westtown, Pa.  
Architects, Antrim & Conarroe, 225 South  
Sydenham street, Philadelphia. Owner, name  
withheld. Frame, add. 2 stories, 24x30 feet,  
shingle roof, stone foundations. Architect  
will be ready for bids in three weeks.

**Residence (alts.) and Garage**, Penfield, Pa.  
Architect, Richard R. Neely, 1619 Chestnut  
street, Philadelphia. Owner, James E. Bell,  
Penfield, Pa. Stone, 1 story, 22x25 feet,  
shingle roof, hardwood and cement floors,  
stone foundations, electric wiring, plumbing,  
painting. Architect is taking sub-bids.

**Residence**, Elkins Park, Pa. Architect,  
private plans. Owner, F. W. Schuler, El-  
kins Park, Pa. Hollow tile and plaster, 2½  
stories, 35x26 feet, wing 8x14 feet, shingle  
roof, pine floors, hollow tile, metal lath, stone  
foundations, hot water heat, electric light,  
tile work, iron work. Owner taking bids.  
William R. Dougherty, 1610 Sansom street,  
is figuring.

## Pennsylvania

### Contracts Awarded

**Residence (alts. and add.)**, West Chester,  
Pa., \$6,000. Architect, R. Brognard Okie, Cro-  
zer Building, Philadelphia. Owner, Dr. J.  
Weston Morris, Fern Brook Farm, West Ches-

We have pebbles all sizes. Cost less than what you are using. DAVID  
FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



ter, Pa. General alterations and additions. Contract awarded to William H. Jones, West Chester, Pa.

**Residence**, Ardmore, Pa. Architect, George S. Idell, 1705 Chestnut street, Philadelphia. Owner, William Wolf, Ardmore, Pa. Hollow tile and stucco, 2 stories, 25x42 feet, shingle roof, pine and oak floors, stone foundations, hot water heating, electric lighting, hollow tile. Contract awarded to B. Ridgway Evans, Beechwood Park, Pa.

**Bank Building**, Lansdowne, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Lansdowne National Bank, Lansdowne, Pa. Stone, steel and brick, 2 stories, tile and marble work. Contract awarded to J. Sims Wilson Co., 1125 Brown street, Philadelphia.

**Residence (alts.)**, Haverford, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, C. T. Gano, Haverford, Pa. Interior alterations, carpentry and

mill work. Architects taking bids due December 5th. Pomeroy Const. Co., 1609 Ransstead street, and J. E. Kearney, 34 South Seventeenth street, are figuring.

**Residence (alts. and add.) and Garden Work**, Radnor, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, George W. Kendrick, 3rd, 321 Chestnut street, Philadelphia. Sun parlor, 1 story, 30x35 feet, tile roof, tile walls, plastering, metal lath, reinforced concrete work, maple floors, swimming pool, 20x60 feet, hot water heating, electric lighting. Contract awarded to Milton W. Young, Overbrook, Pa.

**Residence (alts. and add.) and Chicken House and Cow Barn**, Merion. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner, W. F. Lewis, Merion, Pa. General alterations to residence, outbuilding, frame, 1 story, 14x28 feet, shingle roof. Contract awarded to E. J. Hedden, Finance Building, Philadelphia.

## NEW JERSEY

## Construction News

**Residence (add. and alt.)**, 1708 Pacific avenue, Atlantic City, N. J. Architect, W. S. Hewitt, Guarantee Trust Building, Atlantic City, N. J. Owner, Dr. W. L. Zane, Pennsylvania avenue, Atlantic City, N. J. Stone, brick and stucco, 3 stories, 12x25 feet, composition roof, hardwood floors, electric light, tile and marble work, interior alterations. Owner taking sub-bids.

**Apartment**, New York avenue, Atlantic City, N. J. Architect, W. S. Hewitt, Guarantee Trust Building, Atlantic City, N. J. Owner, Mrs. M. Theodoropoulos, Atlantic City, N. J. Brick and hollow tile, 3 stories, 25x50 feet, concrete foundations, composition roof, pine floors, hot water heat, electric light, tile and marble work. C. E. Schappell, Delaware and Pacific avenues, taking sub-bids.

**Apartment**, 36 North Massachusetts avenue, Atlantic City, N. J. Architect, W. B. Reibenack, Guarantee Trust Building, Atlantic City. Owner, Mr. F. X. Murphy, Philadelphia. Brick, 3 stories, 25x60 feet, concrete foundations, slag roof, pine floors, hot water heat, electric light, tile work. Sketches being drawn.

**Bungalows (6)**, Ventnor, N. J., \$50,000. Architect, S. G. Dobbins, 18 South Virginia avenue, Atlantic City, N. J. Owner, H. G. Harris, Guarantee Trust Building, Atlantic City, N. J. Hollow tile and stucco, 2 stories, 32x42 feet, tile roof, hardwood floors, steam heat, electric light, tile work. Plans in progress.

**Apartment (alt. and add.)**, 109 Atlantic avenue, Atlantic City, N. J. Architect, H. A. Stout, Guardian Trust Building, Atlantic City, N. J. Owner, Mrs. Athalis Klose, on premises. Brick, 4 stories and basement, 30x20 feet, concrete foundations, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

**Stores (alt.)**, Maryland and Atlantic avenues, Atlantic City, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owners, Magenheimer & Helleman, on premises. General interior alterations, plate glass, hot water heat, electric light.

Architect taking bids due as soon as possible. C. E. Schappell and W. Beaumont, Atlantic City, N. J., are figuring.

**Residence**, Richards avenue, Atlantic City, N. J. Architect, W. B. Reibenack, Guarantee Trust Building, Atlantic City, N. J. Owner, Catherine Reilly, Atlantic City, N. J. Brick and frame, 2 stories, 29x40 feet, asphalt shingle roof, pine floors, hot water heat, electric light, tile work. Architect is ready for bids.

**Apartment (alt.)**, 207 South Rhode Island avenue, Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, Olga Edwan, on premises. General interior and exterior alterations. Architect ready for bids.

**Apartment House**, South Missouri avenue, Atlantic City, N. J. Architect, J. V. Mathis, Guarantee Trust Building, Atlantic City, N. J. Owner, Antonio Ruffu, City Hall, Atlantic City, N. J. Brick, 3 stories, 42x160 feet, slag roof, pine floors, hot water heat, electric light, tile work. Owner will take sub-bids.

**House**, Ventnor, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, Charles Pryor, Guarantee Trust Building, Atlantic City, N. J. Frame, 3 stories, shingle roof, 24x37 feet, pine floors, tile work. Owner will take general bids.

**School (add.)**, Winslow Township, N. J., \$5,000. Architects, Remington & Vosbury, Sixth and Market streets, Camden, N. J. Owners, Board of Education of Winslow Township, care of architect. Frame, 1 story, 1 room, hardwood floors. Plans in progress.

## O. W. KETCHAM

Manufacturer of

Ornamental Terra  
Cotta

Face Brick

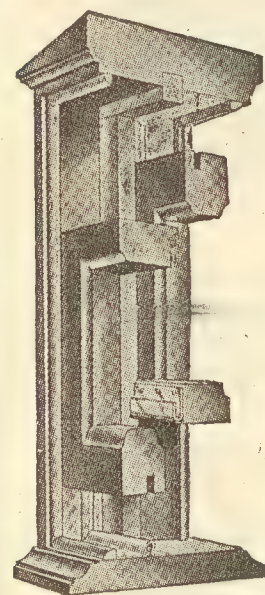
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New York, 1170 Broadway  
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and  
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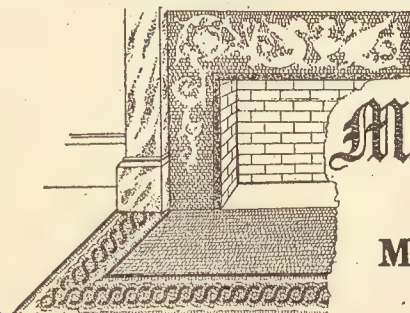
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Manufacturers and Dealers in

Marble Mosaics, Terrazzo, Tiles and Ceramics

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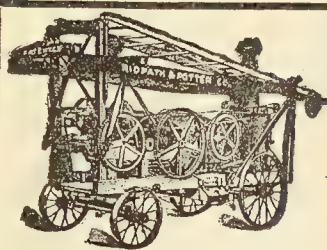
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Record of your work compiled from photographs taken and finished by a competent photographer will furnish a complete history of the building from inception.

To be sure of rapid service, clear and permanent photographs for your record, choose a firm that has had extensive experience in serving architects, contractors and the building trades.

**HARRY S. HOOD**

Keiths' Theatre Building  
Walnut 356 Philadelphia



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**Building Construction**

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**Office and Residence (alts.),** Broadway and Benson street, Camden. Architects, Moffett & Truscott, 30 North Third street, Camden, N. J. Owner, Dr. D. H. Lyke, on premises. General interior alterations. Plans in progress.

**Residence (add.),** Camden, N. J. Architects, Moffett & Truscott, 30 North Third street, Camden, N. J. Owner, name withheld. Stone, 3 stories, 10x20 feet, stone foundations, slate roof, hardwood floors, electric light tile and marble work. Plans in progress.

**Casino, Dock, Swimming Pool and Dance Hall,** Sea Side, Ocean County, N. J., \$20,000. Architects, Remington & Vosbury, Sixth and Market streets, Camden. Owner, Borough of Sea Side, care of architects. Frame, 2 stories. Preliminary plans in progress. Too early for details.

**Town Hall and Fire House,** Main street, Pennsgrove, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, Borough of Pennsgrove, care of Arthur Smith, Pennsgrove, N. J. Brick and reinforced concrete, fireproof, 2 stories, 36x95 feet, tile roof, tile and marble work, cement and composition floors, hollow tile, metal lath, damp-proofing, ornamental iron work (plumbing, heating, electric work and hardware reserved). Owners taking bids due December 16th. E. J. Kreitzburg, 1345 Arch street, Philadelphia, and George W. Shaner, Palmyra, N. J., are figuring.

**Office Building,** Camden, N. J. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owners, Taylor White Extracting Co., Camden, N. J. Brick, terra cotta and steel, 2 stories, 28x42 feet, slag roof, vapor heat, electric lighting, stone foundations, metal lath, iron work. Architect taking revised bids due December 6th. Smith-Hardican Co., 1606 Cherry street; Cramp & Co., Denckla Building; Barclay White Co., 1713 Sansom street; Bushnell Bros., 2146 East Norris street; W. O. Springer, 1624 Latimer street; F. B. Davis, 240 North Sixteenth street, Philadelphia; James W. Draper, 436 Haddon avenue; Baldwin Const. Co., Court House Building, Camden, N. J., are figuring.

**School,** Atlantic and Massachusetts avenues, Atlantic City, N. J. Architect, Henry D. Dagit, 4527 Pine street, Philadelphia. Owner, Holy Spirit Catholic Church, Atlantic City, N. J. Brick and terra cotta, 2 stories, 138x82 feet, slag roof, cement and maple floors, roof ventilators, iron stairs, stone foundations. Architect taking bids, due December 12th. Melody & Keating, 1322 Race street, and Wilbert S. Beaumont, Atlantic City, N. J., are figuring.

### New Jersey

#### Contracts Awarded

**Department Store,** Atlantic City, N. J., \$600,000. Architects, Price & McLanahan, Bellevue Court Building, Philadelphia. Owners, Braunstein-Blatt Co., Atlantic avenue, Atlantic City, N. J. Brick and plaster, 8 stories, 110x125 feet, slag roof, pine and maple floors, hollow tile, stone foundations, marble work, hollow metal sash and skylights, kalamein doors, iron wrk (plumbing, heat, elevator and electric lighting reserved). Contract awarded to Warren-Moore Co. Colonial Trust Building.

**Apartments (2),** Oriental avenue, Atlantic

City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, Equity Realty Co., Guarantee Trust Building, Atlantic City. Brick and stucco, 2 stories, 43x67 feet, stone foundations, slag roof, hot water heat, electric light, tile and marble work, metal lath, hollow metal sash, plate glass. Contract awarded to Thompson Bros., Atlantic City, N. J.

**Bungalow,** Oxford avenue, Ventnor, N. J., \$10,000. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owner, H. G. Godshall, Guarantee Trust Building, Atlantic City. Brick and frame, 1½ stories, 40x60 feet, stone foundations, slate roof, hardwood floors hot water heat, electric light, tile work. Contract awarded to C. E. Schappel, Atlantic City, N. J.

**Apartment, Store and Service Station,** Morris and Atlantic avenues, Atlantic City, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owner, E. M. Manning, care of architect. Brick and stone, 2 stories, 50x125 feet, stone foundations, slag roof, pine floors, hot water heat, electric light, tile and marble work. Contract awarded to Thompson Bros., Atlantic City, N. J.

**House (alt.) to Apartment,** 36 North Massachusetts avenue. Architect, W. B. Reibenack, Guarantee Trust Building, Atlantic City, N. J. Owner, Mr. Murphy, on premises. Brick, 1 story, 28x50 feet, pine floors, general interior alterations. Contract awarded to P. O'Halley, 3 South Texas avenue, Atlantic City, N. J.

**House,** Troy avenue, Ventnor, N. J. Architect, W. B. Reibenack, Guarantee Trust Building, Atlantic City. Owner, name withheld. Stucco and hollow tile, 2½ stories, 30x35 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to J. V. Mathis, Guarantee Trust Building, Atlantic City.

### Delaware

#### Construction News

**House (alt. and add.) and Garage,** Eleventh and Broome streets, Wilmington. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. Stone, 2 stories, 24x30 feet, irregular size, shingle roof, pine and concrete floors, electric light, heating extension, interior and exterior alterations. Architect ready for bids.

**Dye House and Service Garage,** Market and Brandywine streets, Wilmington. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, Sayer Bros., Eighteenth and Market streets, Wilmington, Del. Brick, concrete and steel, 3 stories, 48x175 feet, concrete foundations, slag roof, concrete floors, high pressure steam heat, electric light, hollow metal sash, fire doors, roof ventilators, gasoline storage system. Architect has received bids.

### Delaware

#### Contracts Awarded

**Shop,** Anchorage street, Wilmington, Del., \$16,898. Architects, Brown & Whiteside, Dupont Building, Wilmington, Del. Owners, Trump Machine Co., Beech and Anchorage streets, Wilmington. Brick, 2 stories, 88x36

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feet, slag roof, stone foundations, cement floors, steam heating, electric lighting, rolled steel sash. Contract awarded to William D. Haddock, 804 Orange street, Wilmington.

**Restaurant (alt.)**, 4 West Fourth street, Wilmington, Del., \$2,000. Architect, private plans. Owner, Michael Sealy, Wilmington, Del. New front, interior alterations. Contract awarded to Harvey Schaefer, 2515 Market street, Wilmington, Del.

**Garages (3)**, 913 Washington street, Wilmington, Del., \$2,000. Architect, private plans. Owner, Mrs. Burnett, Wilmington, Del. Brick, 1 story, 9x18 feet, slag roof, cement floors, electric lighting. Contract awarded to S. H. McCoy, 2213 Washington street, Wilmington, Del.

**Residence (alt.)**, Woodlawn and Gilpin streets, Wilmington, \$4,000. Architect, private plans. Owner, William Coyne, 1908 Woodlawn avenue, Wilmington, Del. Brick, slate roof, interior alterations. Contract awarded to John Healey & Son, 707 Tatnall street, Wilmington.

## Miscellaneous Construction News

**Box Factory**, Sparrows Point, Md. Architect, private plans. Owners, Bethlehem Steel Co., Sparrows Point, Md. Brick and steel, 1 story, 50x262 feet, slag roof, millwork (electric wiring, heating and plumbing reserved). Owners taking bids, due as soon as possible. Hughes-Foulkrod Co., Commonwealth Building, Philadelphia; Arthur Tufts, Lexington Building, and Deverall, Spencer & Co., Garrett Building, both of Baltimore, Md., are figuring.

## Proposals

### INVITATION FOR PROPOSALS

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., November 12, 1919. Sealed Proposals will be opened in this office at 3 P. M., Dec. 10, 1919, for extension of the United States Post Office and Court House building at Harrisonburg, Va. Drawings and specifications may be obtained from the Custodian of the building at Harrisonburg, Va., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., Nov. 14, 1919. Sealed Proposals will be received at this office until 3 P. M., Dec. 12, 1919, and then opened, for extension of mailing vestibule at the U. S. Post Office, Morgantown, W. Va., in accordance with the specifications and drawing No. 68A and 325, copies of which may be had at this office or at the office of the Custodian, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., November 25, 1919.—Sealed proposals will be opened in this office at 3 P. M., December 23, 1919, for furnishing the labor required in the construction complete, with materials that will

be furnished by the Government, of an extension to the animal house for the Hygienic Laboratory, United States Public Health Service, at Washington, D. C. Drawings and specifications may be obtained at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., November 25, 1919.—Sealed proposals will be received at this office until 3 P. M. December 19, 1919, and then opened, for remodeling post office screen at the United States Post Office and Court House, Springfield, Illinois, in accordance with drawing Nos. 53 and M-357D and this specification, copies of which may be had at the office of the Custodian or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., November 26, 1919.—Sealed proposals will be opened in this office at 3 P. M., December 26, 1919, for extension of mailing vestibule and driveway of United States Post Office Building at West Chester, Pa. Drawings and specifications may be obtained from the Custodian of the building at West Chester, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., December 1, 1919.—Sealed proposals will be opened in this office at 3 P. M., December 30, 1919, for the installation complete of two electric elevators in the kitchen and mess hall, United States marine hospital, at New York, N. Y. (Stapleton), in accordance with the drawing and specifications, copies of which may be had at this office in the discretion of the Supervising Architect.—James A. Wetmore, Acting Supervising Architect.

### PROPOSALS FOR ALTERATION OF BUILDING.

**PICATINNY ARSENAL**, Dover, N. J., December 4, 1919.—Sealed proposals for altering building No. 117, will be received until 1 o'clock P. M. on December 22, 1919, and then opened. Information furnished on application to Commanding Officer, Picatinny Arsenal, Dover, N. J.

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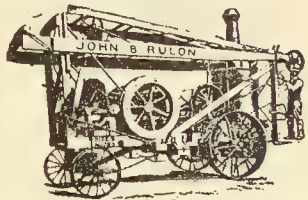
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## LUMP SUM CONTRACT

Competition Is a Desirable Thing In Contracting—Unit Price Contracts Encourage Competition and Develop Initiative.

By DUDLEY F. HOTMAN.

The Government lost \$4,500,000 through waste, loss and inefficiency, according to an estimate recently presented to the Congressional Subcommittee investigation the construction of Camp Grant. Mr. J. P. O'Connor, a Chicago contractor, who made a survey of the camp for the committee, stated that the work could have been done on a lump sum basis of \$8,819,544, whereas War Department figures show that the total cost was upward of \$13,500,000. Mr. O'Connor, who is head of J. P. and W. O. O'Connor Company, fixed the responsibility for profiteering on the cost plus system that was approved by the Emergency Construction Committee. He declared that this method of doing work is not only more expensive, but that it delays operations. Much has been said about the relative merits of the two forms of contracts—the lump sum form and the cost plus form. Some companies have executed work successfully on the cost plus form and they have brought forth their arguments in its favor.

We all are ready, I think, to admit that competition is a desirable thing in the contracting business as it is in all phases of industrial endeavor. The contractor working on a lump sum basis has not only a reputation to maintain, but his very livelihood is at stake. He may have taken the work at such a low figure that a loss seems inevitable; but by the intelligent use of his organization and by the application of new methods of handling material and labor he is able to turn what seemed to be certain loss into a fair profit. There are, in fact, three important methods of doing work. First, there is the "company force" method. Then there is the agreed sum method with a provision for a percentage basis for additional or unforeseen work. The third method is the cost plus system based on the actual cost of the work. As a rule, the first method is used only when the work to be done is too small to contract or when local or emergency conditions are such that it is not practical to contract it. The problem then is whether to choose the lump sum or the cost plus system of doing work.

The greatest asset that a contractor has is his organization and his knowledge

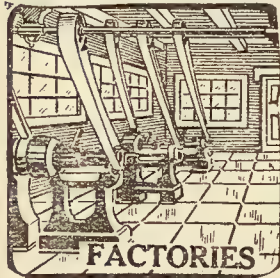
of men and materials. He must know where labor can be readily obtained and he must know the source of supplies and how they can best be transported. The successful contractor must know market conditions, and he must, of course, have an intimate knowledge of the work to be done. Now then, if the work is let on the lump sum basis the owner gets the benefit of the judgment and the experience of many men and many firms. One contractor will analyze the supply situation more carefully than the others, another will have a better plant to handle this particular work than his competitors and a third may have better methods of doing work. In the lump sum contract the owner gets the advantage of pitting all of these men against each other. In the cost plus contract the owner gets the benefit of one man's or one firm's judgment and experience and it is just barely possible that the wrong man may have been selected. Might this not very easily happen on public work where public officials are interested more in the political strip and the size of the contractors' following than they are in his ability as a contractor?

You know this is a funny old world. Folks are just human. And sometimes methods that look very well on paper and are even proved to be efficient in certain isolated, individual cases would prove to be quite the contrary if put into universal practice. Of course there are contractors who favor the cost plus contract and who have found that it could be used by them with a resulting economy to both themselves and the owner. But if this form of contract came into general use there would be no such thing as an important general contracting business in this country. There would be a few large firms handling all of the big jobs and the smaller jobs would be run by a superintendent. The contractor of moderate means would simply be a superintendent—that is all. The taxpayer would suffer most. He always does. Funds derived from taxes and bond issues for the purpose of constructing public improvements would be spent in some such manner as the public moneys were spent at Camp Grant.—*American Contractor.*

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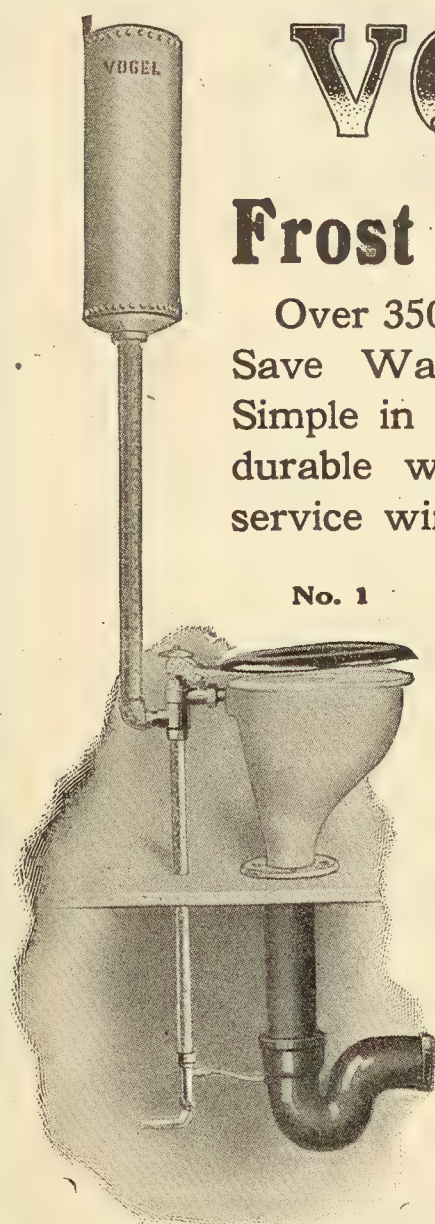
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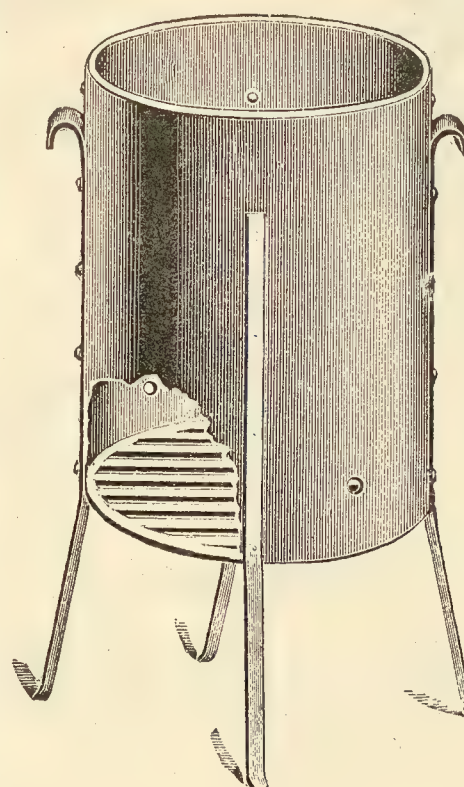
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Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XXXIV, No. 50  
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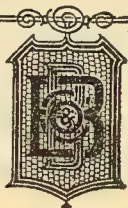
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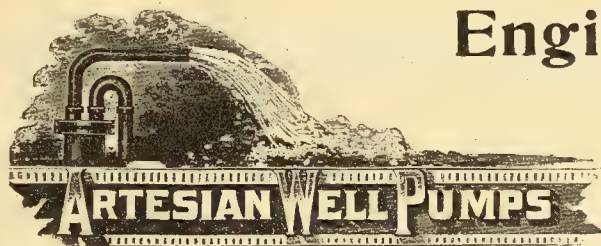
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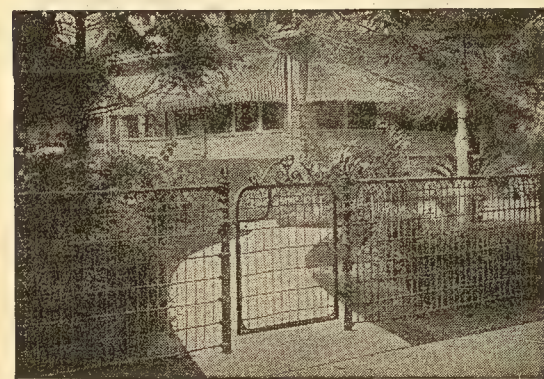
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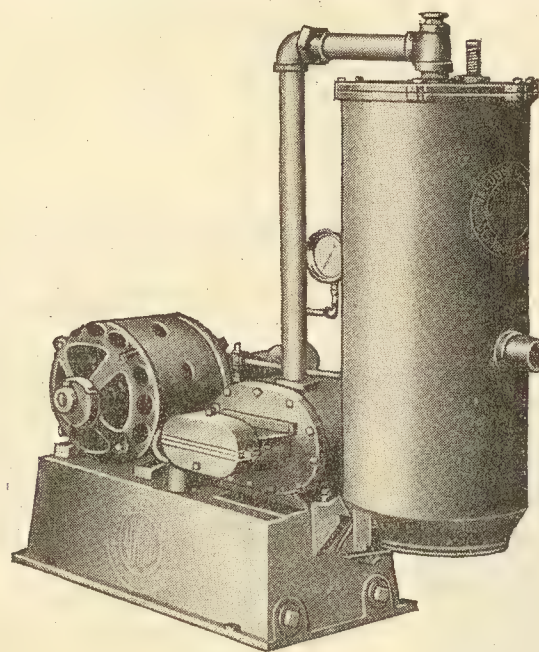
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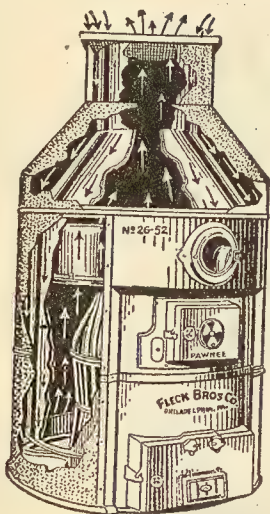


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# BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural  
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VOLUME XXXIV  
Number 50

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December 10, 1919

## BUILDERS' GUIDE

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Sixteenth and Chestnut Sts., Philadelphia, Pa.

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## As The Editor Sees It



COMMENTING on the demands made by the miners in the coal strike, Attorney General Palmer says that the wage increases proposed by Dr. Garfield would equalize the average miner's wages with the present high cost of living without increasing the price of coal. To grant the demands of the miners would make the cost of living still higher.

Thus the ever-growing circle—higher wages, then higher living costs; still higher wages, further advance in living costs, and in the long run the working-man is no better off than he was at first and the general public is far worse off and the country in general suffers from strikes and under production.

The public, of course, must stand pat. In the face of an ever-increasing shortage of coal and the consequent crippling of industry, it is difficult to find a bright side to the situation. From one section of the country—Seattle—comes the tale of victory and Seattle's example may well be followed by other parts of the country.

Seattle is breaking the domination over her industries of the radical element of organized labor which has held almost absolute sway in that city for the past three years, and has so restricted production and increased production costs that her shipyards, lumber mills, and many lesser industries have been finding it hard to compete with those in which the labor

situation was less acute; that she was beginning to lose commerce to other Pacific ports where the labor cost of handling cargoes was less; that she was losing new industries seeking location on the Coast, which avoided Seattle because of industrial conditions.

Seeing her opportunity of becoming the greatest city on the Pacific Coast and one of the great ports of the world slipping away from her, Seattle has arisen in the might of an American city, and is breaking the tightening bonds which were beginning to strangle her industries and commerce. Seattle is rapidly going "open shop." Seattle has declared her independence of organized labor rule and is refusing even to deal with the radicals in control of organized labor in the city, whose course since the signing of the Armistice has proven them to be no better in their actions, sentiments and purposes than the I. W. W.

They do not call it "open shop" in Seattle. They call it the "American Plan of Employment" which, as defined by the "Associated Industries of Seattle," the organization leading the movement to success, means that every man shall be protected in his inalienable right to work, regardless of political, religious or labor affiliations; that every employer shall be protected in his right to run his own business and to hire employees without having to gain the permission of an autocrat of labor.

The open shop is being established in Seattle by the breaking of a series of strikes, designed by the radicals in the labor movement as a substitute for the general strike, by which they planned to bring about the paralysis of industry in Seattle and so discourage employers that they would be able to take over industry themselves under a soviet system. The open shop is being established by the force of public opinion as the result of an intensive publicity campaign in the Seattle dailies, conducted by the Associated Industries. Pages on pages of advertising informed the Seattle public that the industries and commerce of Seattle were being attacked by the radicals of organized labor and that, if their domination over organized labor and the industries and commerce of Seattle were not broken, the population, industry, commerce and prosperity of the city would decline.

The response was prompt. The Chamber of Commerce, the Rotary Club, the Kiwanis Club and all other civic and commercial organizations of the city took action demanding the end of radicalism and sabotage in Seattle, and endorsing the open shop in industry. These declarations were published in page advertisements, and at the end of ten days of this intensive advertising, the public sentiment in Seattle was overwhelmingly in favor of Americanism in industry, and the power of the radicals was broken.

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Where, a year ago, the closed shop was strongly supported by public opinion in Seattle, today the public is demanding open shop, and any employer who signs a closed shop agreement with any labor union will be exceedingly unpopular.

The movement in Seattle is not against unionism, but against the domination of unionism and industry by un-American radicals. The Associated Industries, in its publicity, has repeatedly recognized the right of workers, as well as employers, to organize; has endorsed the principle of collective bargaining; has declared that there shall be no discrimination against union men under the American Plan, and has urged employers not to take advantage of unemployment to cut wages. The Associated Industries has been consistently American and so has won the confidence of the public and of the conservatives of union labor.

Seattle is winning industrial independence by the power of organization. While the individual employer, with a few exceptions, in the past has been unable to withstand the radicals who ruled Seattle labor and has bowed to their dictates, the employers of Seattle, banded together along with many other citizens in the Associated Industries, have been able to defy the radicals and to establish open shop in every Seattle industry in which a strike has occurred or a contract broken by the unions, during the past three months. In rapid succession, the building industry, the job printing industry, the merchant tailors, the dyers and cleaners, the jewelers, the shoe repair shops and the master pile drivers have declared and established their independence of radical domination, meaning that the unions have lost control of industries in which thousands of men and women are employed.

Seattle would progress on the open shop road much more rapidly, under the stimulus of public opinion, if it were not for the fact that the Associated Industries has taken a strong stand against the breaking of existing contracts with labor unions. One of the cardinal principles of the organization is that employers must keep faith with each other and with employes, and so the open shop movement progresses as strikes occur, unions break contracts and existing contracts expire.

The Associated Industries was formed in Seattle as a result of the general strike of last February. The revolutionary character of that attempt was recognized by the public and the necessity of cleaning the radicals out of organized labor was brought home. There was much open shop sentiment as a result of the general strike, but as a large percentage of union labor in Seattle is loyal American, the majority of employers favored

giving the unions a chance to clean house of the radicals before taking any drastic steps. The Associated Industries, led by Frank Waterhouse, a leading citizen of Seattle, with large shipping and industrial interests, was organized to band all employers together in an effort to bridge the chasm between the employers and employes by giving the employes such a square deal that the revolutionary appeals of the radicals would fall upon deaf ears, and that labor would throw the I. W. W. and other radicals out of control of Seattle unions. During last spring and summer, the Associated Industries grew rapidly in membership and influence, and endeavored consistently to cultivate better relations between employers and labor, and to promote a square deal for the employe, the employer and the public in general in Seattle—but the unions failed to clean house.

The final declaration for the open shop in Seattle came when Mr. Waterhouse became convinced that the radicals, still in complete domination of the unions, were attempting, by a series of strikes, to paralyze the industries of Seattle and take them over. Advance information of this plan was verified by events. On September 2, the carpenters and some of the other unions in the building trades struck to enforce impossible wage demands, in spite of the vital public need of more homes and other buildings and the willingness of the employers to arbitrate. They arrogantly stated that their demands, involving \$10 a day wage for carpenters and other exorbitant increases, must be granted first, and then they would talk arbitration. The job printers, the tailors, the dyers and cleaners and pile drivers followed in rapid succession and the air was full of talk of strikes in other industries.

On October 14, Seattle contractors, backed by the Associated Industries of Seattle, declared open shop in the building industry, after six weeks of fruitless negotiations with the unions to bring the strike to a settlement on terms which would not make it impossible for new buildings to be undertaken. Their action, announced in page advertisements in the daily newspapers, was applauded by the public. On October 31, the Building Trades Council voted to call the strike off. The strikers returned at their old wages and under open shop conditions.

It took only one seven-column, fifteen inch advertisement in the Seattle dailies, announcing open shop and inviting men to work under the American Plan, to establish the piledriving industry on the open shop basis. The fight has been harder with the job printers, the tailors and the dyers and cleaners, but the employers in each of these three industries

declared unequivocally for the open shop and are making it stick. The employing printers have been drawing men from all over the United States to take the place of those strikers who refuse to return to work, and are gradually building their forces up to normal. The tailors have been greatly helped by the fact that all the associations of employing tailors in the cities of the Pacific Coast, as far south as San Diego, California, have followed the example of Seattle and have declared open shop. The dyers and cleaners have gotten back many of their old employes and are back to normal in their operations. To have granted the demands made in any of these lines would have amounted practically to turning over the business to the employes.

The declaration of open shop by the building contractors was a body blow to union labor radicals and disarranged their plans to bring about industrial paralysis by involving one industry after another in strikes. A sentiment against strikes developed in the unions, and no more strikes were called.

Once decided for the open shop, the Associated Industries conducted an intensive publicity campaign in the three loyal daily newspapers of Seattle.

At the end of ten days, public sentiment was strongly in favor of the open shop.

Then came the murder of four former soldiers by the I. W. W. during the Armistice celebration parade at Centralia, Washington, a few miles from Seattle, and the suppression by the Government of the disloyal Union Record, the organ of the radicals, to crystallize sentiment in Seattle against the reds in control of labor. The sentiment grew so strong that the elimination of the radical alone can save unionism in Seattle.

The movement for the American Plan, the open shop, has spread from Seattle to the other cities of the Pacific Coast, and the Pacific Coast expects to see it sweep the country until the right of all Americans to work without being subjected to coercion and intimidation is established. San Francisco, Portland, Spokane and Tacoma have organized "Associated Industries" on the Seattle plan. The Pacific Coast is making a new declaration of independence for America.

Don't crowd your space, Mr. Advertiser. Better play up one selling point at a time than to try to get everything into one ad. and kill every possible chance for display. An ad. should stand out. It should be easily read. It should draw the attention of the reader. A carload of detail can't be crowded into a few inches of space and still retain the quality of sticking out as all good advertising should.



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Stores, Office Building and Moving Picture Theatre,** Southeast Corner Eleventh and Market streets, Philadelphia. Architects, Hoffman, Henon, Inc., Finance Building, Philadelphia. Owner, Stanley Company of America, care of Jules Mastbaum, president, 1424 South Penn Square, Philadelphia. Brick, steel, concrete, stone and terra cotta, 156x180 feet, rolled steel sash, metal lath, electric lighting, steam heating, elevators, tile, marble and terrazzo work, ornamental iron work. Plans in progress.

**Ice House, Engine Room and Ice Storage House,** Powers Lane and Island Road, Philadelphia. Architect, William F. Koelle, Twenty-sixth and Oxford streets, Philadelphia. Owners, Crescent Ice Co., Fiftysecond and Woodland avenue, Philadelphia. Brick, slow burning, 1 story, 145x105 feet, slag roof, cement floors, stone foundations, concrete footings, sheet metal work, plumbing, mill work, painting and glazing (electric work reserved). Owner has received bids.

**Bank,** Sixtieth and Ludlow streets, Philadelphia. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Mutual Trust Co., care of S. F. Scattergood, president, Bourse Building. Brick and terra cotta, 100x23 feet, 32 feet high, slag roof, metal lath, hollow tile, metal weather strips, hollow metal sash, iron stairs, iron work (plumbing, heating, tile work, electric work, floors and terrazzo work reserved). Architects taking revised bids December 15th at 2 P. M. William R. Dougherty, 1610 Sansom street; Pomeroy Const. Co., 1609 Ransstead street; J. Sims Wilson Co., 1125 Brown street; F. B. Davis, 240 North Sixteenth street; William R. Graham, 3649 Filbert street; H. E. Baton, 1713 Sansom street, and H. H. Burrell, 206 South Quince street, are figuring.

**Garage,** Seventh and Tasker streets, Philadelphia. Architects, Fieldstein & Schaef, Penfield Building, Philadelphia. Owner, A. Waldow, 707 Walnut street, Philadelphia. Brick, 2 stories, slag roof, cement floors, steam heating, electric lighting. Owner is taking sub-bids.

**Central Library,** Nineteenth to Twentieth, Vine to Wood streets. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, City of Philadelphia, care of librarian, John Ashhurst, Thirteenth and Locust streets, Philadelphia. New working plans in progress. Will be ready for bids in about six weeks.

**Factory,** Amber street and Erie avenue, Philadelphia. Architects, Fieldstein & Schaef, Penfield Building, Philadelphia. Owners, M. I. Davidson & Co., Shackamaxon and Wildey streets, Philadelphia. Brick, 2 stories, 82x122 feet, slag roof, maple floors, stone foundations, electric lighting, rolled steel sash, hollow metal skylights, iron work (heating reserved). Owners are taking sub-bids.

**Office and (4) Apartments (alts.),** Broad and McKean streets. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, name withheld. Brick, 3 stories, hardwood floors, metal lath, cement work, plastering, flush bulks (hot water heating and plumbing reserved), electric lighting. Will be ready for bids in a week.

**Apartment House (alts. and add.),** Twenty-third and Green streets, Philadelphia. Architect, J. Ethan Fieldstein, Penfield Building, Philadelphia. Owner, Charles M. Savin, Twenty-third and Green streets. Brick, 3 stories, 29x35 feet, slag roof, oak and pine floors, stone foundations, hot water heating, electric lighting, tile and marble work, hollow metal skylights, iron work. Architect taking bids due as soon as possible. Kober Const. Co., Middle City Building; D. Henwood, 717 South Sixty-third street; E. E. Hollenback, Inc., 1804 Brandywine street; Potts Bros. & Cooperson, 129 South Eleventh street, and Lam Building Co., 1001 Wood street, are figuring.

**Manufacturing Building (alts. and add.),** 1007 Arch street. Architects, Day & Zimmerman, 611 Chestnut street, Philadelphia. Owner, Rumsey Electric Co., 1231 Arch street, Philadelphia. General alterations and additions. Architect selected. Plans in progress.

**Demolition of Buildings,** appurtenant to opening Tulip and Emerald streets, under Richmond Branch, P. and R., Philadelphia, and **demolition and removal of abandoned engine yard facilities,** between Frankford and Aramingo avenues, Philadelphia. Owners, United States Railroad Administration and Philadelphia and Reading R. R., Reading Terminal, Phila. Engineers, A. E. Owen, Reading Terminal, Philadelphia. Owners taking bids due December 15th at noon.

**Building (alts.) to Apartments and Garages,** South side of Baltimore avenue, between Forty-second and Forty-third streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, name withheld. General interior and exterior alterations. Plans in progress.

**Residence and Garage,** Eighth and Cheltenham avenue, Oak Lane Park, Philadelphia. Architect, Richard R. Neely, 1619 Chestnut street, Philadelphia. Owner, Robert Bell, care of architect. Stone, 2½ stories, 26x39 feet and 25x23 feet, shingle roof, hot water heating, electric lighting, oak floors, cement work. Plans in progress.

**Motion Picture Theatre,** Fairmount avenue and Lex street, Philadelphia. Architects, Charles J. Mitchell and Richard R. Neely, 1619 Chestnut street, Philadelphia. Brick, steel and concrete, 1 story, 40x99 feet, slag roof, steam heating, electric lighting, cement work. Plans in progress.

**Residences (28), Stores and Dwellings (2), Garages (30),** Lebanon avenue, Daggett and

Prentice streets, \$304,000. Architect, private plans. Owner, John F. McGinty, 2010 North Broad street, Philadelphia. Stone and brick, 3 stories, 16x31 feet, 11x16 feet, 16x40 feet, 25x23 feet and 20x8 feet, slate roof, hot water heating, electric lighting, oak floors, cement work, tile work. Owner will build.

**Residence,** Northeast Corner Forty-ninth and Chestnut streets, Philadelphia. Architect, Paul A. Monaghan, Bailey Building, Philadelphia. Owner, Faculty of West Philadelphia High School, West Philadelphia, Pa. Stone, 3 stories, 124x45 feet, slag roof, composition and maple floors, stone foundations, steam heating, electric lighting, tile work. Architect taking bids due December 15th. A. R. Raff Cont. Co., 1635 Thompson street; Doyle & Co., 1519 Sansom street; Sutton & Stephenson, 1317 Washington avenue; James McGarvey, 4814 Trinity Place; Cramp & Co., Denckla Building; Melody & Son, 1322 Race street, and Frank G. Stewart, 1619 Sansom street, are figuring.

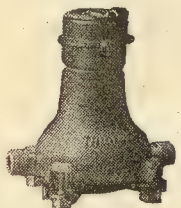
**Exchange Building,** 1331 Vine street, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, Philadelphia Film Exchange, care of architect. Brick and concrete, 3 stories, 18x90 feet, slag roof, reinforced concrete and pine floors, expanded metal lath, stone foundations, steam heating, electric lighting, hollow metal skylights, kalamain doors, flush bulks. Owners ready for bids in a few days.

**Store and Apartment,** Twelfth and Loudon streets, Philadelphia. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, I. Siegel, Seventh and Noble streets, Philadelphia. Brick, 3 stories, 20x81 feet, slag roof, parquet floors, metal lath, mill work, stone foundations, hot water heating, electric lighting, marble work, hollow metal skylights, bay windows and cornice, flush bulks, metal ceilings. Owner will be ready for sub-bids in two weeks.

**Residence,** No. 2, Cliveden street and Lincoln Drive. Architect, Mahlon H. Dickinson, 1705 Chestnut street, Philadelphia. Owner, Samuel Stern, 210 North American Building, Philadelphia. Stone, 2½ stories, 26x42 feet, slate roof, oak and pine floors, stone foundations, tile work, iron work (heating and electric work reserved). Owner taking bids due December 10th. Hogg Const. Co., Denckla Building; E. E. Hollenback, Inc., 1804 Brandywine street, are figuring.

**Storage Building,** West side Fifty-second street, South of Baltimore avenue, \$22,000. Architect, private plans. Owner, Charles W. Hallar, 5214 Broomal street, Philadelphia. Brick, 1 story, 48x92 feet, slag roof. Owner will build.

**Factory (add.),** South side Crawford street, East of Ridge avenue, \$10,000. Architect, private plans. Owner, J. & J. Dobson, Inc., 800 Chestnut street, Philadelphia. General altera-



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tions and additions. Owners will build.

**Residences (40)**, 816 to 846 and 801 to 847 Marlyn Road, \$280,000. Architect, private plans. Owner, Moss & Taylor, Fifty-eighth and Girard avenue, Philadelphia. Brick and stone, 2 stories, 20x35 feet, slag roof, steam heating. Owner will build.

**Factory**, Southwest Corner Amber and Erie avenue, Philadelphia, \$60,000. Architect, J. E. Fieldstein, 1328 Chestnut street, Philadelphia. Owner, Levick & Waldow, 707 Walnut street, Philadelphia. Brick, 2 stories, 126½x82 feet, slag roof, electric lighting. Architect will sub-let.

**Store and 2-Family Residence (alts. and add.)**, 53 North Fifty-second street, Philadelphia. Architect, Carl P. Berger, 1416-18 South Penn Square, Philadelphia. Owner, Miss Florence M. Heim, on premises. Brick, 3 stories, 14x30 feet, slag roof, oak and pine floors, stone foundations, hot water heating, electric lighting, tile work, hollow metal skylights, iron work, hardware, painting, plumbing, glazing, stair work. Architect taking additional bid from Frank I. Wintz, 1618 North Twenty-seventh street.

**Residence (alts.) to Store and Apartments (2)**, 39 North Fifty-second street. Architect, E. Allen Wilson, 1218 Chestnut street, Philadelphia. Owner, J. Donovan, 36 South Delaware avenue, Philadelphia. Brick, third story add., stone foundations, hot water heating, electric lighting, tile work, pine floors. Architect taking bids due as soon as possible. Le Roy K. Smith, Forty-first and Chester avenue; J. D. Fisher, 5424 Thompson street; Samuel J. Rea & Son, 1608 Fairmount avenue; Smith-Hardican Co., 1606 Cherry street, and Clark & Co., 11 South Fifty-second street, are figuring.

**Church**, Ruscomb street, between Thirteenth and Camac streets, Philadelphia. Architect, not yet selected. Owner, Logan Baptist Church, Broad and Rockland streets, Philadelphia. Work contemplated.

**Residence**, Crittenden street, North of Gowan avenue, \$8,000. Architect, private plans. Owner, John S. Miller, Glenside, Pa. Brick, 2 stories, 27x31 feet, 14x8 feet, slate roof, hot water heating, electric lighting. Owner will build.

**Garage**, 5811 Torresdale avenue, Philadelphia, \$10,000. Architect, private plans. Owner, Charles Fullmer, on premises. Brick, 1 story, 49½x75 feet, slag roof, steam heating, electric lighting, cement floors. Owner is building.

**Store and Dwelling**, 809 Vine street, Philadelphia, \$5,000. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, Harvey Karft, 251 North Ninth street, Philadelphia.

Brick, 2 stories, 20x41 feet, 16x21 feet, slag roof, hot air heating, electric lighting, pine, oak and cement floors, tile and marble work, metal ceiling, flush bulks. Owner is building.

**Office Building**, Sixth, Chestnut, Seventh and Sansom streets, \$5,000,000. Architect, Arnold W. Brunner, 101 Park avenue, New York City. Engineers, Frank C. Robert & Co. Real Estate Trust Building, Philadelphia. Owners, Public Ledger Co., Sixth and Chestnut streets, Philadelphia. Brick, terra cotta, steel, marble, fireproof, 10 and 12 stories, 385x270 feet, slag roof, steam heating, electric lighting, hollow tile, tile and marble work, metal lath, elevators. Plans filed by owners. No general contract yet awarded.

**Office**, Philadelphia. Architect, Charles Mitchell, 1619 Chestnut street, Philadelphia. Owner's name withheld. Brick, 1 story, 17x50 feet, slag roof, pine floors, steam heating, electric lighting, stone foundations. Plans in progress. Architect will be ready for bids in three weeks.

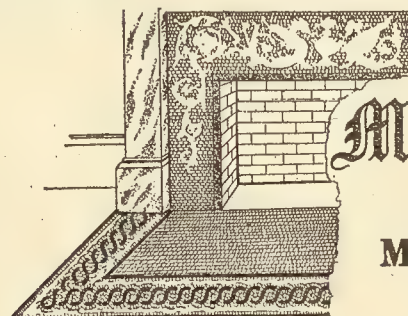
**Building (alts.)**, 907-09 North Broad street, Philadelphia. Agent, Harry T. Saunders, 31 South Eighteenth street, Philadelphia. Owner, Louis J. Kolb, Tenth and Reed streets, Philadelphia. Brick, 2 stories, 97x40 feet, wing 21x62 feet, slag roof, cement floors, metal lath, roof ventilators, stone foundations, steam heating, electric lighting, rolled steel skylights, iron work. Agent taking additional bid from Lam Building Co., 1001 Wood street, Philadelphia.

**Residence (alts.)**, 423 Carlisle street, Philadelphia. Architect, Mahlon H. Dickinson, 1705 Chestnut street, Philadelphia. Owner's name withheld. Plans being prepared. Too early for details.

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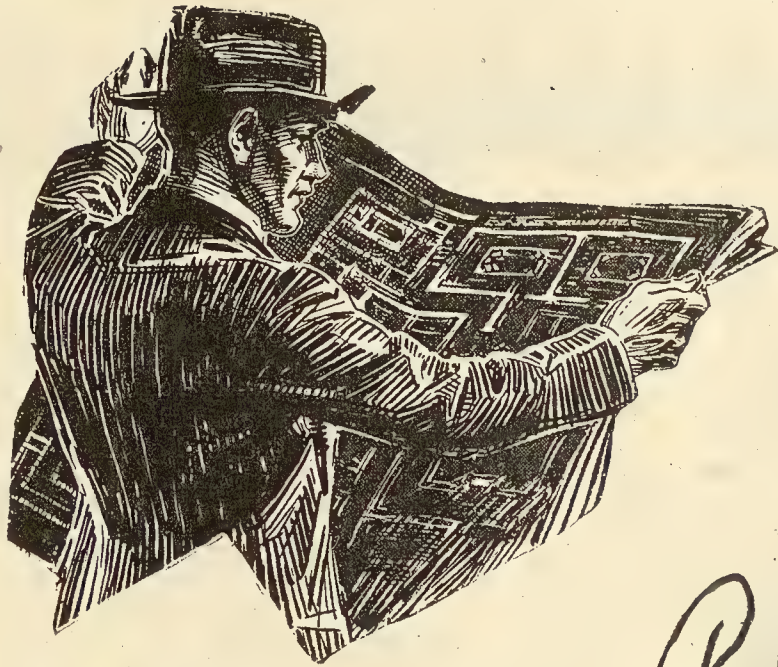
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## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Residence (alts. and add.),** Fifty-first and Spruce streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Robert J. Hoben, 261 South Twenty-first street, Philadelphia. Brick, 3 stories, 1 story add., oak floors (hot water heating and plumbing reserved), electric lighting, tile and marble work. Contract awarded to Walter Evitts, 5022 Chancellor street, Philadelphia.

**Oxford Bank (alts.),** Frankford, Philadelphia. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Oxford Bank, Frankford avenue and Overington street. New vault, concrete and plastering, composition floors, painting, glazing, sheet metal work, lumber, carpentry, mill work, brick work, hollow metal skylights, slag roof. Contract awarded to H. E. Baton, 1713 Sansom street.

**Garage,** Second and Lombard streets, Philadelphia. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owner, Abbott's Alderney Dairies, Second and Lombard streets, Philadelphia. Brick and steel, 1 story, 60x121 feet, slag roof, cement floors, stone foundations (heating and lighting reserved). Contract awarded to Barclay White Co., 1713 Sansom street, Philadelphia.

**Stable, Garage and Bottling House,** 617-19 North American street, \$25,000. Architects, Kline & Weitzenfeld, 1612 South Fourth street, Philadelphia. Owner, Nathan Levin, 219 Wood street, Philadelphia. Brick, 2 stories, 80x21½ feet, 40x19 feet and 94x88½ feet, slag roof, steam heating, electric light-

ing, cement and pine floors. Contract awarded to A. Warshofsky, 810 North Franklin street, Philadelphia.

**Garage (add.),** 1524 Unity street, Frankford, Philadelphia. Architect, private plans. Owners, Frankford Grocery Co., on premises. Brick, 1 story, 23x76 feet, slag roof, cement floors, roof ventilators, hollow metal skylights, stone foundations. Contract awarded to Barclay White Co., 1713 Sansom street, Philadelphia.

**Store Building (alts.),** Thirteenth and Filbert streets, Philadelphia. Architects, Hoffman, Henon, Inc., Finance Building, Philadelphia. Owner, Schulte Cigar Co., 386 Broadway, New York City. Steel work, slag roof, iron work, painting, plastering, glazing, hardware, steam heating, electric lighting. Contract awarded to Pierce Henon Co., Bulletin Building.

**Office (add.),** North side of Venango, West of Twentieth street, \$15,000. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Benjamin Foster Co., Twentieth and Venango streets. Brick, 1 story, 18x40 feet, slag roof. Contract awarded to H. E. Baton, 1713 Sansom street, Philadelphia.

**Dumb Waiter Shaft,** Darien and Noble streets, Philadelphia. Architect, Frank E. Hahn, Denckla Building, Philadelphia. Owners, S. Rosenau & Co., Darien and Noble streets, Philadelphia. Iron work, rolled steel skylights, carpentry, painting, hardware, metal lath, plastering. Contract awarded to

W. O. Springer, 1624 Latimer street, Philadelphia.

**Stores (3) (alts. and add.),** 6227-29-31 Woodland avenue, \$9,000. Architects, Clark & Dudenick, Drexel Building, Philadelphia. Owner, B. Shore, Sixty-fourth and Woodland avenue, Philadelphia. Brick work, slag roof, maple floors, electric lighting, reinforced concrete work, flush bulks. Contract awarded to Stackhouse & Little, 6070 Reinhardt street.

**Store and Dwelling (alts. and add.),** 2823 Kensington avenue, \$4,000. Architect, private plans. Owner, I. Rosenstein, 2827 Kensington avenue. Brick, 2 stories, 14x29 feet and 3x28 feet, slag roof, electric lighting. Contract awarded to Harry Brocklehurst, 512 W. Norris street, Philadelphia.

**Parish House,** Eighty-fifth and Gibson avenue, Philadelphia. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owners, St. Cyprian's Parish, Eighty-fifth and Gibson avenue. Stone and plaster, 1 story, 61x50 feet, slag roof, pine floors, stone foundations, roof ventilators, iron work (plumbing, heating and electric lighting reserved). Contract awarded to Thomas C. Trafford, 1613 Sansom street, Philadelphia.

**Factory (add.),** Northwest Corner Ontario and C streets, Philadelphia, \$40,000. Architect, private plans. Owner, Philadelphia Storage Battery Co., on premises. Brick and steel, third story add., irregular size, slag roof, maple floors, iron work. Contract awarded to Stewart Bros. Co., 2528 North Orkney street.

**Factory,** Cambria and Janney streets, Philadelphia, \$10,000. Architect, private plans. Owner, Federal Hosiery Mills, on premises. Brick, slow burning construction, 2 stories, 69x157 feet, slag roof, maple floors, steam heating, electric lighting, roof ventilators, iron work. Contract awarded to H. E. Baton, 1713 Sansom street.

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**Factory**, Cedar and Tioga street, Philadelphia, \$200,000. Architect, private plans. Owners, Standard Tinfoil Corporation, care of builders. Brick, 2 stories, 150x200 feet, rolled steel sash, steam heating, electric lighting, roof ventilators, cement work. Contract awarded to Austin Co., Bulletin Building, Philadelphia.

**Garage**, 6206 Germantown avenue, Philadelphia. Architect, private plans. Owner, Thos. F. Hutchinson, on premises. Brick, 1 story, 20x49 feet, slag roof, cement floors, electric lighting. Contract awarded to Samuel Harting, 20 East Johnson street.

**Warehouse (alts.)**, 427 Market street, Philadelphia. Architect, private plans. Owner, Harford Co., 309 Market street, Philadelphia. Alterations. Contract awarded to William Easterbrook, 146 North Fourth street, Philadelphia.

**Office Building (alts.)**, 135 South Second street, Philadelphia. Architect, private plans. Owner, Keystone Telephone Co., 135 South Front street, Philadelphia. Steel work, fireproof, composition floors, hollow tile. Contract awarded to Geo. Kessler Cont. Co., Drexel Building.

**Residence**, Bustleton avenue, North of Levick street, \$6,500. Architect, private plans. Owner, Mrs. H. McKee, 5130 Duffield street, Philadelphia. Stone, 2 stories, 35x48 feet, hot water heating, electric lighting, oak and pine floors. Contract awarded to Adam Forepaugh, 1645 Pratt street.

**Residence (alts.)**, 2021 Delancey street, Philadelphia, \$5,000. Architect, Mantle Fielding, 520 Walnut street, Philadelphia. Owner, S. L. Shoeber, on premises. Plumbing, heating repairs, electric lighting, plastering, tile work, hardware, roof repairs, brick work. Contract awarded to Wm. J. Gruhler Co., 219 East High street, Philadelphia.

**Boiler House and Coal Pocket (add.)**, Lena street, south of Arrott street, \$25,000. Architect, private plans. Owners, Continental Mills Co., on premises. Brick, 1 story, 42x66 feet, iron, 1 story, 26x60 feet. Contract awarded to Walter Dalton, 1215 Filbert street, Philadelphia.

**Dwelling**, Fanshaw and Oakley streets, \$7,500. Architect, private plans. Owner, Frederick F. Fisher, 4846 Warnock street, Philadelphia. Frame, 2 stories, 31½x30 feet, hot

water heating, electric lighting, oak and pine floors. Contract awarded to H. W. Meyers, 5814 Hasbrook avenue, Philadelphia.

**Garage**, 8216 Seminole avenue, \$5,000. Architect, private plans. Owner, Louis G. Sigel, Nineteenth and Market streets, Philadelphia. Stone, 2 stories, 29x25 feet, slate roof, hot water heating, electric lighting, cement work. Contract awarded to C. W. MacDowell Agcy., 2118 Diamond street, Philadelphia.

## PENNSYLVANIA Construction News

**Garage**, Eleventh and Market streets, Harrisburg, Pa. Architects, Markley & Starr, Spooner Building, Harrisburg, Pa. Owners, Conover & Wolf, 13 Howard street, Harrisburg, Pa. Brick and concrete, 2 stories, 67x108 feet, concrete foundations, slag roof, reinforced concrete floors, steam heating, electric lighting, rolled steel sash, gasoline storage. Plans in progress. Owner will take sub-bids.

**Apartment**, Sixth and Delaware avenue, Harrisburg, Pa. Architect, C. P. Lappley, 206 Market street, Harrisburg, Pa. Owners, American Ice & Coal Co., care of architect. Brick, 3 stories, 20x65 feet, stone foundations, composition roof, pine floors, electric lighting. Plans in progress.

**Store and Apartment**, Littlestown, Pa. Architects, Markley & Starr, Spooner Building, Harrisburg, Pa. Owner, Mrs. A. C. Mayers, on premises. Brick, 2 stories, 22x60 feet, stone foundations, slag roof, pine floors, hot

water heating, electric lighting. Plans in progress. Owner will take bids.

**Garage**, Eleventh and Johnstown Road, Harrisburg, Pa. Architect, G. H. Grove, 213 Walnut street, Harrisburg, Pa. Owner, A. H. Schaeffer, 88 South Cameron street, Harrisburg, Pa. Brick, 2 stories, 82x51 feet, stone foundations, slag roof, cement floors, electric lighting, plate glass, gasoline storage system. Owner taking sub-bids.

**Restaurant (alt. and add.)**, 307 Market street, Harrisburg, Pa. Architect, G. H. Grove, 213 Walnut street, Harrisburg, Pa. Owner, N. Colovivas, 307 Market street, Harrisburg, Pa. Brick, 3 stories, 24x40 feet, tin roof, yellow pine floors, marble work, general interior work. Owner taking sub-bids.

**Residences (8) (add. and alt.) to Apartment**, Market street, Harrisburg, Pa. Architect, C. P. Lappley, 206 Market street, Harrisburg, Pa. Owner, D. A. Sanderlen, Security Trust Building, Harrisburg, Pa. Brick



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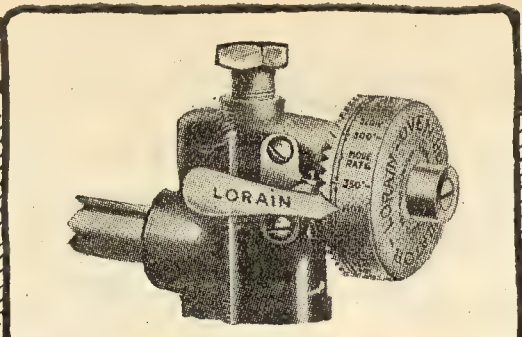






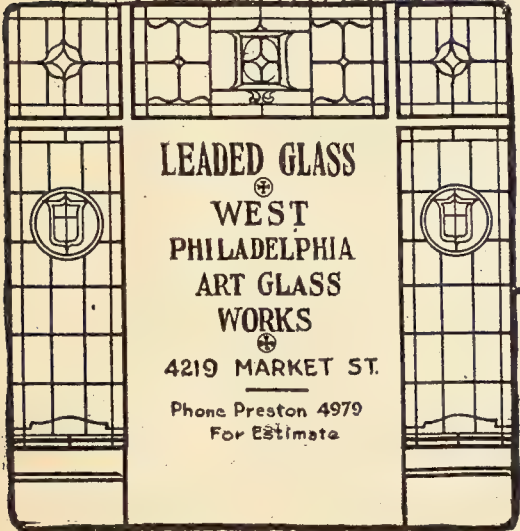
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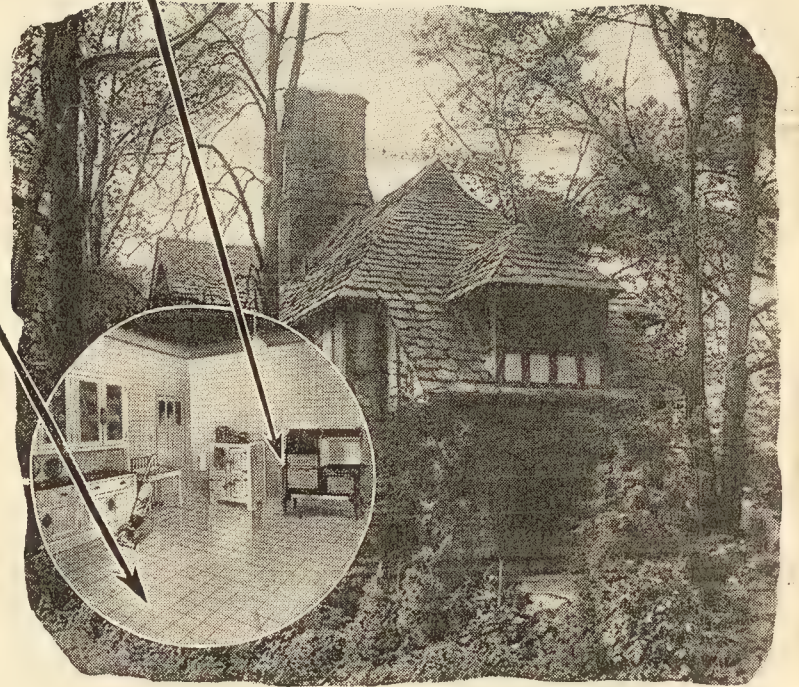


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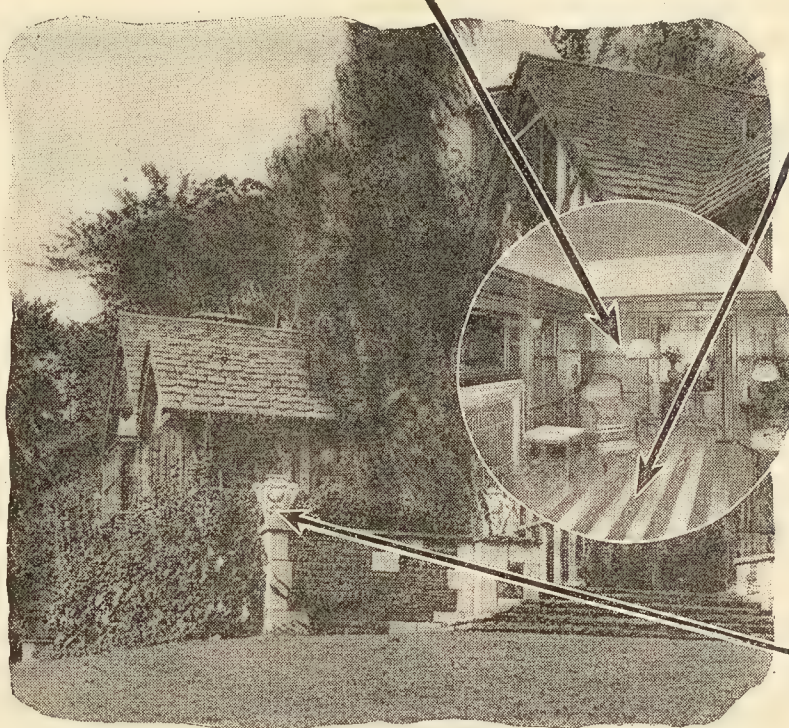
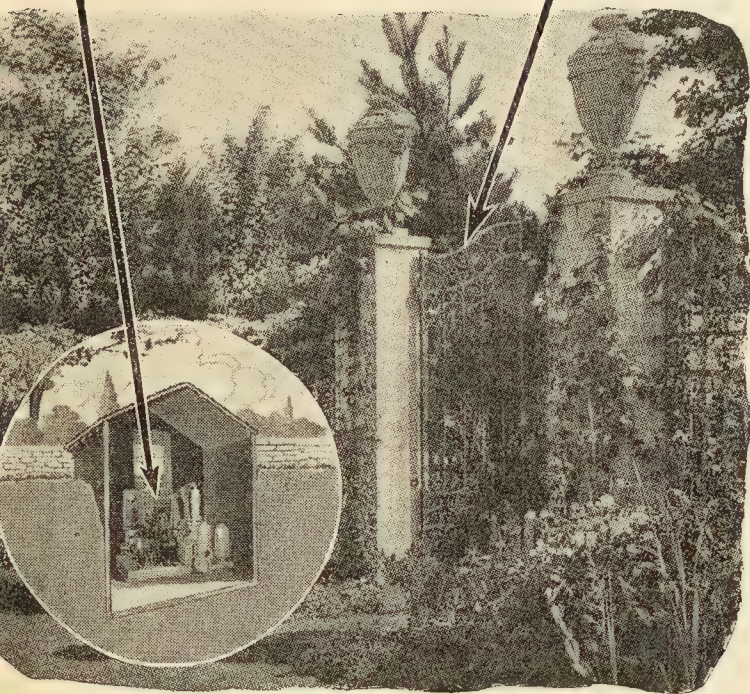
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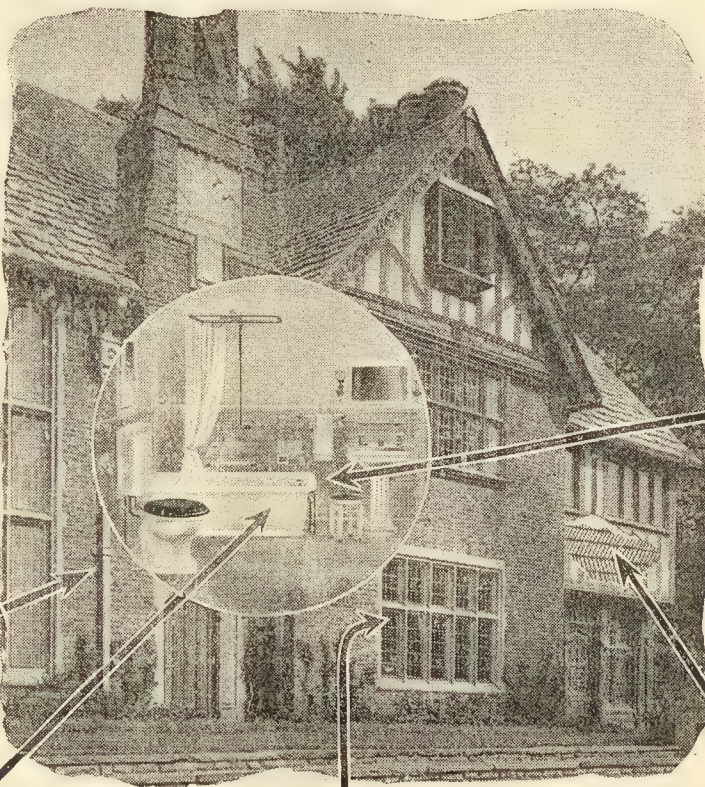
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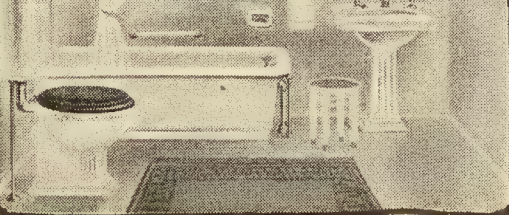
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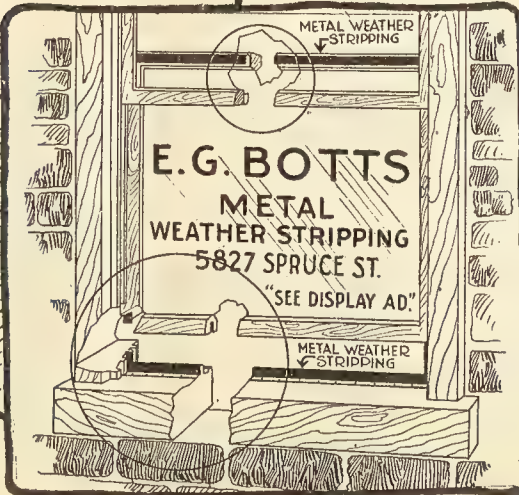
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and stucco, 3 stories, 18x30 feet, stone foundations, shingle roof, electric lighting. Owner taking sub-bids.

Garage, Market street, Harrisburg, Pa. Architects, Markley & Starr, Spooner Building, Harrisburg, Pa. Owners, Appler & Meyers, Lemoyne, Pa. Brick, 1 story, 50x113 feet, concrete foundations, slag roof, concrete floors, steam heating, electric lighting, hollow metal sash, reinforced concrete, gasoline storage system. Contract awarded to William Bushey, Lemoyne, Pa.

Store Rooms (add.), Penn street, Lancaster, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owners, Watt & Strand, on premises. Brick and steel, 4 stories, 60x102 feet, slag roof, maple floors, heating extension, electric lighting, elevators, plate glass. Plans in progress.

Residence (alt.) to Apartment, 451 Chestnut street, Lancaster, Pa. Architect, H. Y. Shaub, Imperial Building, Lancaster, Pa. Owner, W. C. Sapp, on premises. Brick, 3 stories, hardwood floors, electric lighting, tile and marble work, plumbing, general interior alterations. Plans in progress.

Tobacco Sweat House and Boiler Room, Lancaster, Pa. Architect, J. B. Hamme, City Bank Building, York, Pa. Owner, Eisenlohr Bros., 932 Market street, Philadelphia. Brick, concrete and steel, 1 story and basement, 115x130 feet, slag roof, concrete floors, steam heating, electric lighting, hollow metal sash, roof ventilators, radio brick chimney, hollow metal doors, (3) boilers, (2) iron stairs. Architect will be ready for bids next week.

Church, New Holland, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, United Brethren Church, care of C. W. Rettew, on premises. Brick, 1 story and basement, 38x80 feet, stone foundations, slate roof, maple floors, vapor steam heat, electric light. Preliminary plans in progress.

Residence, Pottsville, Pa. Architect H. Maurer, Mt. Penn, Reading, Pa. Owner, E. I. James, Pottsville, Pa. Hollow tile and stucco, 3 stories, 40x65 feet, slate roof, hardwood floors, hot water heat, electric lighting, tile and marble work. Plans in progress.

Bank, Ninth and Spring streets, Reading, Pa. Architect, H. Maurer, Mt. Penn, Reading, Pa. Owner, Northeast Trust Co., care of architect. Stone and brick, 3 stories, 40x90 feet, stone foundations, marble and wood floors, electric light, tile and terrazzo work, hollow metal sash, bank fixtures, vault, roof ventilators, metal window guards, ornamental iron work. Plans in progress.

Bungalow, Robinson Hill, Pa. Architect, H. Maurer, Mt. Penn, Reading, Pa. Owner, H. M. Jenkins, Hodge Apartments, Reading, Pa. Hollow tile and stucco, 1 story, 40x40 feet, shingle roof, hardwood floors, pipeless heater, electric lighting, tile work. Architect taking bid. D. Hunter, 820 N. 11th st.; C. H. Schlegel, 23rd and Perkiomen ave.; H. Raudenbush, 1328 Perkiomen avenue, and W. H. Spatz, 551 South Eighteenth street, all of Reading, Pa., are figuring.

Residence, Penn Side, Reading, Pa. Architect, H. Maurer, Mt. Penn, Reading, Pa. Owner, Carl Miller, Mt. Penn, Reading, Pa. Hollow tile and stucco, 2 stories, 30x32 feet, shingle roof, hardwood floors, hot water heating, electric lighting, tile work. Architect taking bids. C. Schlegel, 23rd and Perkiomen ave.; D. Hunter, 820 N. 11th st.; W. H. Spatz, 551 S.

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Eighteenth street, all of Reading, Pa., are figuring.

**Apartment (alts.),** Mt. Penn, Reading, Pa. Architect, H. Maurer, Mt. Penn, Reading, Pa. Owner, H. Maurer, Mt. Penn, Reading, Pa. Hotel alts. to apartment, interior work, hardwood floors, plumbing. Owner will take sub-bids.

**Electric Signal Tower, Battery House and Signal Bridge Foundations,** Myerstown, Pa. Architect, private plans. Owner, Philadelphia and Reading R. R. Co., Twelfth and Market streets, Philadelphia. Brick, terra cotta and steel, 2 and 1 stories, 15x20 feet and 13x35 feet, slate and asbestos roofing, cement floors, stone foundations, hot water heating, electric lighting, iron stairs, iron work, roof ventilators. Owners taking bids due Dec. 10th. A. L. Carhart, Penfield Building; F. A. Havens Co., 845 North Nineteenth street, Philadelphia, and Andrew J. Fink, Reading, Pa., are figuring.

**Bridge,** Bingaman street, Reading, Pa. Engineers, Charles Sanders, County Engineer, Berks County, Reading, Pa. Owners, County Commissioners, Berks County, Reading, Pa. Reinforced concrete and steel, 1,360 feet long, 60 feet wide, 16 spans. Low bidders: McLean Construction Co., Baltimore, Md., \$665,000, 20 months; T. Larry Eyre, Commercial Trust Building, Philadelphia, \$687,000, 540 days. Low bidder on cement: Fehr & O'Rourke, Reading, Pa., \$2.71 per barrel.

**Factory,** Fernwood, Pa. Architects, Norman Hulme & John J. Dull, 1524 Chestnut street, Philadelphia. Owner, Electric Storage Battery Co., Nineteenth and Allegheny avenue. Brick, steel and concrete, 1 and 2 stories, 90x160 feet, slag roof, concrete floors, steam heating, electric lighting, rolled steel sash, metal lath. Architects taking sub-bids.

**Residences and Garages (6),** Lansdowne, Pa. Architect, Andrew C. Borzner, 717 Walnut

street, Philadelphia. Owner, Mrs. D. Rivas, Lansdowne, Pa. Hollow tile and stucco, 2½ stories, 16x40 feet, slate roof, oak and cement floors, stone foundations, hot water heating, electric lighting, tile work. Owner taking approximate bid. Delaware County Const. Co., Lansdowne, Pa., are figuring.

**School (add.),** Black Horse, Plymouth Township, Pa. Architects, Schermerhorn & Phillips, 430 Walnut street, Philadelphia. Owners, School Board of Plymouth, Plymouth Township, Pa. Stone, brick or hollow tile, 2 stories, 60x80 feet. Plans in progress. Too early for details.

**Residences (7) (2 twins and 3 singles),** Jenkintown, Pa. Architect, Andrew J. Borzner, 717 Walnut street, Philadelphia. Owner, name withheld. Agent, Theodore M. Delaney, Jenkintown, Pa. Hollow tile and stucco, 3 stories, 22 feet 3 inches x36 feet and 33x28 feet, shingle roof, oak floors, cement work, stone foundations, hot water heating, electric lighting, tile work. Architect taking bids due Dec. 10th. W. John Stevens, Inc., Wynecote, Pa.; Specht & Sperry, Heed Building; A. D. Griffin, Jenkintown, Pa.; E. Allen Reeves, Abington, Pa.; William Rapp, care of architect; Delaware County Const. Co., Clifton Heights, Pa.; John W. Hohlefeldt, Jenkintown, Pa., and E. Carman, Jenkintown, Pa., are figuring.

**Residence,** Swarthmore, Pa. Architects, W. F. Karcher & L. Smith, 34 S. Seventeenth street, Philadelphia. Owner, Dr. Joseph Swain, Swarthmore, Pa. Hollow tile and plaster, 2½ stories, 40x42 feet, shingle roof, oak floors, hollow tile, stone foundations, hot water heating, electric lighting, tile work. Architects taking bids, due December 21th. H. E. Grau Co., 1709 Sansom street; Albert Zellfelder, 152 South Broad street; J. Sims Wilson Co., 1125 Brown street, and J. B. Flounders, Media, Pa., are figuring.

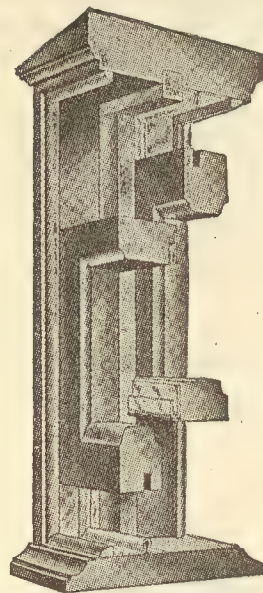
**Store,** 1 story, 15x15 feet, slate roof, stone foundations, electric lighting. Contract awarded to Edward Fay & Son, 2 South Mole st., Philadelphia.

**Residence (alts.),** Milton, Pa. Architect, George S. Idell, 1705 Chestnut street, Philadelphia. Owner, H. W. Chamberlain, Milton, Pa. General interior and exterior alterations. Contract awarded to Moore Const. Co., Milton, Pa.

**Residences (14),** Wyomissing, Pa. Architect, H. Maurer, Mt. Penn, Reading, Pa. Owners, Wyomissing Building and Saving Association, care of architect. Hollow tile, 2 stories, various sizes, slate roof, pine floors, hot air heat, electric light. Contract awarded to C. H. Schlegel, Twenty-third and Perkiomen avenue, Reading, Pa.

**Cottage,** Rydal, Pa., \$10,000. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owner, Eugene Fry, Commercial Trust Building, Philadelphia. Stone and timber, 2 stories, 27x45 feet, terra cotta, hot water heating, electric lighting, tile roof, pine floors. Contract awarded to E. D. Leber, Abington, Pa.

**Bank (alts.),** Marcus Hook, Pa., \$10,000.



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## Contracts Awarded

**Residence (Alts.) to Apartments (5),** Sharon Hill, Pa. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owners, Tully Memorial Presbyterian Church, Sharon Hill, Pa. Changing partitions, pine floors, hot water heating, electric lighting, tile work dumbwaiters, gas ranges, plumbing. Contract awarded to Warren E. Biscoe, 3954 Ludlow street, Philadelphia.

**Residence,** Ardmore, Pa. Architect, George S. Idell, 1705 Chestnut street, Philadelphia. Owner, Wm. Wolf, Ardmore, Pa. Hollow tile and stucco, 2 stories, 25x42 feet, shingle roof, pine and oak floors, stone foundations, hot water heating, electric lighting, hollow tile. Contract awarded to B. Ridgway Evans, Beechwood Park, Pa.

**Bank Building,** Lansdowne, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Lansdowne National Bank, Lansdowne, Pa. Stone, steel and brick, 2 stories, tile and marble work. Contract awarded to J. Sims Wilson Co., 1125 Brown street, Philadelphia.

**Memorial Chapel,** Bala, Pa. Architect, Geo. I. Lovatt, 416 Walnut street, Philadelphia. Owners, St. Matthias' R. C. Church, Bala, Pa.

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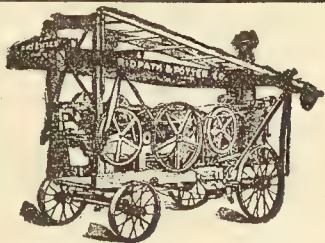
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New York, 1170 Broadway  
Washington, Home Life Building

**Terra Cotta Works, Crum Lynne, Pa**

Architect, Robert G. Holland, Real Estate Trust Building, Philadelphia. Owners, Marcus Hook National Bank, Marcus Hook, Pa. Mill work, carpentry, painting, mosaic floors, brick work concrete vault. Contract awarded to F. W. Van Loon, Denekla Building, Philadelphia.

## New Jersey Construction News

**School, Summerdale, N. J.** Architect, Thos. Stephen, Temple Building, Camden, N. J. Owners, Board of Education of Summerdale, N. J., care of architect. Brick, 1 story, 40x80 feet, concrete foundations, slate roof, pine floors, hot air heating, electrical lighting, hollow metal skylights, roof ventilators. Plans in progress.

**Dormitory Building, Hightstown, N. J.** Architects, Jackson & Rosencrans, 1328 Broadway, New York City. Owners, Peddie Institute, Hightstown, N. J. Brick and stone, 3 stories, 56x56 feet, slag roof, stone foundations, steam heating. Architects taking revised bids, due December 11th. J. S. Rogers Co., Drexel Building, is figuring.

**Casino, Dock, Swimming Pool and Dance Hall, Seaside Park, Ocean County, N. J., \$20,000.** Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owners, Borough of Seaside Park, Seaside Park, N. J. Frame, 2 stories, cement work, electric lighting. Plans about completed. Will be ready for bids in a few days.

**Residence and Garage, Fourth avenue, Haddon Heights, N. J.** Architect, Carl P. Berger, 1416 South Penn Square, Philadelphia. Owner, Warren Maenah, Haddon Heights, N. J. Hollow tile and stucco, 3 stories, 43x63 feet, tile roof, oak floors, stone foundations, hot water heating, electric lighting. Architect will be ready for bids in a week.

**Residence, Mt. Holly, N. J.** Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, E. E. Logan, Mt. Holly, N. J. Frame, 2½ stories, 24x56 feet, shingle roof, parquet floors, stone foundations, hot water heating, electric lighting, tile work. Architect will be ready for bids in a week or ten days.

## New Jersey Contracts Awarded

**Office Building (alts.), Woodbury, N. J.** Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owners, Crist Real Estate and Insurance Co., Woodbury, N. J. Changing residence into office building, marble floors and walls, warm heating, electric lighting, tile and marble work (counters and cabinet work reserved). Contract awarded to Clark Green, Woodbury, N. J.

**Restaurant, Camden, N. J.** Architect, private plans. Owners, Castle Kid Co., 1516 Broadway, Camden, N. J. Brick and iron, 1 story, 60x50 feet, slag roof, cement floors, electric light, hollow metal skylights. Contract awarded to Mockett Const. Co., Camden, N. J.

## Miscellaneous Construction News

**Bank Building, Lockport, N. Y., \$300,000.** Architect, Paul A. Davis, 3rd, 1713 Sansom street, Philadelphia. Owners, National Exchange Bank of Lockport, Lockport, N. Y. Brick and steel, cut stone, 1 story, 51x62 feet, slag roof, stone foundations, steam heating, electric lighting, tile, marble and terrazzo work, metal lath, rolled steel sash, iron stairs and iron work. Contract awarded to George A. Fuller Co., Buffalo, N. Y.

**Saw Mill, Dillon, S. C., and Kiln Building and Lumber Shed, Fairmount, N. C.** Architect, private plans. Owners, Jackson Bros., Salisbury, N. D. Saw Mill, frame, 2 stories, 75x200 feet, slag roof, maple floors, stone foundations. Kiln and Lumber Shed, brick and frame, 1 story, 186x240 feet, slag roof, maple floors, stone foundations. Contract awarded to Irwin & Leighton, 126 North Twelfth street, Philadelphia.

**Residence, Silver Run, Md., \$40,000.** Architects, Markley & Starr, Spooner Building, Harrisburg, Pa. Owner, A. M. Feezer, on premises. Brick, 2½ stories, 33x58 feet, stone foundations, green slate roof, hardwood floors, vacuum steam heating, electric lighting, tile and marble work. Plans in progress.

**Apartment House, Hagerstown, Md., \$50,000.** Architect, R. Brognard Okie, Crozer Building, Philadelphia. Owner's name withheld. Hollow tile and stucco, 2½ stories, 80x83 feet, electric lighting, steam heating, slate roof. Plans in progress.

**Girls' Dormitory, Roanoke, Va.** Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Viscose Co., care of R. C. Heren, Roanoke, Va. Brick. Plans in progress. Too early for details.

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## Proposals

### INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., November 25, 1919.—Sealed proposals will be opened in this office at 3 P. M., December 23, 1919, for furnishing the labor required in the construction complete, with materials that will be furnished by the Government, of an extension to the animal house for the Hygienic Laboratory, United States Public Health Service, at Washington, D. C. Drawings and specifications may be obtained at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., November 25, 1919.—Sealed proposals will be received at this office until 3 P. M. December 19, 1919, and then opened, for remodeling post office screen at the United States Post Office and Court House, Springfield, Illinois, in accordance with drawing Nos. 53 and M-357D and this specification, copies of which may be had at the office of the Custodian or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., November 26, 1919.—Sealed proposals will be opened in this office at 3 P. M., December 26, 1919, for extension of mailing vestibule and driveway of United States Post Office Building at West Chester, Pa. Drawings and specifications may be obtained from the Custodian of the building at West Chester, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., December 1, 1919.—Sealed proposals will be opened in this office at 3 P. M., December 30, 1919, for the installation complete of two electric elevators in the kitchen and mess hall, United States marine hospital, at New York, N. Y. (Stapleton), in accordance with the drawing and specifications, copies of which may be had at this office in the discretion of the Supervising Architect.—James A. Wetmore, Acting Supervising Architect.

### PROPOSALS FOR ALTERATION OF BUILDING.

PICATINNY ARSENAL, Dover, N. J., December 4, 1919.—Sealed proposals for altering building No. 117, will be received until 1 o'clock P. M. on December 22, 1919, and then opened. Information furnished on application to Commanding Officer, Picatinny Arsenal, Dover, N. J.

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## HEARING OF THE COMMITTEE ON BUILDINGS AND GROUNDS ON HOUSE BILL 7014, WASHINGTON, D. C.,

Remarks by Mr. Milton B. Medary, Jr., representing the American Institute of Architects and the Philadelphia Housing Association at hearing:

The research and experimental work done by the Department of Agriculture has proved of great value to the whole nation. Likewise the research and experimental work of the national government in connection with the reclamation of waste lands is a matter with which the whole nation is concerned. These and other services, however, have to do with the development of the material resources of the nation as a first consideration.

Congressman Tinkham's bill, which has been referred to your Committee, assumes that the welfare and happiness of the countless families of workers throughout the country are equally important as a matter of national concern, demanding the most exhaustive research and the most intelligent experimental work that the national government may be able to bring to bear on the problem.

The rapid growth of slum conditions in the congested areas adjacent to large markets for labor is a national menace, which cannot safely be left to such meagre control as now results from occasional local legislation, generally confined to establishing very low minima of housing and living conditions, and rarely adequately enforced.

The bill before your Committee offers an opportunity to undertake constructive research and experiment looking to the isolation of this germ of disease in the body politic, maintaining it in quarantine and eventually destroying it. It offers the opportunity of conducting such work with public funds belonging to all the people interested, and eliminates the paternalism suspected by the employee as the motive for any interest in housing and living conditions on the part of his employer.

These congested areas now produce great numbers of criminals, insane and unfit, and we are meeting the situation with more courts, corrective institutions, asylums and hospitals. We legislate against the admission of these classes to our shores, and at the same time tolerate conditions which must and do produce them as native born citizens.

The children born in this environment are the citizens of a few years hence. You are their representatives in the American Congress. Yours is the opportunity to determine whether or not the

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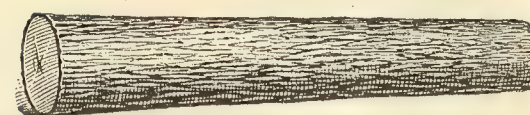
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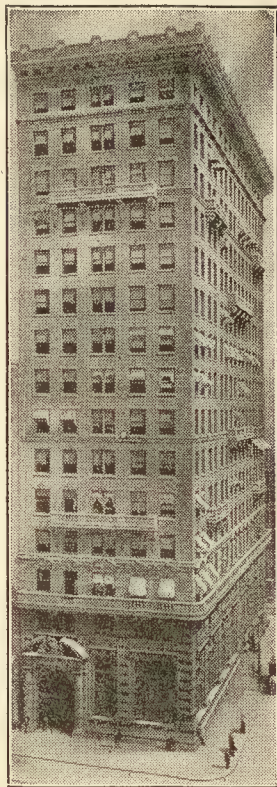
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conditions under which they must develop their lives is now affecting, or will in the future affect the morale of the nation, by authorizing the study of their environment as a function of the Federal Government.

Such work as has been done along the lines provided for in Mr. Tinkham's bill has disclosed the far-reaching character of any investigation which attempts to go to the root of the problem.

The number of families which may be housed on a given area of land without depriving them of light, air and space for recreation, the rise in the value of the land by housing a large number of families on a small area, and the effect of this high value in prohibiting a return to less congested use of the land are some of the phases of the problem which demand the most careful and disinterested consideration. The Department of Agriculture has done much to inform the American farmer of the relation between the intelligent use of land and the sustained value of its products. It would be one of the functions of a bureau of housing and living conditions to determine the extent to which land values may be developed at the expense of the physical, moral and mental welfare of those who live upon it with the consequent charge against the whole community. Cannot such a bureau parallel the service rendered by the Agricultural Department to rural populations by informing urban populations of the consequences of unintelligent abuse of land versus its legitimate development?

As an example of conditions as they are developing throughout the country, I have in mind one of the smaller cities in Pennsylvania, which came under my observation while conducting one of the housing projects for the United States Housing Corporation. This city, founded by a religious sect on communal principles, maintained its characteristics as a green village with ample open space and planted areas available for every family for nearly two centuries, but, in spite of those traditions, the rapid growth of a great industrial plant has recently resulted in the creation of a blighted area in which overcrowding and the destruction of decent living conditions go on unchecked.

It is with the hope that research and experimental work conducted for the dissemination of public information by a bureau such as that proposed in H. R. 7014 may result in a more intelligent appreciation of housing and living conditions as a vital national problem that I earnestly ask your favorable considera-

tion of Congressman Tinkham's bill. In supporting this bill I am representing the American Institute of Architects and the Philadelphia Housing Association, who have asked me to convey their endorsement of the bill to your Committee.

### BRICK—HOW TO FIGURE AND ESTIMATE

Under the above title, a book has been issued by the Common Brick Manufacturers' Association and is now offered to the contractors and builders of the country as a part of the association's propaganda of education and business building for common brick. It is a compendium of information touching on brick construction, dealing particularly with small buildings in connection with which, as a rule, architects are not employed, but the work left in the hands of the contractor. The book contains a great deal of valuable information which will help the contractor who really desires to use brick in the construction of homes and moderate cost buildings. There is a chapter on the composition of mortars, which alone is ample justification for the publication, and that is but a very small part of its contents. It is being advertised in one or two of the journals devoted to contracting and offered to the trade at the nominal sum of \$1.00 per copy. Brick manufacturers will do well to see that the contractors and builders of their own locality are supplied with this and other publications of the Common Brick Manufacturers' Association, Ralph P. Stoddard, secretary, Conway Building, Chicago.

It is an A. B. C. of brick building, with architectural drawings, detailed information and photographs of actual construction that will inform the contractor who has been accustomed to frame construction on how to figure brick work. Also it illustrates and demonstrates how brick construction is actually cheaper now as well as better. The data for the book was prepared by William Carver, a Chicago architect, and it can be made to serve a splendid purpose in the promotion of better building.

America stands supreme in the development and use of advertising, and advertising is the seed which by implanting desire produces the fruit of social advancement. Education promotes efficiency and efficiency in turn makes possible higher earning power, higher purchasing power and improved living conditions.

### Safety Guards

### Wire Window Guards

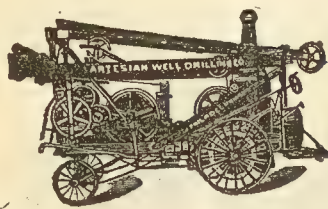
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# An Architectural and Building Trades Directory OF PHILADELPHIA

Will be Published in

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January, 1920

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## KEEPING ACCURATE ACCOUNTS IS ONE WAY TO MAKE MONEY

### Knowledge of Fundamentals of Business Is Important Factor—Uniform System for Contractors Advocated

The theory that any accountant can step in, and take charge of your books for a short while and then tell you more about your own business than you know yourself, does not sound reasonable to Tom P. McGrath, of the McGrath Land and Gravel Co., of Lincoln, Ill. He argues that an accountant ought to specialize in one particular business in order to be thoroughly efficient in that business, because a careful study of the peculiar conditions surrounding the business is a matter of necessity.

Just to show that he practices what he preaches, Mr. McGrath gives a number of accounting hints for a sand and gravel business. Here they are:

**Liability Insurance.**—Present statement to your insurance agent of losses sustained during the years of operation, and if losses are low and the rate is high keep on the subject until after an experience rating is given.

**Fire Insurance.**—The same thing applies here. If all the operators have this matter up, we will have more success in getting a reduction in rates.

**New Accounting.**—Immediately upon the opening of a new account, get a rating and preserve it.

**Collections.**—Use a good follow-up system. Be able to write a good letter and not one of the rubber stamp kind. A good letter is short and direct, diplomatic and at the same time, convincing.

**Bookkeeping.**—Trial balance system, statements of assets and liabilities, and trading profit and loss, as often as necessary to keep in touch with the condition of the company, at least once a month.

**Operating.**—Watch the daily tonnage report. If not up to the standard, notify the manager of operations, and then it is up to him to correct the fault.

**Banking.**—Watch your bank account and never overdraw. It is a bad habit and destroys credit.

**Stripping.**—The cost of stripping or overburden, should be placed in Miscellaneous Assets, and monthly charges made against this account in accordance with the amount of stripped surface consumed.

**Bad Accounts.**—When every means to collect an account have failed, charge it off. Then if later on the account is col-

lected, apply it to the earnings of the current year.

**Taxes.**—The accountant should familiarize himself with the normal income, excess and war profit tax exemptions, allowances and deductions as they affect his own line of business.

**Depreciation.**—The rate of depreciation should be arrived at in the same way as an experience insurance rate is figured, namely, if the average life of your plants in the past has been ten years, the depreciation should be charged at 10 per cent. of the original cost. A replacement reserve account should be opened and credited with the amount charged to depreciation. If the replacement reserve becomes equal to the original cost of the plant no further charge.

**Obsolescence.**—In case the plant becomes obsolete before the replacement reserve has become equal to the original cost of the plant, the difference between the replacement reserve and the original cost, minus the salvage value, should be charged to obsolescence.

If you are operating a plant whose normal life is ten years, on property on which you have a lease for only five years, without privilege of extension, then a yearly charge of 10 per cent. for depreciation and an additional 10 per cent. for obsolescence, making a 20 per cent. charge against the original cost, should be made.

**Repairs and Supplies.**—When repairs and supplies are bought to maintain the plant in operation, they should be charged against expense, and not entered under assets which would show an increased valuation of your plant.

**Depletion.**—The depletion charge allowed by the Government in computing taxes, is based upon the cost of the gravel property, plus the cost of that part of the property that the plant, equipment and switch tracks occupy, from under which the sand gravel cannot be excavated.

L. A. Weatherwax, of Hendrickson & Co., Inc., contractors, of Seattle, Wash., makes a plea for standardization of accounting methods among contractors. He begins his argument by recalling the all too familiar situation at the opening of bids for almost any piece of construction work. Almost without excep-

tion, the bids are so varied because of the different methods of accounting used by the bidders, that those in charge of awarding the work are inclined to grow suspicious of each and every bidder, and of contractors as a class.

It ought not to be hard to devise a uniform system, because the great majority of contractors are operating on an invested capital of not more than \$100,000. Furthermore, unless the contractors devise such a system themselves, the Government will probably step in and do it for them.

The periodical collections for state industrial insurance, medical aid funds, etc., make it necessary that the contractor should know just where he stands. The frequent inquiries from Dun and Bradstreet for credit data, and last, but not least, the things that the banks want to know and have a right to know when the contractor goes to them to borrow money, all emphasize the necessity for a uniform system of accounting. It is bound to come some time, and the contractor undoubtedly could hasten its coming if he would start the ball rolling without delay.—“Successful Methods.”

\* \* \*

### ENTHUSIASM

Enthusiasm is the greatest business asset in the world. It beats money, and power, and influence. Single handed, the enthusiast convinces and dominates where the wealth accumulated by a small army of workers would scarcely raise a tremor of interest. Enthusiasm tramples over prejudice and opposition, spurns inaction, storms the citadel of its object, and like an avalanche, overwhelms and engulfs all obstacles. Enthusiasm is nothing more or less than faith in action. Faith and initiative, rightly combined, remove mountainous barriers and achieve the unheard of and miraculous. Set the germ of enthusiasm afloat in your business; carry it in your attitude and manner; it spreads like contagion and influences every fibre of your industry before you realize; it begets and inspires effects you did not dream of; it means increase in production and decrease in costs; it means joy and pleasure and satisfaction to your workers; it means life, real and virile; it means spontaneous bed-rock results—the vital things that pay dividends.—*Exchange.*

You know what propaganda is, don't you? You know, too, how effective a weapon it is, if used properly, don't you? Well, advertising—honest, fair advertising—is the best propaganda we know of. Join the propagandists now! Advertise in the “Builders' Guide.”



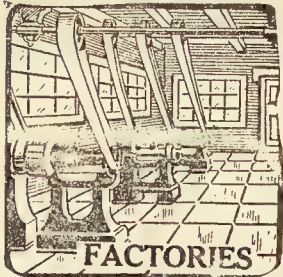
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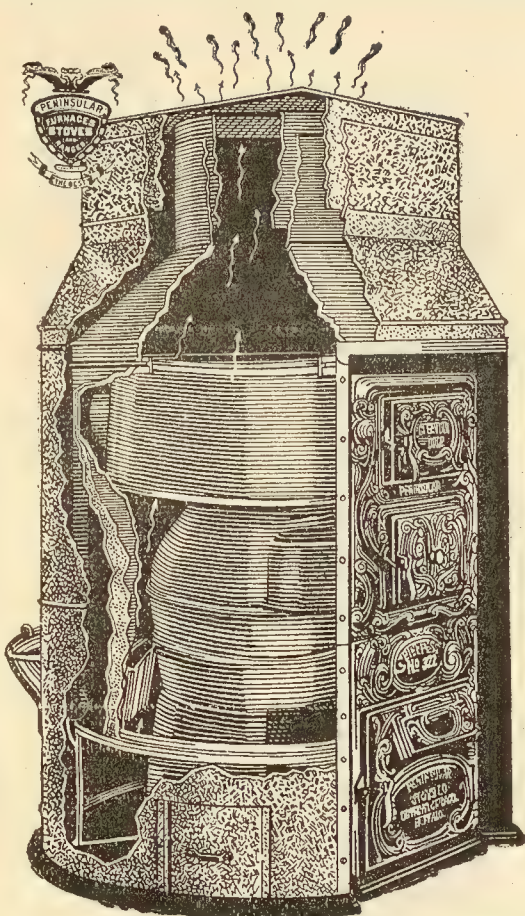
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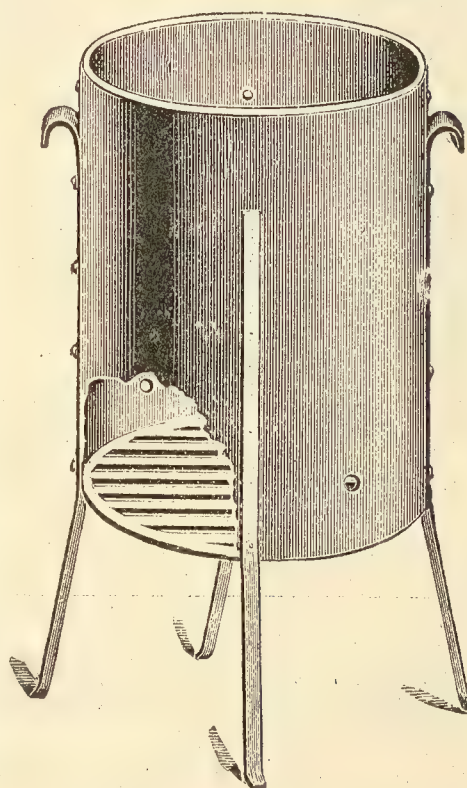
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Montgomery Iron & Steel Co. ....1832 N. 9th St., Phila.  
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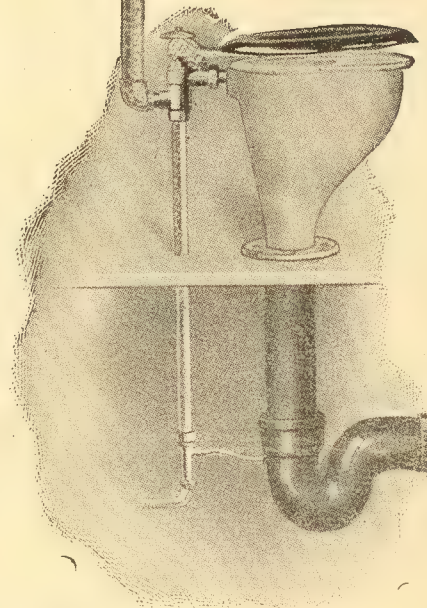
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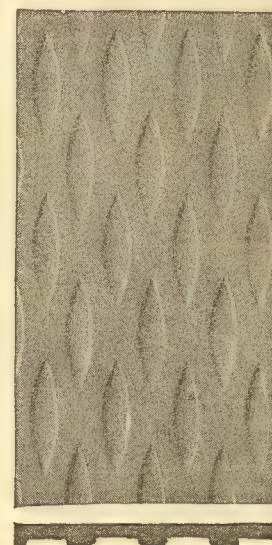
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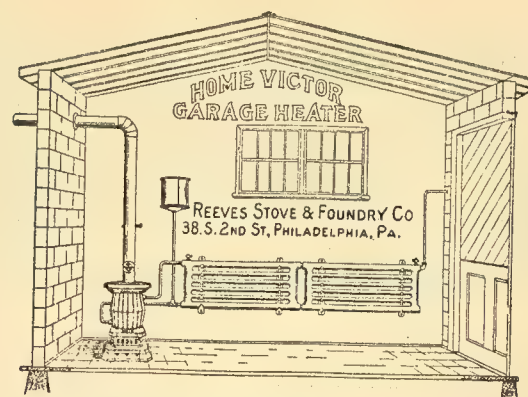
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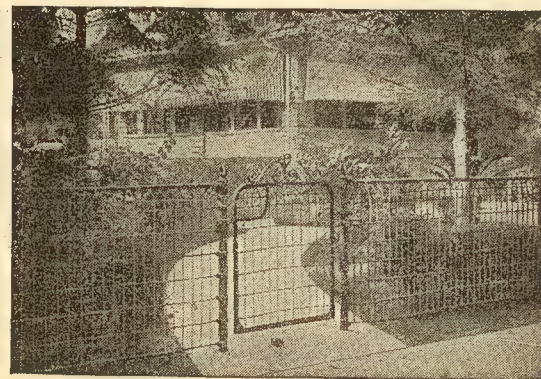
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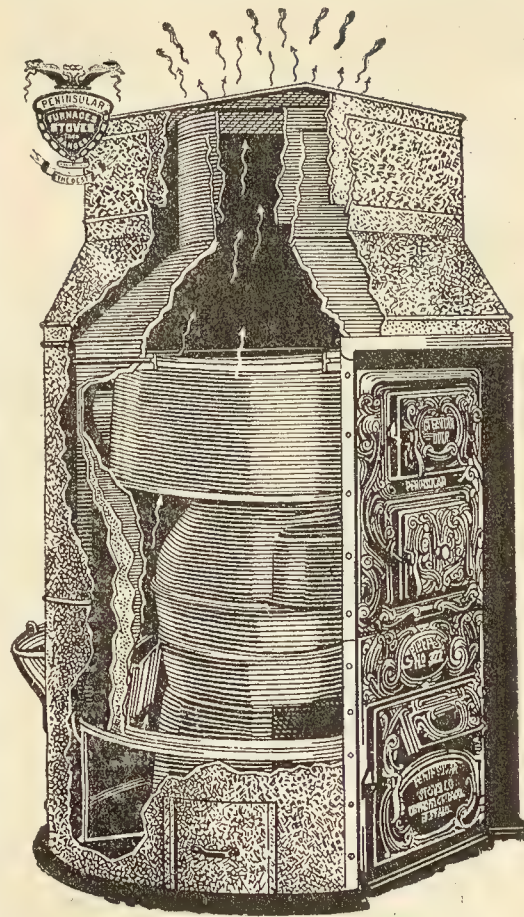
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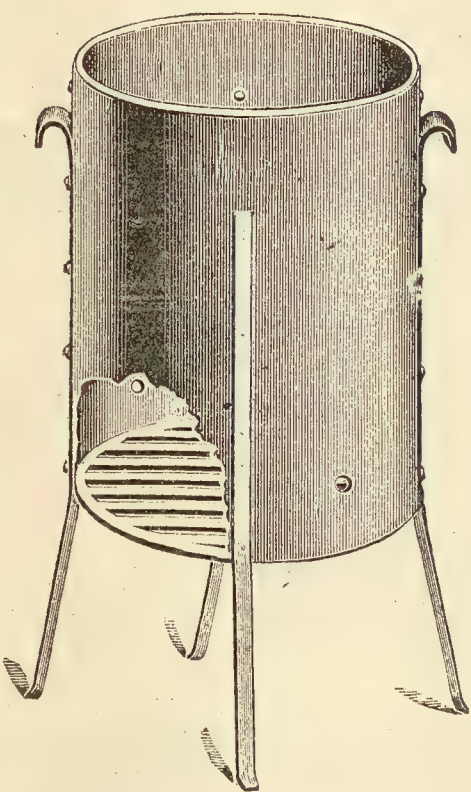
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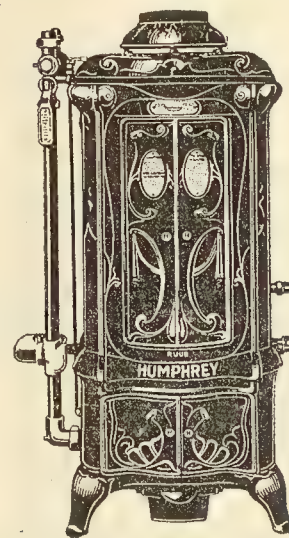
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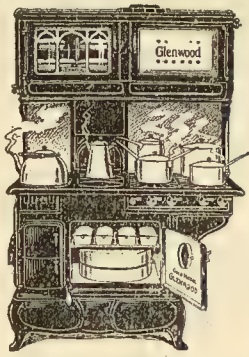
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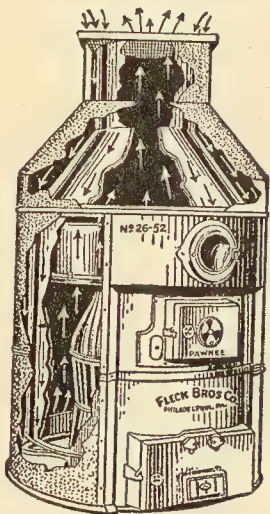


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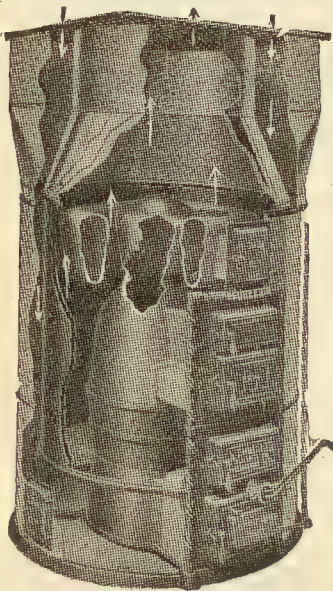
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# BUILDERS' GUIDE

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VOLUME XXXIV

Number 51

PHILADELPHIA

December 17, 1919

## BUILDERS' GUIDE

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## As The Editor Sees It



WE would not, as free American citizens, question the right of individuals to strike. But when such disorders as the police strike of Boston and such national disasters as the more recent coal strike occur, it is time to go deeper than the mere satisfying of demands for higher wages. Issues are at stake involving the very soul of Americanism and problems must be solved now and for all time—problems which have been unheeded but none the less existed for years. That there is fault on the side of the unions is true; it is, however, true that there is fault on the side of the employer and it is only fair to examine the salient points of the situation from every angle. Some interesting sidelights on the situation in the coal fields are given by *Manufacturers News*, which states that—

“There are 90,000 men and boys in Illinois, or somewhere like that number, who are practically in as much slavery as the colored man was before the civil war. They are not put up on any auction block and sold to the highest bidder, nor is the lash of a blacksnake whip applied to their bodies, but in every other sense of the word they are slaves.

“For twenty years labor union officials have bullyragged the legislature into passing mining laws and they now have it fixed so that no man can dig coal in Illinois unless he belongs to the union and no man can join the union unless he

sells his birthright to the union officials.

“Now, *Manufacturers' News* stands for protection against accident to the very last degree and it is in favor of barring from the coal mines the drunken, the careless and the inconsiderate, but it does not understand why it is necessary to break the spirit of a man who wants to follow the honorable vocation of working in the bowels of the earth by making him join a union headed by some big bully or some overbearing, domineering socialist whose principles are antagonistic to liberty, life and happiness.

“How many people in the State of Illinois, outside of those engaged in the coal industry, know that there is a statute which provides for the organization in each county where coal is mined of a board of three practical miners who are appointed by the county judge for the purpose of investigating and determining the competency of applicants for work in coal mines? We think we are safe when we challenge anyone who may be interested to produce the name of a man on any of these boards in counties where there is considerable mining who is not dominated by the union.

“Most of the other states, outside of West Virginia and Pennsylvania, having coal fields are bound as tightly as is Illinois.

“Who puts on the shackles?”

Such conditions as these are, of course, essentially un-American, and can only be

overcome by radical change in the industrial fabric. We must understand just what it is that the workingman is aiming at, just what is causing the unrest and dissension of this critical period. Of course, it is well known that in many cases strikers do not realize just what they are striking for. The real remedy lies in taking away causes of dissatisfaction and unrest. In President Wilson's message to Congress, he said, referring to the workingman and his wants, it is his desire to make the conditions of his life and the lives of those dear to him tolerable and easy to bear.

Let us be frank about this solemn matter. The evidences of worldwide unrest which manifest themselves in violence throughout the world bid us pause and consider the means to be found to stop the spread of the contagious thing before it saps the very vitality of the nation itself.

Do we gain strength by withholding the remedy? Or is it not the business of statesmen to treat these manifestations of unrest which meet us on every hand as evidences of an economic disorder and to apply constructive remedies wherever necessary, being sure that in the application of the remedy we touch not the vital tissues of our industrial and economic life. There can be no recession of the tide of unrest until constructive instrumentalities are set up to stem that tide.

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Governments must recognize the right of men collectively to bargain for humane objects that have in their base the mutual welfare of those engaged in all industries. Labor must not be longer treated as a commodity. It must be regarded as the activity of human beings possessed of deep yearnings and desires. The business man gives his best thought to the repair and replenishment of the machinery so that its usefulness will not be impaired and its power to produce may always be at its height and keep in full vigor and motion. No less regard ought to be paid to the human machine, which after all propels the machinery of the world and is the greatest dynamic force that lies back of all industry and progress.

Return to the old standards of wage and industrial unemployment are unthinkable. The terrible tragedy of war, which has just ended and which has brought the world to the verge of chaos and disaster, would be in vain if there should ensue a return to the conditions of the past.

Europe itself, whence has come the unrest which now holds the world at bay, is an example of standpatism in these vital human matters which America might well accept as an example, not to be followed, but studiously to be avoided. Europe made labor the differential, and the price of it all is enmity and antagonism and prostrated industry. The right of labor to live in peace and comfort must be recognized by government and America should be the first to lay the foundation stones upon which industrial peace shall be built.

Labor not only is entitled to an adequate wage, but capital should receive a reasonable return upon its investment and is entitled to protection at the hands of the government in every emergency.

The right of individuals to strike is inviolate and ought not to be interfered with by any process of government, but there is a predominant right and that is the right of the government to protect all of its people and to assert its power and majesty against the challenge of any class. The government when it asserts that right seeks not to antagonize a class, but simply to defend the right of the whole people as against the irreparable harm and injury that might be done by the attempt by any class to usurp a power that only government itself has a right to exercise as a protection to all.

In the matter of international disputes which have led to war, statesmen have sought to set up as a remedy arbitration for war. Does this not point the way for the settlement of industrial disputes, by the establishment of a tribunal, fair and just alike to all, which will settle

industrial disputes which in the past have led to war and disaster? America, discussing the evil consequences which have followed out of such disputes between these contending forces, must not admit itself impotent to deal with these matters by means of peaceful processes. Surely, there must be some method of bringing together in a council of peace and amity these two great interests out of which will come a happier day of peace and co-operation, a day that will make men more hopeful and enthusiastic in their various tasks, that will make for more comforts and happiness in living and a more tolerable condition among all classes of men.

Certainly human intelligence can devise some acceptable tribunal for adjusting the differences between capital and labor. This is the hour of test and trial for America. By her prowess and strength and the indomitable courage of her soldiers, she demonstrated her power to vindicate on foreign battlefields her conceptions of liberty and justice. Let not her influence as a mediator between capital and labor be weakened and her own failure to settle matters of purely domestic concern be proclaimed to the world.

There are those in this country who threaten direct action to force their will upon a majority. Russia, today, with its blood and terror, is a painful object lesson of the power of minorities. It makes little difference whether that minority is capital or labor, or any other class, no sort of privilege will ever be permitted to dominate this country. We are a partnership or nothing that is worth while. We are a democracy, where the majority are the masters, or all the hopes and purposes of the men who founded the government have been defeated and forgotten.

In America there is but one way by which great reforms can be accomplished and the relief sought by classes obtained, and that is through the orderly processes of representative government. Those who would propose any other method of reform are enemies of this country. America will not be daunted by threats nor lose her composure of calmness in these distressing times. We can afford, in the midst of this day of passion and unrest, to be self-contained and sure.

The instrument of all reform in America is the ballot. The road to economic and social reform in America is the straight road of justice to all classes and conditions of men. Men have but to follow this road to realize the full fruition of their objects and purposes.

Let those beware who would take the shorter road of disorder and revolution. The right road is the road of justice and orderly process.

The truth of President Wilson's generalities is borne out by the specific example of the Hydraulic Pressed Steel Co. of Cleveland. As told by Ernest E. Bell, Vice-president of that Company, in *Building Industry*, Mr. Bell's article, "Management's Responsibility to the Human Element in Industry," follows:

\* \* \*

#### Managements Responsibility to the Human Element in Industry.

By ERNEST E. BELL.

The question of the relationship between Capital and Labor is more potent today in possible results, either for good or evil, than any question that has ever faced the civilized world. It is a question upon which volumes have been written by sociologists and economists, and upon which oratory has been expended by many politicians and a few statesmen.

At Hydraulic we recognized the importance of reaching a right solution of this problem some seven years ago, but more recently we have come to realize that the preservation of our industrial life depended upon reaching this solution quickly. And those responsible for the conduct of the Hydraulic business, Hydraulic management, considered the solution of this problem as worthy of their most careful analysis and consideration, as it became vital, not only to profit-earning, but industrial existence.

We are manufacturers. Production is one of our vital problems. Production consists of the application of labor to material largely through mechanical operation. In our mechanical operations we employ engineering and mechanical experts, chemists, physicists and specialists of every character, to locate the causes of undesirable or unprofitable results in production. The labor problem is that of human element in production. Why, therefore, is it not common-sense and good business to apply the same general principles in locating difficulty with the human element as with the material element? If we must analyze the material which goes into our product—subject it to the scrutiny of the chemist and physicist, in order to locate the cause for unsatisfactory results, why should we be less diligent in our study and analysis of the human element, to find its reasons for unrest and dissatisfaction in the industrial relationship?

Man, since his creation, has been endowed with some attribute which demands the recognition and preservation of his self-respect. Since the dawn of history fundamental causes of war and bloodshed have been strife for the right of self-expression—for the maintenance of self-respect. So long, therefore, as we

(Continued on Page 824.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Residence (alts.),** 1319 Locust street, Philadelphia. Architects, Mills & Van Kirk, Harrison Building, Philadelphia. Owner, Dr. Joseph Leidy, on premises. General interior alterations, vapor vacuum heating, electric lighting, plumbing, mill work. Architects will take bids in a few days.

**Store and (2) Family Residence (alts. and add.),** 49 North Fifty-second street, \$5,000. Architect, private plans. Owner, Joseph Lombardi, on premises. Brick, 3 stories, 16x16 feet, front, rear, 3 stories, 12x45 feet, rear, 2 stories 12½x14½ feet, slag roof. Owner will build.

**Garage,** Third and Cambridge streets, Philadelphia. Architects, Greisler Abramson Co., Lafayette Building, Philadelphia. Owner, name withheld. Brick, 1 story, 60x200 feet, slag roof, cement floors, metal lath, terra cotta (ornamental) cement floor, roof ventilators, steel rolling doors, steel sash, hollow metal skylights, steam heating, electric lighting, stone and concrete foundations. Plans in progress.

**Building (alts. and add.),** 810 Arch street, Philadelphia. Architect, J. Ethan Fieldstein, Penfield Building, Philadelphia. Owner, name withheld. Brick and stone, 3 stories, 19x125 feet, electric lighting, plumbing, flush bulks, new front. Architect taking bids due December 19th. Jacob Gorchov, 4116 Girard avenue, and Albert Lashner, care of architect, are figuring.

**Building (alts.),** 2017 Arch street, Philadelphia. Architects, Hoffman-Henon, Inc., Finance Building, Philadelphia. Owners, County Commissioners, City Hall, Philadelphia. Brick work, mill work, painting, glazing, terra cotta, plastering, steam heating, metal ceiling, electric lighting, marble work, iron work. Owners have received bids.

**Building (alts.),** 811-21 Cherry street, Philadelphia. Architect, Jesse T. Hoekstra, Presser Building, Philadelphia. Owner, William Lipkin, on premises. Brick work, structural steel, iron work, carpentry, mill work, painting and glazing, tile work, metal lath, plastering (elevator, electric lighting and heating reserved). Architect has received bids.

**Building (alts. and add.),** 1526 Vine street, Philadelphia. Architect, J. Ethan Fieldstein, Penfield Building, Philadelphia. Owner, Star Radiator Co., care of architect. Brick, 1 story, add. 18x50 feet, slag roof, pine floors, steam heat, electric lighting, plumbing. Plans in progress.

**Garage,** 1435 Point Breeze avenue, Philadelphia. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owner, M. Rosenbaum, Point Breeze avenue and Dickinson street. Brick and steel, 2 stories, irregular size, slag roof, cement floor, steam heating, electric lighting, stone foundations. Architect will be ready for bids in a few days.

**Dwelling (alts. and add.) to Store and Dwelling,** 6318 Woodland avenue. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owner, A. Yentis, 18 North Fifty-second street, Philadelphia. Brick, 2 story rear add., 21x24 feet, slag roof, maple floors, stone foundations, hot water heating, electric lighting, tile and marble work, flush bulks, metal ceilings. Architect is ready for bids.

**Residence (alts. and add.),** Southeast Corner Forty-ninth and Ogden streets, Philadelphia. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owner, John Dooney, care of architect. Brick, 2 story add., 18x24 feet, slag roof, pine floors, hot air heat, electric lighting, flush bulks. Owner is ready for bids.

**Warehouse,** Northeast Corner Front and Pine streets, Philadelphia. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owner, Isaac Rabinovitz, Northwest Corner Front and Pine streets. Brick, 4 stories, 20x40 feet, slag roof, pine floors, hand elevator, electric lighting. Plans in progress. Owner will take bids.

**Bank (alts.),** 925 Chestnut street, Philadelphia. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owner, Federal Reserve Bank, on premises. Rearranging partitions, metal screens, wood partitions, mill work, carpentry. Architects have received bids.

**Church,** Ruscomb street, between Thirteenth and Camac streets, Philadelphia. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owner, Logan Baptist Church, Broad and Rockland streets, Philadelphia. Stone. Architect selected. Too early for details.

**Commercial Building,** 825-27 Arch street, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owners, Schwartz & Noble, 311 South Fifth street, Philadelphia. Brick, steel and concrete. Plans in progress. Too early for details.

**Social Centre,** 551-53 North Fifth street, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Goodwill Industries Bureau, Board of Home Missions and Church Extension of the Methodist Episcopal Church, 1701 Arch street, Philadelphia. General alterations and additions. Plans in progress.

**Residence Operation,** Forty-ninth street, between Pine and Larch wood avenue, \$7,000 each. Architect, I. Demschick, 2420 South Third street, Philadelphia. Owner, Rose Const. Co., 1112 Widener Building, Philadelphia. Brick and stone, 2 stories, 20x52 feet, tile roof, oak floors, hot water heating, electric lighting, marble work, iron work. Owners will be ready for sub-bids after January 1st.

**Garage,** Warrington avenue, West of Fiftieth street, \$3,000. Architect, private plans. Owner, W. V. Morris, 711 South Fifty-second

street, Philadelphia. Brick, 1 story, 26x18 feet, 18x81½ feet, slag roof. Owner will build.

**Garage,** Warrington avenue, West of Fiftieth street, \$5,000. Architect, private plans. Owner, W. V. Morris, 711 South Fifty-second street, Philadelphia. Brick, 1 story, 14½x86 feet and 37½x81½ feet, slag roof, electric lighting. Owner will build.

**Residences (32),** Fifty-sixth street and Warrington avenue, Philadelphia, \$162,000. Architect, private plans. Owner, James C. Enburg, 5200 Wynnefield avenue, Philadelphia. Brick, 2 stories, 16x42 feet and 16x31 feet, 13½x11 feet, hot water heating. Owner will build.

**Residences (32),** Marshall, Grange and Chew streets, \$140,000. Architect, private plans. Owner, W. Fischer's Sons, Hutchinson and Ruscomb street, Philadelphia. Brick, 2 stories, 16 feet 3 inches x40 feet and 15x29 feet and 12x10 feet 3 inches, hot water heating. Owner will build.

**Residences (2) (alts. and add.), 1 to Apartment House and Garage in Rear,** 1509-11 Erie avenue, Philadelphia. Architect, Edwin L. Rothschild, 1011 Chestnut street, Philadelphia. Owner, Isaac Leblang, 3644 North Broad street, Philadelphia. General alterations and additions, new lighting and heating, tile and marble work, hardwood floors, changing partitions, garage, brick, 1 story, 30x32 feet, slag roof, cement floor, stone foundations hot water heat extension, electric lighting. Architect is taking bids.

**Stores (8),** Broad street, below Erie avenue, Philadelphia. Architect, George B. Roth, Widener Building, Philadelphia. Owner, Paul Rineck, 3761 North Eighteenth street, Philadelphia. Brick, 1 story, 20x100 feet, slag roof, pine floors, stone foundations, electric lighting. Architect is taking sub-bids.

**Garage and Meeting Hall,** Sixteenth and Bainbridge streets, Philadelphia. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, Hotel Brotherhood, U. S. A., care of architect. Brick and limestone, 2 stories, 67x200 feet, slag roof, cement and maple floors, concrete foundations, steam heating, electric lighting. Plans in progress.

**Bulkhead,** Columbia avenue, and **Side Walls,** Vine street, Philadelphia. Architect, private plans. Owners, Department of Wharves, Docks and Ferries, Bourse Building. Piling and timber, concrete resurfacing on side walls. Owners taking bids due December 22nd.

**Residence (alts.) to Store and Apartments (2),** 39 North Fifty-second street. Architect, E. Allen Wilson, 1218 Chestnut street. Owner, J. Donovan, 36 South Delaware avenue, Philadelphia. Brick, third story add., stone foundations, hot water heat, electric light, tile work, pine floors. Architect taking bids due December 23rd. LeRoy K. Smith, Forty-



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first and Chester avenue; J. D. Fisher, 5424 Thompson street; Samuel J. Rea & Son, 1608 Fairmount avenue; Smith-Hardican Co., 1606 Cherry street, and Clark & Co., 11 South Fifty-second street, are figuring.

**Garage**, Orianna street, rear of 853-65 North Fourth street. Architect, Van Rensaleer H. Green, 154 Nassau street, New York City. Owners, Colonial Ice Cream Co., care of Edw. Trainer, president, 820 South Second street. Reinforced concrete and brick, 3 stories, 78x95 feet, slag roof, concrete floors, hollow tile, safety treads, concrete foundations, electric lighting, rolled steel sash, fire doors. Architects taking bids. Irwin & Leighton, 126 North Twelfth street, and F. A. Havens Co., 845 North Nineteenth street, are figuring.

**Building (add.)**, rear of 325-27-29 Market street, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Markovitz Bros., 325-39 Market street, Philadelphia. Brick, 1 story, slag roof, stone foundations, pine floors. Architects have received bids.

**Residences (68)**, Fifty-second and Litchfield and Beaumont streets, \$340,000. Architect, private plans. Owner, Charles E. Bidle, 1105 Real Estate Trust Building, Philadelphia. Brick, 2 stories, 16x32 feet, slag roof, hot water heating, electric lighting. Owner will build.

**Office Building, Garage and Coal Trestle**, Luzerne and E streets. Architects, Stuckert & Co., Crozer Building, Philadelphia. Owner's name withheld. Brick, 1 story, 15x20 feet and 24x60 feet. Trestle, steel and concrete, 450 feet long, cement and pine floors, slag roof. Architect taking sub-bids.

**Factory Building**, northeast corner of Baynton and Chelton avenues, Germantown. Architect, Frank V. Nickels, 4400 Manayunk avenue, Philadelphia. Owner's name withheld. Brick and concrete, 3 stories, 72x126½ feet or 72x223½ feet, slag roof, cement floors, stone foundations, rolled steel sash, fire doors, hollow metal doors, iron work, stone foundations (heating, lighting, elevator and plumbing reserved). Architect taking bids, due December 20th at 10 A. M. Cramp & Co., Denekla Building; Irwin & Leighton, 126 N. Twelfth street; Warren-Moore Co., Colonial Trust Building, and Hughes Foulkrod Co., Commonwealth Building, are figuring.

**Residence (alts. and add.)**, 1701 Diamond street, Philadelphia. Architect, Alex. M. Adams, 1012 Walnut street, Philadelphia. Owner, Dr. Katherine L. Storm, on premises. Oak and cork tile floors, metal lath, carpentry, millwork, painting, glazing, hardware, brick and stone work. Architect taking bids, due December 18th. F. E. Wallace, 1220 Chancellor street; F. B. Davis, 240 North Sixteenth street; J. Y. Loux, 3731 Old York Road, and Robt. Beatty & Bro., 2321 East Fletcher st., are figuring.

**Residences (4)**, Large street, Foulkrod to Herbert street, \$26,000. Architect, private plans. Owner, Frank C. Dure, 5417 Frankford avenue, Philadelphia. Brick, frame and stucco, 2 stories, 20x28 feet, hot water heat. Owner will build.

**Building (repairs)**, 708 North Seventh st., Philadelphia. Engineer not yet selected. Owner, Benj. E. Sattler, 200 Penn Square Building, Philadelphia. Brick work and masonry. Owner ready for bids.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

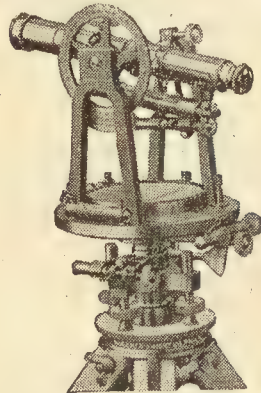
**Residence (alts. and add.)**, Green and Johnston streets, Germantown. Architect, Laurence Visscher Boyd, Harrison Building, Philadelphia. Owner, Isaac S. Smyth, Jr., 6123 Green street, Germantown. General alterations and additions, new heating. Contract for carpentry and mill work awarded to David Parker, 233 East Hortter street, Germantown.

**Shipping Offices (add.)**, Ontario street, West of Third street, \$10,000. Architect, private plans. Owner, Liggett Myers Tobacco Co., on

premises. Brick, 1 story, 32x122 feet, slag roof, steam heat, electric light. Contract awarded to the Austin Co., 1020 Bulletin Building, Philadelphia.

**Building (add.)**, 2411 Morris street, Philadelphia, \$8,000. Architect, private plans. Owners, Standard Dental Mfg. Co., Twenty-fifth and Diamond streets, Philadelphia. Reinforced concrete, 1 story, 36x25 feet, stone foundations, slag roof, concrete floors, iron work (heating and electric work reserved). Contract awarded to P. Haibach Cont. Co., Twenty-sixth and Thompson streets.

**Garage**, 137 Berkley street, Philadelphia, \$4,000. Architect, F. J. Schwartz, Colt Building, Paterson, N. J. Owners, Van Straaten



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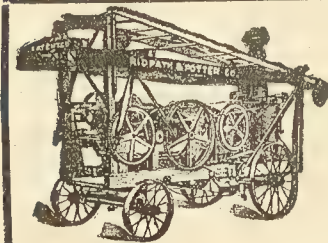
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& Havey, 1815 Bristol street, Philadelphia. Brick, 1 story, 19x56 feet, slag roof, cement floors stone foundations, iron work (heating and electric work reserved). Contract awarded to Thomas M. Keely, 4411 Germantown avenue, Philadelphia.

**Building (alts.)**, 1639 South Broad street, Philadelphia, \$3,000. Architect, private plans. Owner, William Gericke, on premises. New bulk window and mill work. Contract awarded to H. D. Prettyman, 2603 South Broad street, Philadelphia.

**Mill Building**, Lena street, South of Arrott street, Germantown, Philadelphia, \$2,000. Architect, private plans. Owner, Continental Mills, Inc., on premises. General alterations. Contract awarded to H. L. Sweger, 4435 North Uber street, Philadelphia.

**Factory and Storage Building**, Southeast Corner Clearfield and Howard streets, Philadelphia, \$45,000. Architect, private plans. Owners, Franklin Process Co., Clearfield and Hope streets, Philadelphia. Brick, 2 stories, 75½x103 feet, slag roof, steam heating, electric lighting, cement and pine floors, rolled steel sash. Contract awarded to H. W. Bishop Co., Providence, R. I.

**Store Building (alts.)**, 1010 Chestnut street, Philadelphia. Architect, David B. Bassett, Perry Building, Philadelphia. Owners, Shaw Walker Co., Washington, D. C. Brick, steel, brick and stone work, carpentry, mill work, kalamein doors, metal sash, repairing roof, painting, glazing, electric work, steel and iron work, steam heat. Contract awarded to Lam Building Co., 1001 Wood street.

**Wagon Factory**, Southeast Corner Second and Norris streets, Philadelphia. Architect, Frank V. Nickles, 4400 Manayunk avenue, Philadelphia. Owner, Keystone Wagon Works, 1949 North Second street, Philadelphia. Brick, 1 additional story (making new building 2 stories), slag roof, cement floors. Architect

is drawing plans and contract awarded to Hurley Bros., Newtown Square, Pa.

**Bank**, 4022-24 West Girard avenue, Philadelphia, \$25,000. Architect, A. L. Levy, 3960 Pennsgrove street, Philadelphia. Owners, United Bank & Trust Co., on premises. Brick and terra cotta, 1 story and mezzanine, 40x95 feet, slag roof, vapor vacuum heating, electric lighting, tile or terrazzo work, marble work, bronze doors and grills, wood screens, hardware. Contract awarded to Samuel Levin, 1631 South Fifth street, Philadelphia.

**Store and Office**, Fourth and Girard avenue, Philadelphia. Architect, J. Ethan Fieldstein, Penfield Building, Philadelphia. Owner, Samuel Lerner, on premises. Brick, 2 stories, 17x100 feet, slag roof, maple and pine floors, stone foundations, hot water heating, electric lighting, tile and marble work, metal lath and ceilings, iron work. Contract awarded to Jacob Gorchoy, 4216 Girard avenue, Philadelphia.

**Foundations for Washington Monument**, Fairmount Park, \$40,500. Architects, Associate, Horace Trumbauer & Zantzinger, Borie & Medary, Land Title Building. Owners, Commissioners of Fairmount Park, Room 127, City Hall. Stone, concrete and steel. Contract awarded to Standard Const. Co., 1713 Sansom street, Philadelphia.

**Bank Building**, Girard and Frankford avenues, Philadelphia, \$85,000. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owners, Kensington National Bank, on premises. Brick, granite, concrete, 1 story, 50x55 feet, slag roof, steam heat, electric lighting, tile, marble work, terrazzo (bank fixtures, screens and vault reserved). Contract awarded to A. R. Raff Cont. Co., 1635 Thompson street.

**Residence, Store and Garage**, Fifth street, South of Duncannon avenue, \$20,000. Architect, private plans. Owner, Sadie Lubarsky,

2015 South Fifth street, Philadelphia. Brick, 2 stories, 16x30 feet 10 inches and 13x27 feet, garage, 1 story, 84x100 feet and 16x27 feet, hot water heating. Contract awarded to Fox Bros., 4814 North Broad street, Philadelphia.

**Residence and Store (alts.)**, 4365 Main street, Philadelphia, \$4,500. Architect, private plans. Owner, B. Newman, on premises. General alterations. Contract awarded to Schestock Const. Co., 205 Parkway Building.

**Bottling House**, Fifth and Rising Sun Lane, Philadelphia, \$75,000. Architects, Peuckert & Wunder, 310 Chestnut street, Philadelphia. Owner, John Frederick, Inc., Fifth and Rising Sun Lane, Philadelphia. Brick, steel and concrete, 3 stories, 80x100 feet, slag roof, cement and tile floors metal lath, safety treads, steam heating, electric lighting, rolled steel sash and skylights, fire doors (plumbing, heating and electric lighting reserved). Contract awarded to A. R. Raff Cont. Co., 1635 Thompson street.

**Salesroom**, 736-38 South Fifty-second street, Philadelphia, \$25,000. Architect, private plans. Owners, Hallar & Menamin, Fifty-third and Baltimore avenue. Brick, 1 story, 50x100 feet, slag roof, tile floor, steam heating, electric lighting, plate glass front. Contract awarded to Samuel Matson, 317 North Sixty-third street, Philadelphia.

**Plant (alts. and add.) of New Floors and Garage**, Germantown avenue and Sergley avenue, Philadelphia, \$3,000. Architect, private plans. Owners, Air Reduction Co., 120 Broadway, New York City. Brick, 1 story, 28x85 feet, slag roof, fireproof, concrete and cement floors, hollow tile, metal lath, safety treads, roof ventilators, rolled steel sash, iron stairs and work stone foundations (heating and electric work reserved). Contract awarded to James Mitchell, 76 Montgomery street, Jersey City, N. J.

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**Supply House** (add.), Twenty-fourth and Wood streets and Callowhill street, east of Schuylkill River, Philadelphia, \$12,700. Architect, private plans. Owners, Ford & Kendig Co., 1426 Callowhill street, Philadelphia. Fence wall and open shed, iron, 1 story addition, 40x103 feet, brick fence, open shed, steel and frame, 1 story, 31½x60 feet. Contract awarded to W. E. Hale, 1636 Ludlow street, Philadelphia.

**Warehouse**, southeast corner of Fifth and Montrose streets, Philadelphia, \$28,000. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owners, Schultz & Miller, northwest corner of Fifth and Fitzwater streets. Tapestry brick, 3 stories and basement, 36x80 feet, slag roof, yellow pine floors, hollow tile, metal lath, plastering, 2,000-lb. electric elevator, stone and concrete foundations, steam heat, electric light, rolled steel sash, hollow metal skylights, steel rolling shnteers, plate glass, structural iron work. Contract awarded to B. Shestack, 528 Reed street, Philadelphia.

**Bakery** (alts. and add.), Twenty-fourth and Master streets, Philadelphia, \$2,800. Architect, private plans. Owners, Freihofer Bakery Co., on premises. Elevator shaft, brick, 3 stories; 10 feet 5 inchesx12 feet 10 inches. Contract awarded to P. Haibach Cont. Co., 1261 North Twenty-sixth street, Philadelphia.

**Open Shed**, northwest corner of Sepvia and Roxborough streets, \$3,725. Owners, Philadelphia Sash Weight Co., on premises. Concrete and frame, 1 story, 36x124 feet. Contract awarded to George C. Clayton, 1819 N. Twentieth street, Philadelphia.

Don't be discouraged if you make an occasional mistake; if men didn't there wouldn't need to be any claw on a hammer.

## PENNSYLVANIA Construction News

**Silk Mill**, Palmerton, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Read & Lovett Co., of New York, care of Mr. Thorp, Weatherly, Pa. Brick, reinforced concrete, 1 story, 100x50 feet, concrete foundations, trussed roof, concrete and gumwood floors, electric light, tile work, roof ventilators. Architect taking bids due as soon as possible. Tilghman H. Moyer, William Gangwere & Co., Allentown, Pa.; Handwerk Bros., Slatington, Pa., and Mr. Leshner, Weissport, Pa., are figuring.

**Residences (5)**, Tenth and Tilghman streets, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owner, Elvin T. Zellner, Coplay, Pa. Brick, 3 stories, 14x48 feet, concrete foundations, hot water heat, electric light, hardwood floors. Owner will build.

**Residence and Garage**, Ardmore, Pa. Architect, Arthur H. Brockie, 1713 Sansom street, Philadelphia. Owner, William H. McCreary, Ardmore, Pa. Stone, 2½ and 1 stories, 80x39 feet and 22x20 feet, shingle roof, pine and cement floors, hot water heating, electric lighting, tile work, stone foundations. Architect aking bids due December 23rd. Wills-Ludwick Co., 1708 Sansom street; H. H. Burrell, 206 South Quince street; H. E. Grau Co., 1709 Sansom street; Charles C. Pace, Merion, Pa.; Gray Bros., Rosemont, Pa., and George L. Croll, Rosemont, Pa., are figuring.

**Residence**, Kirklyn, Pa. Architects, Mills

& Van Kirk, Harrison Building, Philadelphia. Owner, Charles F. Kolb, West End Trust Building, Philadelphia. Brick and stucco, 2½ stories, 31x36 feet, wing 8x14 feet, shingle roof, hardwood floors, stone foundations, vapor heating, electric light, tile and marble work. Plans completed. Owner ready for bids.

**Garage and Comfort Station**, Merion, Pa. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, Lower Merion School Board, Merion, Pa. Brick, 1½ stories, 35x100 feet, slate roof, cement and pine floors, stone foundations (heating, lighting and plumbing reserved), rolled steel skylights, iron work. Revised plans in progress.

**Residence**, Glenside, Pa. Architects, Henry L. Reinhold and Ralph A. Land, 1513 Walnut street. Owner, name withheld. Tile and frame, 2½ stories, 25x45 feet, asbestos shingle roof, maple floors, hot water heating, electric lighting, tile work. Plans in progress.

**Residence and Garage**, Sewickley, Pa. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, T. McKee Graham, Sewickley, Pa. Hollow tile and stucco, 2½ stories, 30x80 feet, and 1 story, 22x30 feet, tile roof, oak and cement floors, vapor heat, electric lighting, tile work, plumbing, concrete foundations. Architect taking bids due as soon as possible. D. L. Swearingner, Sewickley, Pa., is figuring.

**Residence and Garage**, Melrose Park, Pa. Architects, Greisler-Abramson Co., Lafayette Building, Philadelphia. Owner, Joseph Sion-



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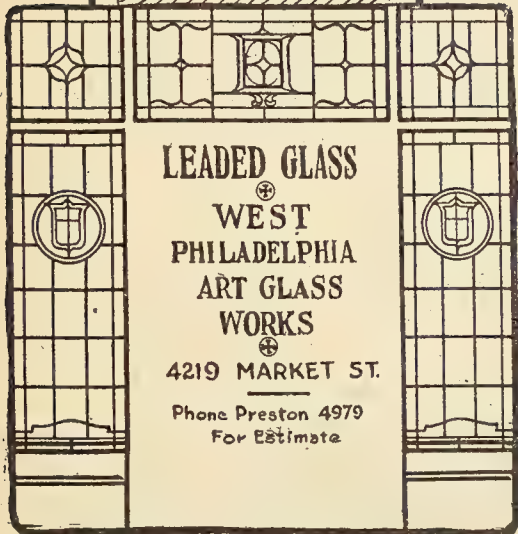
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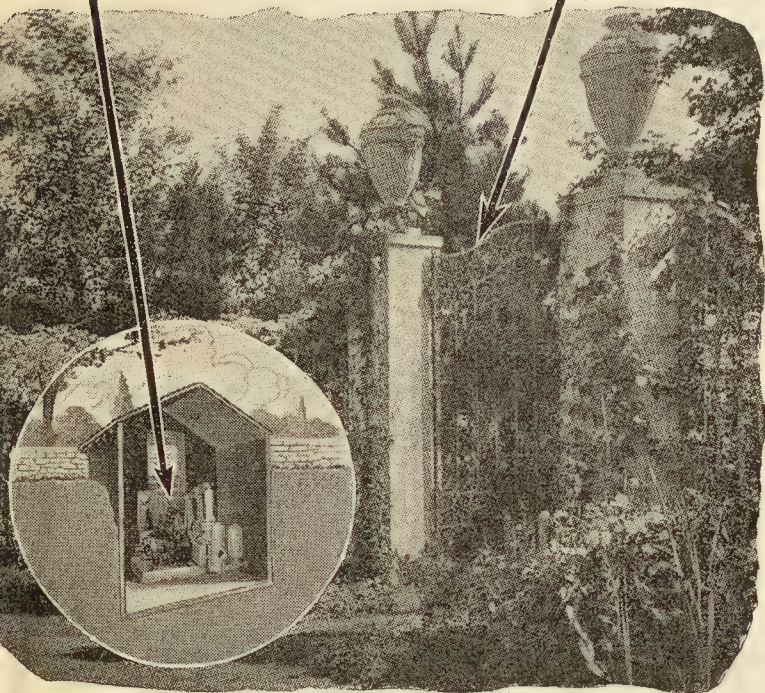
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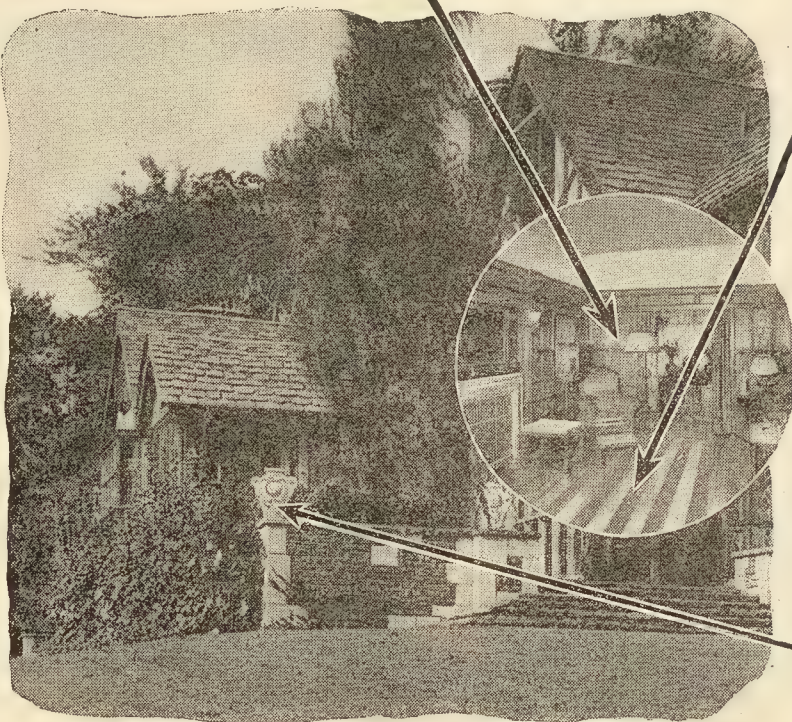


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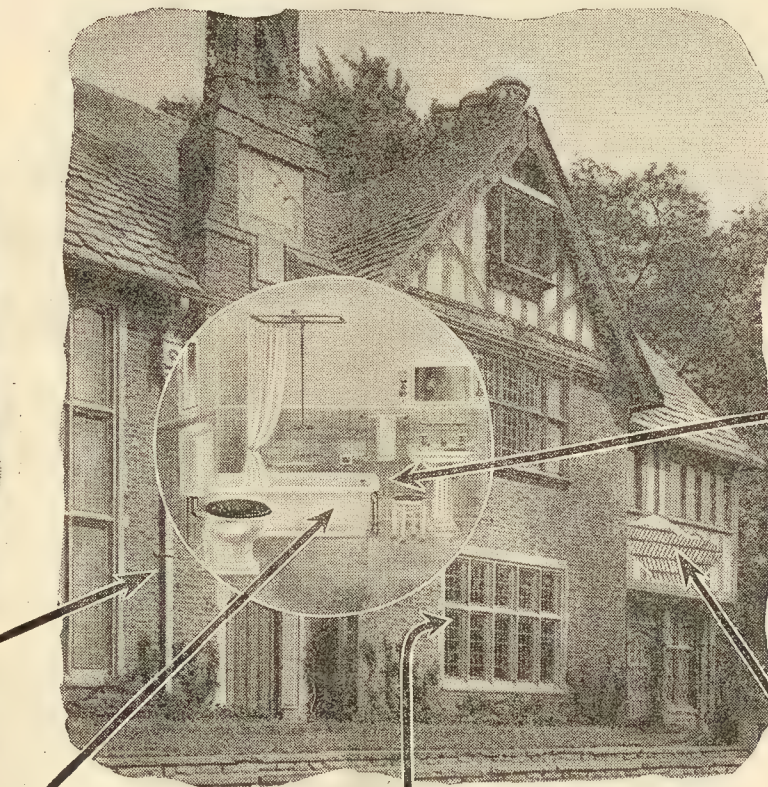
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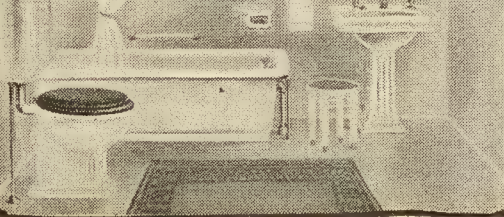
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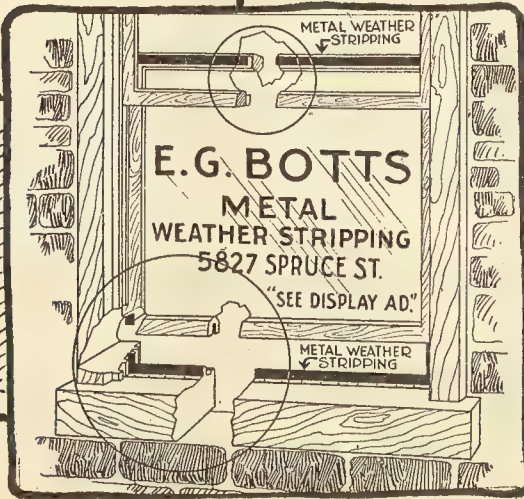
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sky, 2223 North Thirty-third street, Philadelphia. Stone and interlocking tile, 2½ stories, 44x50 feet, garage, 2 stories, 25x26 feet, slate roof, hardwood floors, cement floors, stone foundations, hot water heating, electric lighting, tile and marble work. Plans about completed. Architects will be ready for bids in a week.

Bank Building (alts. and add.), Thirteenth and Market streets, Harrisburg, Pa. Architect, John T. Brugger, 505 Chestnut street, Philadelphia. Owners, Allison-Hill Trust Co., Harrisburg, Pa. Marble and steel, 1 story, 40x100 feet, stone foundations, steam heat, electric lighting, marble and wood partitions, mosaic, oak and cork floors, bronze work, mill work. Plans in progress. Architect will be ready for bids in a month.

Residence, Wyncote Road, Jengintown, Pa. Architects, Clark & Dudnick, Drexel Building, Philadelphia. Owner, M. Lieber, Jenkintown, Pa. Frame and stucco, 2½ stories, 32x32 feet, shingle roof, pine floors, stone foundations, hot air heat, electric lighting, tile work. Owner is taking bids.

Residence, Clifton avenue, Sharon Hill, Pa. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, Mrs. George Pierce Folsom, care of architects. Hollow tile and stucco, 2½ stories, 28x30 feet, shingle roof, stone foundations, hot water heating, electric lighting, pine floors. Plans in progress.

Residence, Elkins Park, Pa. Architect, Andrew J. Sauer, 908 Chestnut street, Philadelphia. Owner, G. A. F. Gentzch, Elkins Park, Pa. Brick and stucco, 1½ stories, 25x72 feet, shingle roof, oak floors, stone foundations, vapor vacuum heating, electric lighting, tile work. Architect has received bids.

Residence, Jenkintown, Pa. Architects, Tilden & Register, Franklin Bank Building, Philadelphia. Owner, Laurence Butler, Jenkintown, Pa. Stucco, brick and steel, 2½ stories, 32x60 feet, shingle roof, oak floors, pine floors, metal lath, tile and marble work, stone foundations (heating and electric work reserved). Architects taking revised bids due December 18th. W. D. Lukens, North Wales, Pa., and E. Allen Reeves, Abington, Pa., are figuring.

Store and Apartment Building, Erie, Pa. Architects, Kline & Weitzenfeld, 1612 South Fourth street, Philadelphia. Owner, Charles Kline, Allentown, Pa. Brick, steel and terra cotta, 4 stories, 58x48 feet, composition roof, oak and pine floors, hollow tile, metal lath, metal ceilings, stone foundations, hot water heating, electric lighting, tile and marble work, hollow metal skylights, flush bulks. Plans completed. Architects taking bids.

Residence and Garage, Tyrone, Pa. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, George C. Wilson, Tyrone, Pa. Stone, 2 stories, 50x50 feet, hardwood floors, electric lighting, stone foundations. Plans in progress. Too early for details.

Residence, Springfield, Pa. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, Mrs. J. L. Dando, Springfield, Pa. Stone and terra cotta, 2½ stories, 40x45 feet, shingle roof, oak floors, stone foundations, hot water heating, electric lighting, tile work. Architects taking bids due December 18th at 3 P. M. E. J. Kreitzburg, 1345 Arch street; F. A. Havens & Co., 845 North Nineteenth street; F. B. Davis, 240 North Sixteenth street; F. W. Van Loon, Denekla Building,

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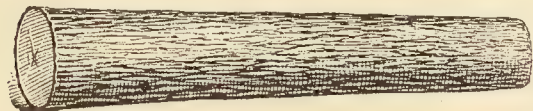
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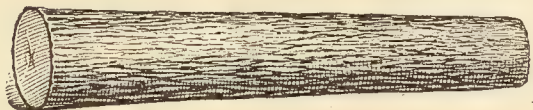
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and Fred Elvidge & Son, 5522 Germantown avenue, are figuring.

**Residence**, Sewickley, Pa., \$25,000. Architect, Charles Barton Keen, Bailey Building, Philadelphia. Owner, F. C. Ewert, Sewickley, Pa. Hollow tile and stucco, 2½ stories, 74x30 feet, tile roof, oak floors, pine floors, stone foundations, vapor heat, electric lighting, tile work. Architect taking revised bids due as soon as possible. Milton W. Young, Overbrook, Philadelphia; J. H. Scott and H. E. Beall, both of Sewickley, Pa., are figuring.

**Bungalows (operation)**, West Bethlehem, Pa. Architect, C. F. Spangenberg, 504 Broadway, Bethlehem, Pa. Owners, Herman & Jones, West Bethlehem, Pa. Frame and stucco, 2 stories, 32x50 feet, concrete foundations, slate roof, hardwood floors, hot air heat, electric light. Plans in progress.

**Store (alts.)**, Main street, Bethlehem, Pa. Architect, H. J. Weigner, Bethlehem Trust Building, Bethlehem, Pa. Owners, Bush & Bull, Main street, Bethlehem, Pa. Interior and exterior alterations, plate glass. Plans in progress.

**Warehouse**, Ritterville, Pa. Architect, H. J. Weigner, Bethlehem Trust Building, Bethlehem, Pa. Owner, Bethlehem Paper Co., Bethlehem Trust Building, Bethlehem. Brick and steel, 1 story and basement, 80x160 feet, concrete foundations, composition roof, reinforced concrete floors, electric light, elevators, rolled steel sash and skylights, fire doors. Owners taking bids due December 17th. F. Glasmire, W. H. Gramley, B. J. Blom & Ricciatti, all of Bethlehem, Pa.; Howard E. Stout, Butz & Clader, both of Allentown, and R. T. & C. D. Stewart Const. Co., Easton, Pa., figuring.

**Silk Mill**, Pottsville, Pa. Architect, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owner, Phoenix Silk Mfg. Co., Race and Court streets, Allentown, Pa. Brick, mill const., 4 stories, 150x50 feet, stone foundations, slate roof, plank floors, electric light, rolled steel sash, fire doors, elevator, roof ventilators, waterproofing. Architects taking bids due December 27th. Tilghman H. Moyer, Ochs Const. Co., Allentown, Pa.; R. S. Rathbun, Bethlehem, Pa.; Walter Wertley & Gordon Nagle, Pottsville, Pa., are figuring.

**Residences (2)**, Crescentville, Pa., \$7,000 each. Architect, Andrew C. Brozner, 717 Walnut street, Philadelphia. Owner, A. G. Benner, 1912 North Twenty-fourth street, Philadelphia. Brick, 2½ stories, 21x31 feet, slate, shingle roof, pine floors, stone foundations, hot water heat, electric lighting. Owner will be ready for sub-bids in one week.

**Residence and Garage**, Wynnewood, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner's name withheld. Hollow tile and stucco, 2½ stories, 60x40 feet. Plans in progress. To early for details.

**Residence and Garage**, Narberth, Pa. Architect, John L. Coneys, Drexel Building, Philadelphia. Owner's name withheld. Stone and hollow tile, 2½ stories, 26x38 feet. Sketches drawn. Preliminary plans in progress.

**Residence and Garage**, Lansdowne, Pa. Architects, Wallace & Warner, 1012 Walnut st., Philadelphia. Owner, Wm. Roberts, Lansdowne, Pa. Stone, 2½ stories, 26x45 feet, and 1 story, 20x22 feet, slate roof, cement and oak floors, stone foundations, electric lighting, tile work. Architects have sub-let contracts and will supervise construction.

**Residence, Garage and Stable**, Monument Road, North Wynnefield, Pa. Architect, Ed-

mund Salter, Parkside and Wynnefield avenues, Philadelphia. Owner's name withheld. Hollow tile and stucco, 2½ stories, 48x40 feet and 1½ stories, 25x42 feet, tile roof, cement and oak floors, stone foundations, vapor heating, electric lighting. Architect will be ready for bids in a few days.

## Pennsylvania

### Contracts Awarded

**Residence and Garage**, Cynwyd, Pa. Architect, Richard R. Neely, 1619 Chestnut street, Philadelphia. Owner, David N. Patterson, 1532 Wallace street, Philadelphia. Stone, 2½ stories, and 1 story, 27x38 feet, and 9x27 feet, shingle roof and slag roof, stone foundations, hot water heat, electric lighting, tile work, oak, pine and cement floors. Contract awarded to Welch & Wheeler, 243 North Vodge street, Philadelphia.

**Residence**, Bristol, Pa. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owner, Mrs. A. B. Headley, Bristol, Pa. Brick, 2 stories, 23x41 feet, stone foundations, hot air heating, electric lighting, pine floors, metal lath, iron work, mill work, plastering, hardware, painting and glazing. Contract awarded to Joseph Flach, Franklin street, Bristol, Pa.

**Residence and Garage**, Merion, Pa. Architect, Frank Seeburger, 1524 Chestnut street, Philadelphia. Owner, Thomas J. Hare, Merion, Pa. Stone, 2½ stories, 28x87 feet, and 1 story, 19x26 feet, slate roof, oak and pine floors, stone foundations, electric lighting, tile work, iron work, cement work (heating and plumbing reserved). Contract awarded to Charles C. Pace, Merion, Pa.

## New Jersey

### Construction News

**Building**, Plainfield, N. J. Architects, Jallade, Lindsay & Warren, 37 Liberty street, New York City. Owner, Y. M. C. A., Plainfield, N. J. Concrete, brick, steel and terra cotta, 3 stories, 108x149 feet, maple and cement floors, tile, marble and terrazzo work, hollow metal sash, fire escapes, iron work, metal lath, roof ventilators, waterproofing and dampproofing. Architects taking bids due December 26th. Standard Const. Co., 1713 Sansom street, is figuring.

**Hemp Saturating and Storage Building**, Trenton, N. J. Architect, private plans. Owner, American Steel & Wire Co., Trenton, N. J. Brick, 1 story, 61x97 feet, slate roof, plank floors, stone foundations, rolled steel sash, fire doors, iron work. Owner has received bids.

**Lyceum Building (alts. and add.)**, Bridgeton, N. J. Architects, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, Immaculate Conception Roman Catholic Church, care of Rev. Francis X. Langan, Bridgeton, N. J. General alterations and additions to Lyceum Building. Owner is taking bids.

**Residence and Garage**, Swedesboro, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, Isaac H. Bradshaw, care of architect. Hollow tile and stucco, 1½ stories, 65x72 feet (Spanish tile roof separate bids by architect), hardwood floors, concrete foundations, hot air heating,

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electric lighting, tile work. Architect is ready for bids.

**Manufacturing Building and Garage**, location withheld. Architect, J. R. Ogden, 143 South South Carolina avenue, Atlantic City, N. J. Owner, name withheld. Reinforced concrete and steel, 2 stories, 100x150 feet, fireproof, electric lighting, steam heating, cement floors, steel rolling doors, steel sash. Plans in progress. Architect will take sub-bids.

**Distributing Station**, Newark, N. J. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owners, Autocar Co., Ardmore, Pa. Brick and concrete, slag roof, cement floors, rolled steel sash. Preliminary plans in progress.

**Dairy Building**, Sharpton, N. J. Architect, Benj. R. Stevens, 1737 Filbert street, Philadelphia. Owner, Wm. Richman, Sharpton, N. J. Brick and concrete, 2 stories, 41x50 feet, slag roof, cement work, electric lighting. Plans in progress. Architect will be ready for bids in a month.

**Residence and Garage**, Rhode Island near Pitney avenue, Atlantic City, N. J. Architect, Carl P. Berger, 1416 South Penn Square, Philadelphia. Owner, E. C. Schmidheiser, care of architect. Hollow tile and brick, 2 stories, 25x75 feet, asbestos tile roof, oak and cement floors, hollow tile, stone foundations, hot water heating, electric lighting, tile work. Architect taking bids, due December 22nd. Edw. L. Bader, W. Beaumont, Philip Hannum, Hampton Bros., Samuel Headley, Newton Knauer, M. Markland, J. Mathis & Son, Chas. Tilton and Chas. Thompson, all of Atlantic City, N. J., are figuring.

## New Jersey Contracts Awarded

**Office Building**, 527 Market street, Camden, N. J., \$150,000. Architect, Thomas Stephen, 529 Market street, Camden, N. J. Owners, Smith-Austermuhl, on premises. Brick, terra cotta, steel, 1 story, 109x56 feet, stone foundations, slag roof, maple floors, electric lighting, marble work (heating reserved), iron work. Contract awarded to Standard Const. Co., 1713 Sansom street, Philadelphia.

**Office Building**, Camden, N. J. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owner, Taylor White Extracting Co., Camden, N. J. Brick, terra cotta and steel, 2 stories, 28x42 feet, slag roof, floortyle floors, vapor heat, electric light, stone foundations, metal lath, iron work. Contract awarded to George Bachman, Camden, N. J.

**Store Building (alts.)**, Illinois avenue and Boardwalk, Atlantic City, N. J. Architects, Hoffman, Henon, Inc., Finance Building, Philadelphia. Owners, Schulte Cigar Co., 386 Fifth avenue, New York City. General alterations. Contract awarded to W. Beaumont, Atlantic City, N. J.

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## Delaware Construction News

**Garage and Show Room**, 221-25 Tenth street, Wilmington, \$400,000. Architects, Thompson & Binger, 280 Madison avenue, New York. Owner, Wilmington Automobile Co., 221 Tenth street, Wilmington. Concrete, fireproof, 4 stories, 135x260 feet, slag roof, concrete floors, electric light, rolled steel sash and skylights, roof ventilators, gasoline storage system, (2) 20-foot ramps. Plans in progress.

**Offices (alt.)**, Market street, Wilmington, Del. Architect, John Canning, Jr., Eleventh and King streets, Wilmington, Del. Owner, Dr. G. E. Cox, 806 Market street, Wilmington, Del. General interior alterations. Sketches in progress.

**Office Building**, Market street, Wilmington, Del. Architect, John Canning, Jr., Lodge Building, Wilmington, Del. Owner Mr. F. Dure, care of architect. Brick, concrete, 10 stories, 21x120 feet, concrete foundations, slag roof, concrete floors, electric light, tile and marble work, hollow metal skylights, elevators, roof ventilators. Sketches in progress.

**Store**, Market street, Wilmington, Del. Architect, John Canning, Jr., Lodge Building, Wilmington, Del. Owner, Boston Cloak Store, 424 Market street, Wilmington, Del. Brick and marble, 4 stories, 107x21 feet, stone and concrete foundations, slag roof, maple floors, steam heat, electric light, marble work, rolled steel sash and skylights, store fixtures, elevators, roof ventilators. Revised plans in progress.

**Residences (2)**, 809-11 West Twenty-second street, Wilmington, Del. Architect, private plans. Owner, Charles W. Gooding, 2507 Franklin street, Wilmington, Del. Stone, 2½ stories, 22x31 feet, slate roof, hardwood floors, steam heat, electric lighting. Owner will build.

**Residence**, 2504 Jefferson street, Wilmington, Del., \$4,200. Architect, private plans. Owner, Fred Wickstrone, 1308 French street, Wilmington, Del. Brick, 2 stories, 21x32 feet, slag roof, pine floors, hot water heat, electric light. Owner will build.

**Factory (add.)**, Maryland and Liberty streets, Wilmington, Del. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Liberty Morocco Co., on premises. Concrete, 2 stories, 20x96 feet, concrete foundations, composition floors, plank floors, electric lighting, rolled steel sash, fire doors. Contract awarded to J. A. Bader Co., Wilmington, Del.

**Store House**, Northwest Corner Fifth and Stockle streets, Wilmington, \$2,500. Architect, private plans. Owner, Stockle Brewing Co., on premises. Brick, interior alterations. Contract awarded to David Dangel & Son, Wilmington, Del.

## O. W. KETCHAM

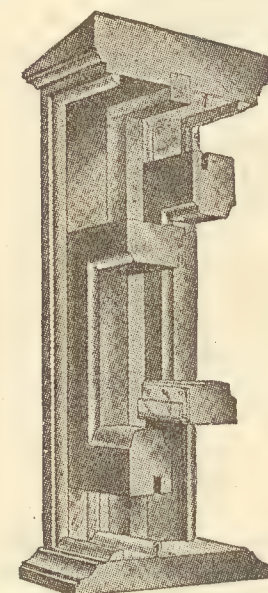
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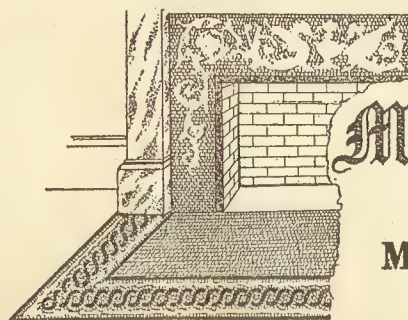
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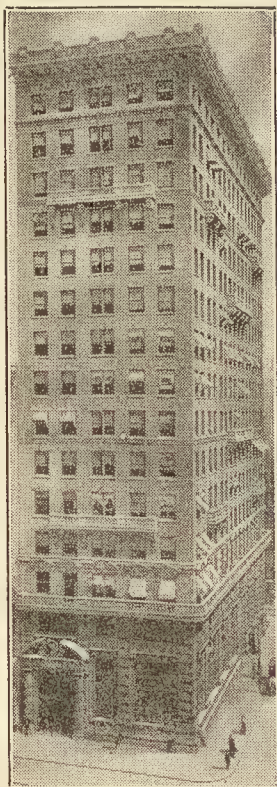
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## Miscellaneous Construction News

**Sunday School Building**, Salisbury, Md. Architects, Owens & Sisco, Continental Building, Baltimore, Md. Owners, Asbury Methodist Episcopal Church, Salisbury, Md. Brick and steel, 2 stories, 46x82 feet, wing 29x20 feet, slate and slag roof, pine floors, stone foundations, waterproofing, iron work (tile, plumbing, heating and electric work reserved). Architect taking bids due December 20th. Irwin & Leighton, 126 North Twelfth street, Philadelphia, are figuring.

**Building (alts. and add.)**, Boston, Mass. Architects, Stuckert & Co., Crozer Building, Philadelphia. Owner, name withheld. Brick, steel and concrete. Preliminary plans being drawn. Too early for details.

**Bakery (alts. and add.)**, Baltimore (Md.), \$50,000. Architect, A. G. Zimmerman, 85 Ninth avenue, New York City. Owners, National Biscuit Co., Tenth avenue and Fifteenth street, New York City. Reinforced concrete and brick, 3 stories, 28x40 feet, slag roof, cement floors, concrete foundations, steam heat, electric light, fire doors, hollow metal sash, roof ventilators, waterproofing, iron work. Contract awarded to F. W. Mark Const. Co., Commercial Trust Building, Philadelphia.

**Restaurant (alts.)**, 5 East Forty-fourth street, New York City. Architects, Hoffman Henon, Inc., Finance Building, Philadelphia. Owners, Cheri, Inc., care of John G. Patton, Fifteenth and Chestnut streets, Philadelphia. General interior alterations. Plans about completed. Architects will sub-let.

**Restaurant (alts.) to Department Store**, Third avenue and Fifty-ninth street, New York City. Architects, Hoffman, Henon, Inc., Finance Building, Philadelphia. Owners, Cheri, Inc., care of John G. Patton, Fifteenth and Chestnut streets, Philadelphia. General interior alterations. Architects will sub-let.

## Proposals

### INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., December 11, 1919. Sealed Proposals will be opened in this office at 3 P. M. January 8, 1920, for changes, etc., the United States post office at Springfield, Ohio. Drawings and specifications may be obtained from the custodian of the building, Springfield, Ohio, or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., December 10, 1919. Sealed Proposals will be received at this office until 3 P. M., January 5, 1920, and then opened, for remodeling the United States post office, Fitchburg, Mass., in accordance with the specifications and drawings mentioned therein, copies of which may be had at this office or at the office of the custodian, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

### PROPOSALS FOR ALTERATION OF BUILDING.

PICATINNY ARSENAL, Dover, N. J., December 4, 1919.—Sealed proposals for altering building No. 117, will be received until 1 o'clock P. M. on December 22, 1919, and then opened. Information furnished on application to Commanding Officer, Picatinny Arsenal, Dover, N. J.

(Continued from Page 812.)

fail to heed this irresistible demand of human nature, so long as we confine our effort to find the solution of the labor problem in the adjustment of time clock and the pay envelope, just so long we have no reason to expect satisfactory results. And the history of industry furnishes conclusive evidence that in the relationship which has existed between employer and employee, this human attribute has not been reckoned with; that those who work with their hands, those who have nothing to place upon the market of industry but skill and brawn, have not been treated in such manner as to show recognition or appreciation of their self-respect, have not been given opportunity for self-expression in industry, and have not been brought to the full measure of development and usefulness through the stimulus which comes from a consciousness of individual responsibility.

It is said, Labor has gone mad and men have become unreasonable, irrational in their thinking and irresponsible in their acting, and it must be admitted that some men have. A great English statesman has said that you cannot draw an indictment broad enough to cover a whole nation. And can we, in justice to the very large majority of those who constitute the labor class, conclude that *all* Labor has gone mad? It seems that some have gone mad, have become irrational in their thinking, in their demands and actions. But will the application of the fundamental causes to which we have referred give any light on this particular question? What is the character of the men who constitute the irrational—the extreme—element? Is it not the individuals in almost every instance who have failed to find opportunity in their employment for the cultivation and preservation of their self-respect, for the opportunity of self-expression, and who have never been given the privilege of bearing their share of industrial responsibility?

And to go further with our reasoning, and as further proof of the rightness of our premise and our conclusion, the irrational, wrong thinking, wrong acting individual is one invariably in whom Na-

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ture has most pronouncedly implanted this irresistible demand for these things, and who, through lack of opportunity to satisfy this demand in right pursuits, has broken the bonds of restraint and made his own opportunity.

#### LABOR DEMANDS ONLY A SQUARE DEAL.

But assume that the irrational element is irredeemable. Is it the part of Wisdom for Capital to sit idly by and let this irrational element influence those who would be rational, those who only want a square deal and fair treatment and will be happy and content in the knowledge that they are getting it? By what logic or reasoning can we justify ourselves as good business men, if we let this irresponsible element pervert the minds of those who would be rational and sensible, through feeding them with falsehoods, holding out to them impossible promises of results and gaining their confidence and their co-operation because we don't tell Labor the whole truth and treat them as square, straight, rational, human beings. Experiences with our own men lead to but one conclusion, and that is that 98% of the so-called laboring class want to be square and are asking only for a square deal.

In the earlier days Ownership and Management were represented in one individual. When the corporation was born, Management was vested in a separate individual and became a distinct function in business operation. Quite naturally, however, on account of Ownership and Management previously having been one, Management became the servant of Ownership, with a sense of responsibility to Ownership exclusively. With Ownership and Management as one, Ownership had had direct contact with Labor. With Management interjected between Ownership and Labor, it constituted the only source through which Ownership could be informed of the attitude or demands of Labor. But Management was dependent for its job upon Ownership, or at least thought it was, and Ownership demanded dividends, and Management's ability to hold its job became dependent upon ability to produce them.

Labor was making demands upon Management, but the development of the situation seemingly forced Management to drive Labor to the extreme in order that it might have its record clear with Ownership by the production of satisfactory dividends. Through this development of circumstances, through the failure of Management to recognize its responsibility to Labor equally with Capital, a proper consideration of Labor's attitude

toward the business was largely overlooked in the transition period. Management employed every known means to develop cost saving and profit producing mechanical methods. Management acted with unquestioned intelligence in the matter of the analysis of production as it affects its engineering, mechanical and scientific problems. But has Management acted with the same degree of intelligence in the analysis and development of the human element, without which, in the final reckoning, there will be no progress and no profit?

But, you say, that statement is too broad—that instances are frequent where Management, with the full approval of Ownership, has been kind and considerate to employees, where they have provided good working conditions and given such things as are generally included in the term "welfare," and still men were dissatisfied. We don't deny it. We know it to be a fact. Granted that these things may have been done with the greatest consideration and the maximum of human kindness. Labor doesn't want pity or kindness. It need not ask them. It has two strong arms with which to earn all that it requires of the world's success. It does not want things to be given it because employers are kind, and if it did, it would not represent, as it does represent, the potential power for industrial progress that is to be found in the human element if properly treated with and properly directed.

#### WHAT LABOR REALLY ASKS.

And so we must go back to the basis established through our original analysis of the cause underlying the effect from which we are suffering. It is with that cause that industry must treat, and starting from that basis that industry must operate, if the full potential power of Labor in the development of industry is ever to be released and satisfactory relationships between the different elements which make for progress in industry are to be established. And what are these? First, the innate demand for the recognition and preservation of self-respect. The self-respecting human being is going to demand the recognition of those things which he believes to be his right. If certain elements in Labor have gone wild as to what constitutes their rights, is it not because we have permitted them to go wrong in their thinking and through failure to work with them in full recognition that they were human beings and men, just the same as we? In overcoming these irrational demands, our problem was to establish mutual recognition of

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self-respect, then to get together and reason with each other. And did we find our Labor unreasonable when we did that? We did not. No man has got down to the root of human relationship but recognizes that, whether a man digs in the ditch or sits in the bank president's chair, he has the same human impulses, the same human troubles, and needs the same kind of help to bear them. Were our men exceptions? No. All men will be human and responsive, but only when we open our consciences and our hearts to the true spirit of human relationship.

And what comes next? When we have learned to respect each other as human beings, to have confidence in each other as fair thinking and square dealing, human men, we will have respect for the ideas and thoughts of each other. Each will have the opportunity for self-expression as it affects his relationship with the other, and this will lead to an opportunity for self-expression in the things to be accomplished, the things for which we are all working. If we have that true heart throb of human relationship, every individual will have the opportunity to accept his full measure of responsibility, and instead of the good in men being driven out, it will be cultivated and grow, and men will become stronger and more useful, each to his particular institution and to civilization. Is this sentimentalism, or is it good business, to develop in the human element, with the same degree of care, thought, analysis, and intelligence that we develop from the material element, those things which make for progress and profit?

The world war has shaken men from their old grooves of thought. Not only is political reconstruction imperative to Europe, but industrial reconstruction is inevitable the world over. And in this reconstruction, Industry must find some method by which the individual can exercise his right of self-determination with the same freedom and effectiveness that the right of franchise provides in free government. It must foster every possible means of preserving and promoting individual self-respect. It must insure to all the opportunity to accept responsibility. With these as our guiding principles, our experience in operation has been so eminently satisfactory that we believe this experience told to others might help direct their thinking and their action in the matter of industrial relationship. We knew that others were thinking on this same vital question and we hoped that an exchange of ideas might prove helpful in the task to which we have set ourselves.

#### UNITED WE STAND.

Of course, we have at Hydraulic welfare work, a Mutual Benefit Association, bonuses, profit-sharing, workmen's representation, co-operative stores, and all of those things which come simply as a natural result when mutual understanding has once been established, and Capital and Labor are working together for their mutual good. But we have not accomplished these material things through Management having taken to Labor a ready-made plan for their acceptance, in which Labor has had no voice, toward the forming of which it has given no thought, and in the carrying out of which it has no function. Innovations at Hydraulic are just as likely, and more likely, in fact, to be the result of suggestion from workman as from Management, through the Workmen's Representation Committee. Our method of workmen's representation makes it possible for the suggestion of every man to receive consideration, and every man knows this to be a fact. As a consequence of this, innovations at Hydraulic are not considered as for the benefit of the men alone, but as for the benefit of the business, and every man knows that that which is for the benefit of the business is for the benefit of every one associated with the business in whatever capacity.

And in this there is also the element of self-interest. We know that no matter what the relationship with our men might be, Hydraulic cannot stand alone in case of a general upheaval. We wanted, therefore, to exert every ounce of energy, and direct the best thinking of which we are capable, toward an early and permanent solution of this problem, so that our interest in Hydraulic might be preserved, both for the men who invest their money and for the men who invest their energy.

It occurred to us that even with the present high cost of living the average income for labor was such that the fundamental cause for existing unrest must be something bigger, something deeper, than the hours of toil and the rate of pay—that these demands were only an effect, a visible evidence of the real cause, a form in which the basic fundamental cause found expression. Industrial reconstruction may and undoubtedly will make necessary some readjustment in the division of material returns from the joint application of Capital and Labor to raw material in its conversion into finished product. This readjustment may benefit Labor in some instances, in others may benefit Capital. But we fear no permanent or satisfactory results are possible in quieting this unrest, so long as

we confine our efforts to the effect without treating with the cause.

And this fundamental cause we believe to be an inborn attribute of human nature, an instinct found in greater or less degree in every human being, a demand for the recognition of self-respect, for the privilege of self-expression, for the opportunity of individual responsibility. And no matter in what form this fundamental cause may find expression nor through what manner of detail we may meet these specific demands, human unrest will never be quieted until we recognize the fundamental cause, and adjust our operations to its demands.

Men have said, "You can shorten the working day, and increase the rate of pay until Labor gets it all, and still they won't be satisfied." And so long as we proceed to shorten the day and increase the pay without realizing that there is something deeper back of this demand than the high cost of living, that statement is true.

Why, then, is it not good common sense, good business, for us to so adjust our thinking and our doing that industry may benefit in full measure from the force for progress which is to be found in the human element? We don't fight natural forces, but adjust ourselves to natural laws in the utilization of material elements. And until industry shall have learned that all human beings are fundamentally the same, that all characteristics which prompt human action and stimulate human endeavor, are fundamentally the same, differing only in degree, and shall appreciate this fact and recognize it human relationships, industrial unrest will never be quieted and Labor will never be satisfied regardless of the hours of toil, the rate of pay or the cost of living.

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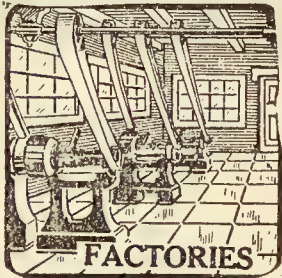
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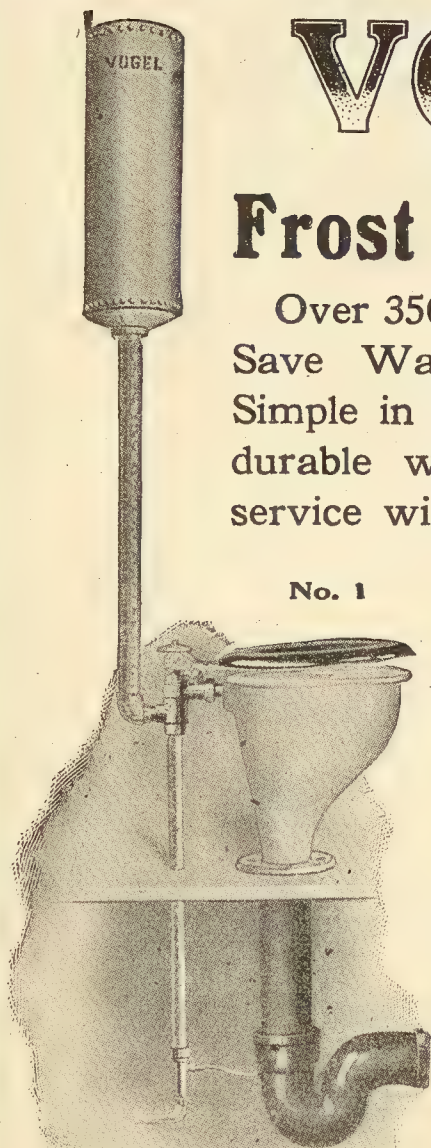
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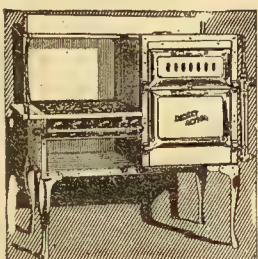
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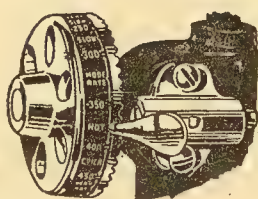
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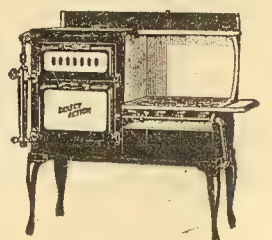


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Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XXXIV, No. 52  
December 24, 1919

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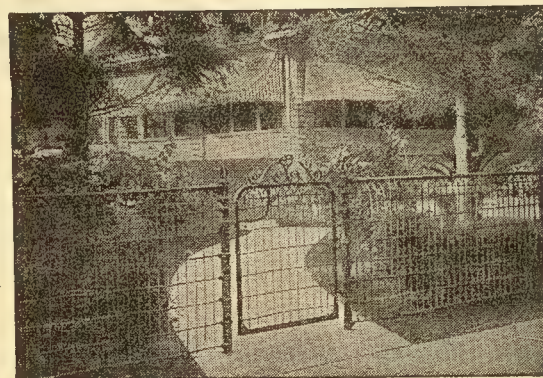
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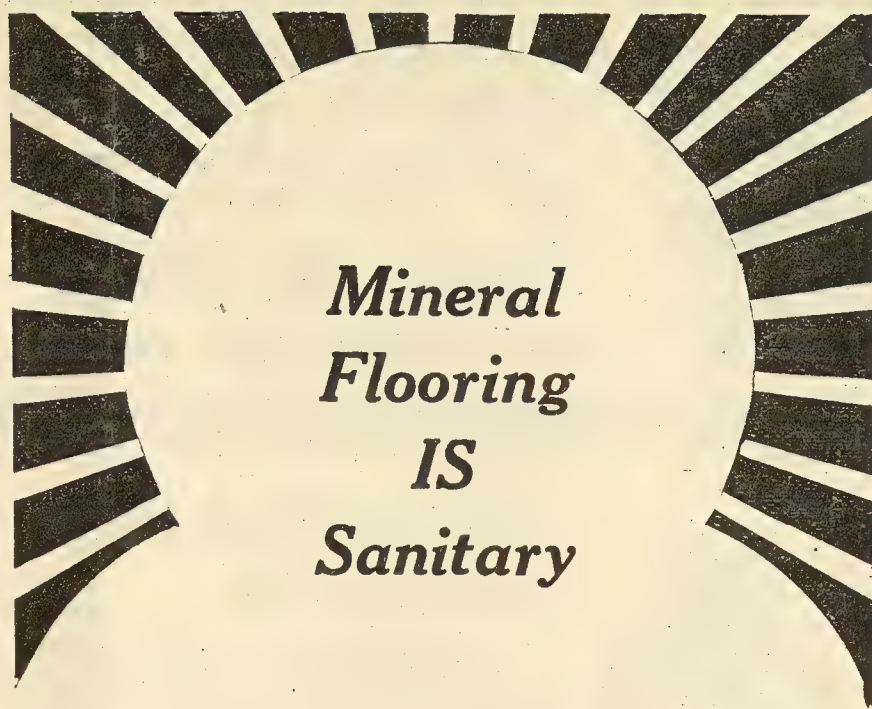
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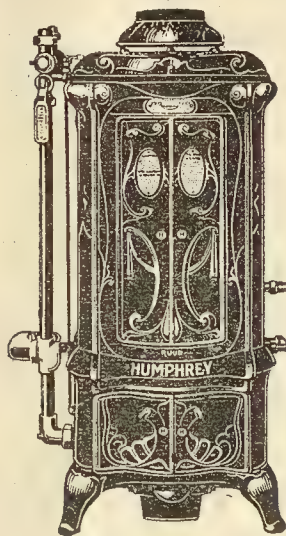
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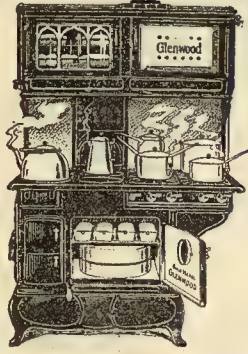
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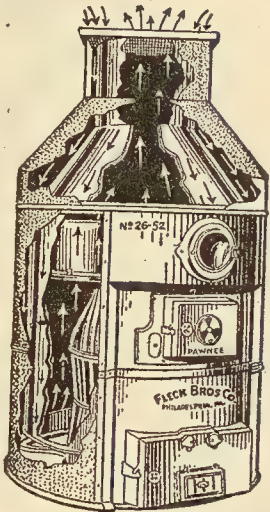


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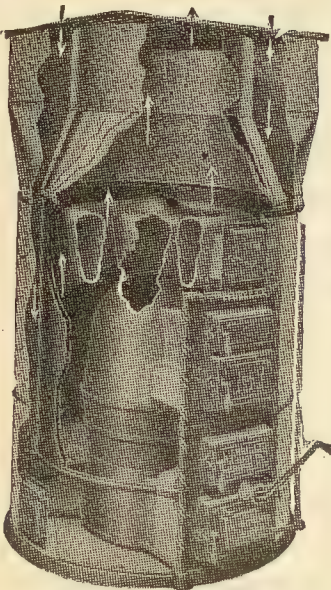
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Devoted to the Advancement of American Architecture, Structural  
Engineering and the Building Trades

VOLUME XXXIV  
Number 52

PHILADELPHIA  
December 24, 1919

## BUILDERS' GUIDE

OFFICES, PERRY BUILDING (Suite 824-825-826)  
Sixteenth and Chestnut Sts., Philadelphia, Pa.

PUBLISHED WEEKLY  
BY

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## As The Editor Sees It



A PUBLIC speaker recently defined "Thrift" as "the wise expenditure of money for things of 'real' value." To many the word "thrift" spells hoarding rather than spending, but in many cases saving and hoarding are directly opposed to thrift. If, through the advice of a specialist, you save your life, the large doctor bill is certainly a thrifty expenditure.

In the matter of home building, many large concerns will testify to the real value received, in the form of increased production, lessening of labor turn over and contented workmen, from money expended in housing projects in connection with their various industries.

Many people hesitate today to put their savings into homes on account of the advanced cost. But real estate is "real" value. Homes are the foundation of the nation and an asset to the individual incalculable in dollars and cents. We believe that the "Own Your Home Idea" is one of the biggest in connection with Thrift Week and deserves all possible encouragement and impetus.

Furthermore, "every business man will reap direct benefits in commodities where National Thrift Week is made a success," says H. R. Isherwood of the National Lumber Manufacturers Association. But, continues Mr. Isherman, that selfish reason is not why we are going to get behind the Thrift Campaign and help put it over in a big way. It is be-

cause we are all good Americans and right now thrift is one of America's most vital needs.

National Thrift Week begins on January 17, Benjamin Franklin's birthday. The nation-wide campaign is to be conducted by the Y. M. C. A. But that doesn't mean that just because you have let your "Y" membership lapse you're not to hump your shoulders and push. The fact that you may never have been inside of a "Y" building will make your co-operation none the less valuable to the local "Y" campaign committee which will build up the Thrift Week organization in your town.

National Thrift Week will have eight days, and one day will be just as vital to the welfare of all of us as another. The days will be:

January 17—Start a Bank Account Day.

January 18—Share Your Income With Others Day.

January 19—Take Out Life Insurance Day.

January 20—Own Your Home Day.

January 21—Make a Will Day.

January 22—Thrift In Industry Day.

January 23—Family Budget Day.

January 24—Pay Your Bills Promptly Day.

I am going to talk about Own Your Home Day, because I am somewhat accustomed to discussing that subject. But I again want to emphasize that each of

the days is equally important.

If the Own Your Home idea can be "sold" in a community, the business men of that community will be deriving benefits for a long, long time afterward.

The sales of the furniture dealers will be increased if the Own Your Home thought takes root. New homes mean new furniture.

It's a waste of type to say that real estate men will be aware of the fact if the renters in a community decide that in the end they are to have deeds instead of collections of rent receipts.

It would be more than worth the while of a Plumbing Contractor to give the Thrift Campaign his personal and financial support for purely business reasons, to say nothing of the general welfare of the country. It will be the same with the architect, the mason, the hardware merchant, the electrical contractor, the painter, the lumber and building materials merchant, the heating contractor, and on along the line.

A home building movement will increase the business of insurance men. No, I do not mean only fire underwriters. If a man thinks enough of himself and family to start paying for a home, he will think enough of his family to take out life insurance to insure that the remaining payments will be met. Looking a little further into the future: when the last payment is made on the home, how easy it would be to direct that monthly

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sum, which the man is in the habit of paying, toward life insurance.

I see actual, traceable results for the banker, lawyer, the security bond company or the building loan association, if the Own Your Home idea goes across in your town.

Don't wait for the local Y. M. C. A. committee to seek you out. Go to the committee. Write or phone that you would be glad to do your part toward making Thrift Week a success locally. Tell the committee that you will not only help personally, but also will contribute your share to the campaign funds. Your share will likely be much smaller than you suppose. A campaign of this sort is largely a matter of publicity, and publicity will be the principal expense of Thrift Week.

The Central "Y" Committee will send each local committee a catalogue of campaign supplies—posters, window display cards, motion picture trailers, etc. See to it that there is no shortage of publicity ammunition in your town.

Today I was in the Chicago laboratories of the Rothacker Film Manufacturing Company. The "Y" has selected this company to make the motion picture trailers which will be shown in the theatres Thrift Week.

I saw what the Own Your Home trailer will be like. It will be 100 feet long. One-fourth will be devoted to an animated drawing which will graphically drive home the advantage of owning your own home. The remainder of the trailer will be devoted to short, snappy arguments in favor of having a deed to the roof over your head. This will be one of the sentences: "You've got to pay for a home anyway; who will own it in the end, you or the landlord?" Another one: "The renter who sings 'Home Sweet Home' is kidding himself and serenading the landlord—Billy Sunday."

A movie trailer will be listed in the "Y" campaign catalogue at \$10. In a theater that has only 700 seating capacity one of these trailers will drive home the thrift gospel to 2,000 persons a day. By being exchanged among the theaters, the Own Your Home trailer can be made to work all eight days of the campaign. That will be 16,000 people for \$10.

The "Y" has ordered trailers on each of the eight days and those the Rothacker Film Company is making for Bank Day, Insurance Day, Pay Your Bills Day, etc., will be as good as the one on Own Your Home. Reaching 16,000 people for \$10 is cheap and there can be no question about the effectiveness of animated drawings backed by epigrammatical titles. See to it that the trailers are included in the order for campaign supplies for your town.

Forget your own merchandising during the Thrift campaign. Get behind the movement and sell the big Thrift idea. When you have the idea sold, there will be an increased demand for all you have to sell.

\* \* \*

Throughout the land building operations are again in swing. With the termination of the war and the lifting of the government's ban on materials there has been a most noticeable increase in building activities. It has not taken the architect and contractor to notice this healthy sign. Anyone moving around will see new homes and buildings rapidly reaching completion.

The building industry is experiencing its reward after a long period of stagnation. Even greater will be the stimulation of this industry in the near future. Builders and contractors are looking forward to a recuperation of losses sustained during the period of inactivity.

Many laborers are being engaged in these new activities. Contractors and other employers of labor have been asked to co-operate in making "Thrift in Industry Day" on the programme of National Thrift Week a success. Not only should the contractor know the value of thrift, but he should help teach the value of thrift to many of his employees ignorant of it.

It is a duty he owes to himself and to the country. By the exercise of thrift on the part of the individual this country will be enabled to extend larger credit to European nations whose economic salvation depends upon it. The Young Men's Christian Association, which organized National Thrift Week, asks the building industries of this country to co-operate in making it a success.

\* \* \*

Col. C. Lincoln Furbush, new appointed Director of Public Health of Philadelphia, has promised that early attention will be given to Public Comfort Stations. This is indeed commendable, as the City of Philadelphia is woefully lacking in this most vital necessity.

At a recent public meeting held in Witherspoon Hall, almost every phase of city planning and zoning was touched upon by distinguished speakers. While emphasis was laid upon decent housing and living conditions, comfort stations, a very important feature of city life was not mentioned.

It is especially pleasing to see that Colonel Furbush has included among the first matters which will receive his attention this essential feature of city planning.

In congratulating Colonel Furbush on his appointment, Mr. D. Knickerbacker Boyd, Chairman Executive Committee,

Philadelphia Planning Conference, said:

"While the placing of these vitally necessary public facilities lies within the functions of a City Planning Commission, may I not offer you now, in a preliminary way, such co-operation and assistance as may properly be secured by those within our organization most qualified to serve in this regard?"

"It will interest you to know that one of our constituent bodies has but recently adopted a Resolution on Public Comfort Stations which I am now for the first time making public in support of your proposition.

"It represents the action of twenty-eight thousand wage-earners of this City through their official body—the Council of Associated Building Trades—composed of local organizations of the Building Trades Department of the American Federation of Labor, and is as follows:

*Whereas*, the New City Charter makes possible a better Philadelphia, and

*Whereas*, among the principal Agencies for such betterment will be the City Planning Commission and the Zoning Commission contemplated therein to be established by the Administration, and since these Commissions will deal with the general improvement and the beautification of our City, be it

RESOLVED, That Comfort Stations be established throughout the City for the relief of its inhabitants, at the earliest possible convenience.

\* \* \*

## WATERPROOFING WITH IRON

By CARROLL BEALE, C. E.

A number of years ago in England powdered iron was used in combination with water and salamoniac to stop leaks in pipes and boilers. On one occasion the masonry walls of a machine shop leaked badly and a mechanic familiar with the use of iron dust for repairing leaky pipes thought that he would try it out on a masonry wall on the theory that the oxidization of the iron caused by mixing the same with water and salamoniac would cause the iron to expand, and fill up the surface pores of the masonry, preventing water from coming through. It so turned out that his theory was well founded as waterproofing with iron today has become an established business over the entire country and is used in every branch of masonry waterproofing, and while there are more than fifty waterproofing methods and compounds known to the writer, all of which are generally known among the building fraternity, powdered iron or "Ironite," as it is commercially known, has not only taken its place among them for new construction work, but has a specific field of its own in filling a long felt want in

(Continued on Page 844.)



# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

**Residence (alts.)**, 1319 Locust street, Philadelphia. Architects, Mills & Van Kirk, Harrison Building, Philadelphia. Owner, Dr. Joseph Leidy, on premises. General interior alterations, vapor vacuum heating, electric lighting, plumbing, mill work. Owner and architects are subletting.

**School (renovation)**, Third and Lombard streets, Philadelphia. Architect, private plans. Owners, Board of Education, care of John D. Cassell, Eighteenth above Chestnut street, Philadelphia. General renovation, new floors, mill work, plumbing. Plans completed. Owners ready for bids.

**School (int. alts.)**, Seventh and Lehigh avenue, Philadelphia. Architect, private plans. Owner, Board of Education, Eighteenth above Chestnut streets. Kitchen equipment, etc. Plans completed. Owners ready for bids.

**Building (alts.)**, Southeast corner Broad and Columbia avenue, Philadelphia. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, Sun Life Insurance Co. of America, Baltimore, Md. Complete renovation of top floor, hardwood floors, changing partitions, steam heating, electric fixtures, tile and marble work, plumbing, mahogany office fittings. Plans in progress. Architect will be ready for bids in a week.

**Residences (25)**, Sixty-third and Greenway avenue, \$5,000 each. Architect, private plans. Owner, H. P. Collins, 5441 Haverford avenue, Philadelphia. Brick, 2 stories, 15x40 feet, slag roof, parquet floors, hot water heating, electric lighting. Owner is taking sub-bids.

**Supplies**, Fairmount Park, Philadelphia. Owners, City of Philadelphia, care of Office of the Commissioners of Fairmount Park, 127 City Hall, Philadelphia. Lumber, brick, cement, gravel, hardware, paints, glass, cut iron, plumbing supplies, stores, tin settees, picnic tables, border irons, terra cotta pipe, broken trap rock and screening, broken slag, tree guards, top soil and nursery stock, paving, cut granite curbing, vitrified and slag blocks, fencing, granolithic and asphalt pavements. Owners taking bids due December 29th at 11 A. M.

**Residence**, Germantown, Philadelphia. Architect, Robert Rodes McGoodwin, 1422 Walnut street, Philadelphia. Owner, Charles Ellis Goodin, Adelphia Hotel, Philadelphia. Stone, 2½ stories, slate roof. Plans in progress. Details undecided.

**Dormitory House**, Ashhurst, No. 31, Thirty-fifth and Woodland avenue. Architects, Stewardson & Page, 316 Walnut street, Philadelphia. Owners, University of Pennsylvania, Philadelphia, Pa. Brick, 4 stories, 40x42 feet, gypsum tile roof, cement, pine and terrazzo floors, marble work, stone foundations, metal lath, waterproofing, iron work (heating and electric work reserved). Architects taking bids due December 31st. H. H. Burrell, 206 South Quince street; Roydhouse-Arey Co., 112 South Broad street, and William R.

Dougherty, 1610 Sansom street, are figuring.

**Sales and Service Building**, Twenty-fifth and Pennsylvania avenue, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Neel-Cadillac Co., Percy L. Neel, president, 144 North Broad street. Reinforced concrete and steel, flat slab, mat glazed terra cotta, 7 stories, 216x215x328x150 feet, spiral rants, steam heating, electric lighting, rolled steel sash. Plans in progress.

**Residences (21)**, Fifty-fourth and Willows avenue, Philadelphia. Architect, private plans. Owner, E. J. Rusk, 1018 South Fifty-fifth street, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, oak floors, hot water heat, electric lighting. Owner is taking sub-bids.

**Garage**, Thirteenth and Windrim avenue, Philadelphia. Architect, private plans. Owner, Adolph Schuck, 5221 Warnock street, Philadelphia. Brick and steel, 1 story, 125x38 feet, stone foundations, slag roof, cement floors (heating and electric work reserved). Owner has received bids.

**West Philadelphia Stock House (alts.)**, West Philadelphia, Pa. Architect, William H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick work, plastering, repairing roof, composition floors, painting, plumbing, metal lath (heating and electric work reserved). Owners have received bids.

**Publishing House**, Seventh and Race streets, Philadelphia. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owner, Frank V. Chambers, 210 North Thirteenth street, Philadelphia. Brick, 3 stories, 80x24 feet, slag roof, cement and pine floors, stone foundations, tile work (electric lighting, heating and elevators reserved). Revised plans in progress.

**Store Building (alts.)**, Front and Market sts., Philadelphia. Architects, Hoffman-Henon Co., Finance Building, Philadelphia. Owners, Schulte Co., 386 Fifth avenue, New York City. Brick work, carpentry and mill work, sheet metal work, plastering, tile work, plumbing, electric work, steam heat, hardware, metal lath. Architects taking bids due as soon as possible. A. Zellfelder, 151 South Broad street, and Pierce-Henon Co., Bulletin Building, figuring.

**Bulletin Building Annex**, Juniper and Arch sts., Philadelphia. Architect, Edgar V. Seeler, Juniper and Chestnut sts., Philadelphia. Owner, Evening Bulletin, Juniper and Filbert sts., Philadelphia. Brick, steel and concrete, 7 stories, 134x80 feet, concrete foundation, slag roof, maple and composition floors, marble work, rolled steel sash, iron stairs and work, metal lath, safety treads, roof ventilators, waterproofing (heating, electric work and plumbing reserved). Doyle & Co.,

1519 Sansom street, only bidders, taking sub-bids.

**Residences (2) (alts. and add.) and Garage**, 1609-11 Erie avenue. Architect, Edwin L. Rothschild, 1011 Chestnut street, Philadelphia. Owner, Isaac Leblang, 3644 North Broad street, Philadelphia. Brick, 1 and 2 stories, 32x16 feet; garage, 20x23 feet; stone foundation, slag roof, oak and cement floors, hot-water heat, electric light, tile and marble work. Architect has received bids.

**Store (alts.)**, 912 Walnut street, Philadelphia. Architect, E. A. Wightman, 1213 Filbert street, Philadelphia. Owners, Hastings-Mackintosh Truss Co., on premises. Interior alterations, steam-heating repairs, new partitions, electric work, oak floors, new windows, hollow metal skylights, brickwork, plastering, carpentry, millwork, painting, hardware. Architect taking bids due December 26. William R. Dougherty, 1610 Sansom street; Harry R. Rust, 724 Ludlow street; John M. Yardley, 1716 Sansom street, and A. P. Fraim, 319 Market street, are figuring.

**School and Education Centre**, southeast corner of Sixth and Vine streets, Philadelphia. Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Board of Home Missions and Church Extension of the Methodist Episcopal Church, 1701 Arch street, Philadelphia. Preliminary sketches drawn. Too early for details.

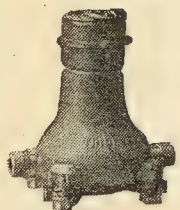
**Store and Apartments**, 708 North Seventh street, Philadelphia. Architect, private plans. Owner, Benjamin E. Sattler, 200 Penn Square Building, Philadelphia. New front, hot-air heating, electric lighting, roof repairs, pine floors, (4) metal bulk windows. Owner is taking sub-bids.

**Residences (44)**, Twenty-ninth street and Allegheny avenue, Philadelphia. Architect, private plans. Owner, Morris L. Miller, 1202 Commonwealth Building, Philadelphia. Brick, 2 stories, 18x50 feet and 16x55 feet, slag roof, tile work, oak and pine floors, cement work, hot-water heating, electric lighting, galvanized iron bay windows, garages in basement. Owner is ready for sub-bids.

**Residences and Garages (14)**, Roosevelt Boulevard, between Second and Third streets, \$100,000. Architect, private plans. Owners, Glanzberg & Bittleman, 2021 South Eighth street, Philadelphia. Brick, 2 stories, 15x31½ feet, 12½x21 feet, 17x55 feet, 16x31 feet and 13x21 feet, slag roof, hot-water heating, electric lighting. Owners will build.

**Residence**, Roxborough, Philadelphia. Architect, Amos W. Barnes, 1507 Arch street, Philadelphia. Owner, Dr. B. R. Peltz, 9044 Ridge avenue, Roxborough. Frame, 1½ stories, 20x40 feet, shingle roof, oak floors, hot-water heating, electric lighting, tile work. Plans completed. Architect is ready for bids.

**Residence (int. alts.)**, 3644 North Broad



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street, Philadelphia. Architects, Magaziner & Eberhard, 603 Chestnut street, Philadelphia. Owner, Isaac Leblang, on premises. Interior alterations. Too early for details. Preliminary plans in progress.

**Store and Residence (alts. and add.),** 53 North Fifty-second street, Philadelphia. Architect, Carl P. Berger, 1416 South Penn square, Philadelphia. Owner, Florence M. Heim, 53 North Fifty-second street, Philadelphia. Brick, 3 stories, 16x12 feet, slag roof, oak and maple floors, electric lighting, hot-water heating, tile work, plumbing, hardware, painting, glazing, millwork, carpentry, iron work. Architect taking revised bids, due December 27. Hogg Construction Co., Denckla Building; Price Construction Co., 1412 South Penn Square, are figuring.

**Store (alts.),** northeast corner Fifth and Market streets, Philadelphia. Architects, Clark & Dudnick, 618 Drexel Building, Philadelphia. Owner, S. Aaronberg, care of architects. Metal lath and plaster partitions, flush bulks, marble work, lighting fixtures, structural steel. Architects taking bids, due December 26. Robbins Construction Company, 1137 North Front street; C. M. Segal, 3110 Page street, and Penn Construction Company, Bulletin Building, are figuring.

**Residence (alts.) to Apartments,** 6307 Germantown avenue. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, William F. B. Koelle, Otis Building, Philadelphia. Stone, 3 stories, 25x200 feet, tin and slag roof, plastering, carpentry, electric work. Revised plans in progress.

**Residence, Queen Lane Manor,** Philadelphia. Architects, Hawley & Hawley, Stokley and Roberts avenues, Philadelphia. Owner, J. S. Kinley, Schoolhouse lane and Wisahickon lane. Brick, 2½ stories, 28x45 feet, shingle roof, oak and pine floors, stone foundations, hot-water heating, electric lighting, tile work, iron work. Architects taking sub-bids.

**Residence (alts. and add.),** 630 South Forty-eighth street, Philadelphia. Architects, Pollock & Rust, 1802 Chestnut street, Philadelphia. Owner, Mrs. Elizabeth Call, care of architects. Interior alterations, carpentry, millwork, tin roof, tile work, electric lighting, plumbing, stairwork. Architects taking bids, due December 30th. Wm. R. Graham, 3649 Filbert street; F. E. Wallace, 1220 Chancellor street; Albert Zellfelder, 151 South Broad street, and Chas. R. Davis & Son, Fifteenth and Ellsworth streets, are figuring.

**Store Building (alts. and add.),** 139-143 N. Seventh street, Philadelphia. Architects, Balinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, J. D. Johnson & Co.,

on premises. Architects taking bids, due December 30th. Robert E. Lamb Co., 843 North Nineteenth street; Ketcham & McQuade, 1029 Brown street; F. B. Davis, 240 North Sixteenth street; P. Haibach Cont. Co., Twenty-sixth and Thompson streets; Sutton & Stephenson, 1317 Washington avenue, and Frank K. Stahl, 2713 North Park avenue, are figuring.

**Theatre (add.),** New Lobby, Sixtieth and Market streets, Philadelphia. Architects, Hoffman, Henon, Inc., Finance Building, Philadelphia. Owners, Cross Keys Theatre Co., on premises. New lobby. Architects taking bids, due December 24th. Pierce Henon Co., Bulletin Building, is figuring.

**Dwelling (alts. and add.) to Apartments,** 3715 Spruce street, \$3,500. Architect, private plans. Owner, L. Edna Hawman, 3337 Woodland avenue, Philadelphia. Brick, 1 story, 17x20 feet, slag roof, electric lighting. Owner will build.

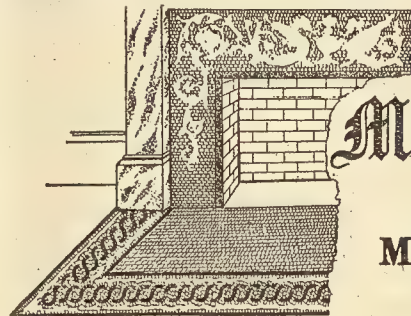
**Temporary Corridors connecting Buildings,** Broad and South streets, Philadelphia. Architects, Stewardson & Page, 316 Walnut street, Philadelphia. Owners, St. Mary's Church, Broad and South streets, Philadelphia. Brick or hollow tile, brick and stone foundations, plastering, brick work, painting, glazing and hardware. Architects taking bids, due December 26th. Wm. R. Dougherty, 1610 Sansom street; F. E. Wallace, 1220 Chancellor street; H. H. Burrell, 206 South Quince street, and Jacob Myers & Sons Co., Witherpoon Building, are figuring.

**Sales and Office Building,** southeast corner of Broad and Vine streets, Philadelphia. Architects, McIlvain & Roberts, Otis Building, Philadelphia. Owners, Bigelow-Wiley Motor Co., 304 North Broad street, Philadelphia. Limestone and reinforced concrete, 8 stories, 85x120 feet, slag roof, cement floors, hollow tile, metal lath, elevators, concrete foundations, steam heating, electric lighting, tile and marble work, iron stairs. Architects taking bids. H. E. Baton, 1713 Sansom street; Cramp & Co., Denckla Building; Metzger & Fisher, Otis Building; F. W. Mark Cont. Co., Commercial Trust Building; John N. Gill & Co., Otis Building; E. J. Hedden, Finance Building; Barclay White & Co., 1713 Sansom street; Wm. R. Dougherty, 1610 Sansom street; Warren-Moore Co., Colonial Trust Building; Turner Const. Co., 1713 Sansom street, and F. G. Stewart, 1619 Sansom street, are figuring.

**Residences (alts. and add.) to Apartments,** 146-47 North Fifty-second street, Philadelphia. Architect, E. Allen Wilson, 1203 Chestnut street, Philadelphia. Owners, Keshaw & Crowl, 5215 Chestnut street, Philadelphia.

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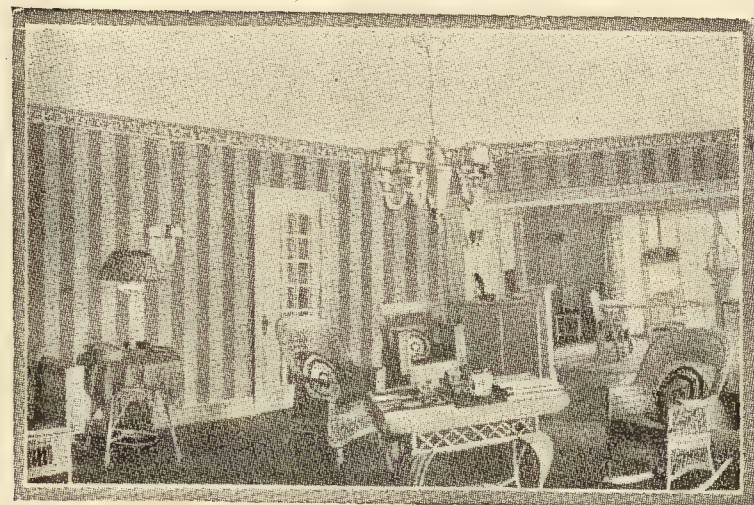
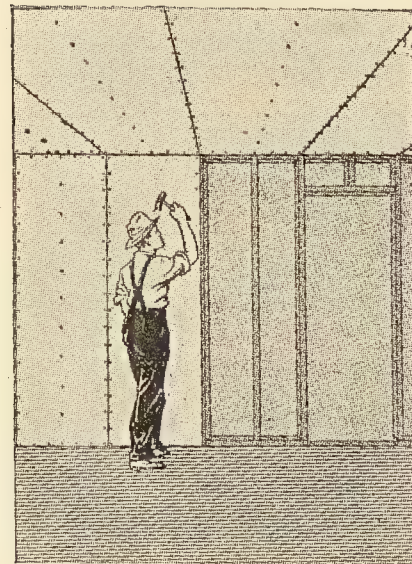
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hot water heating, electric lighting, metal bulks. Architect is ready for bids.

hollow metal doors (heating and electric lighting separate bids). Contract awarded to Barclay White & Co., 1713 Sansom street, Philadelphia.

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Manufacturing Building**, southeast corner Swanson street and Snyder avenue, \$8000. Architect, private plans. Owner, General Manufacturing Company, on premises. Brick, 1 story, 47x76 feet, slag roof, cement floors. Contract awarded to Henry P. Friend, Norristown, Pa.

**Store and Dwelling (alts. and add.)**, 4755 North Eleventh street, \$2,500. Architect, private plans. Owner, H. Ulitsky, Parrish and Marshall streets, Philadelphia. Brick, two-story front addition, 16x6 feet; one story, 12x10 feet; slag roof. Contract awarded to N. Litman, 2030 South Fifth street, Philadelphia.

**Bottling House (alts.)**, Juniper and Fitzwater streets, \$20,000. Architects, Pueckert & Wunder, 310 Chestnut street, Philadelphia. Owner, Consumers' Brewing Company, on premises. Underpinning and new floors, general alterations, stone foundation, concrete floors. Contract awarded to E. E. Hollenback, Inc., 1804 Brandywine street.

**Store and Storage Building (alts. and add.)**, 252 South Second street, \$18,000. Architect, private plans. Owner, Joseph Ross & Co., on premises. Brick, 4 stories, 29½x72 feet, general interior alterations. Contract awarded to H. Blumenthal, 313 Spruce street, Philadelphia.

**Garage**, Orianna street, rear of 853-65

North Fourth street, Philadelphia. Architect, Van Rensaleer H. Green, 154 Nassau street, New York city. Owners, Colonial Ice Cream Co. and Edw. W. Trainer, 820 South Second street. Reinforced concrete and brick, 3 stories, 78x95 feet, slag roof, concrete floors, hollow tile, safety treads, concrete foundation, electric lighting, rolled steel sash fire doors. Contract awarded to F. W. Mark Construction Company, Commercial Trust Building.

**Bank**, Sixtieth and Ludlow streets, Philadelphia. Architects, Heacock & Hokanson, Bailey Building, Philadelphia. Owners, Mutual Trust Company, S. F. Scattergood, president, Bourse Building. Brick and terra cotta, 100x23 feet, 32 feet high, slag roof, metal lath, hollow tile, hollow metal sash, iron stairs and work, metal weatherstrips (plumbing, heating, tile work, electric work, floors and terrazzo work reserved). Contract awarded to F. B. Davis, 240 North Sixteenth street, Philadelphia.

**Manufacturing Plant**, Stenton avenue and Loudon street, \$100,000. Architects, Pueckert & Wunder, 310 Chestnut street, Philadelphia. Owners, Wicaco Screw and Machine Works, Inc., Seventh and Wood streets. Brick, 2 stories, 82x321 feet, slag roof, maple floors, hollow tile, damp-proofing, iron work, stone foundation, tile and marble work, rolled steel sash and skylights,

**Residence (alts. to Apartment)**, northeast corner Twentieth and Wallace streets, \$5000. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, name withheld. General interior alterations, oak floors, steam heating, electric lighting, tile work, plumbing and heating. Contract awarded to Smith-Hardican Co., 1606 Cherry street, Philadelphia.

**Residence and Store (add.)**, 1311 Vine street, Philadelphia, \$5800. Architect, private plans. Owner, M. Lessey, 1933 North Thirty-third street, Philadelphia. Brick, 2-story addition, 10x15 feet, slag roof. Contract awarded to D. Warshovsky, 810 North Marshall street.

**Residences and Stores (21)**, Parkside avenue, east of Belmont avenue, \$168,000. Architect, I. Levin, 536 Ritner street, Philadelphia. Owner, Abe Koch, 525 Porter street, Philadelphia. Brick, 2 stories, 16x47 feet and 13x23 feet, slag roof, hot-water heat. Contract awarded to Harry Hartman, 2119 South Fourth street, Philadelphia.

**Garage**, Twenty-second street, south of Race street, Philadelphia, \$25,000. Architect, private plans. Owner, Alex. Kenbus & Co., Dreave and Green streets, Philadelphia. Brick, 2 stories, 62x125 feet, steam heat, cement floors. Contract awarded to Edw. Cunningham, 2214 Chestnut street, Philadelphia.

**Residences (10)**, Roosevelt Boulevard, north of Rising Sun avenue, \$70,000. Architect, private plans. Owner, Robert D. Hamilton, Godfrey and York streets, Philadelphia. Brick, 2 stories, 16.4x41 feet, hot-water heating. Owner will build.

**Stores and Offices**, northwest corner Tenth and Market streets, \$40,000. Archi-

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tect, private plans. Owner, Curtis Trust, 400 Chestnut street, Philadelphia. Lessee, Vaudain Warehouse Company, 29 Broadway, New York. General alterations. Contract awarded to Cunningham & Foley, 219 West 116th street, New York.

**Garage**, Haverford avenue, east of Sixty-third street, Philadelphia, \$20,000. Architect, private plans. Owner, Collingswood Construction Company and J. P. Eckert, 111 Mt. Airy avenue, Chestnut Hill, Philadelphia. Brick, 1 story, 100x150 feet, slag roof, cement floor, electric lighting, steam heating. Owners will build.

**Ice House, Engine Room and Ice Storage House**, Powers lane and Island road, Philadelphia. Architect, William F. Koelle, Twenty-sixth and Oxford streets, Philadelphia. Owner, Crescent Ice Company, Fifty-second street and Woodland avenue, Philadelphia. Brick, 1 story, 146x105 feet, slag roof, cement floors, stone foundation, concrete footings, plumbing, millwork and glazing (electric work reserved), sheet metal work. Contract awarded to William F. Koelle & Co., Twenty-sixth and Oxford streets, Philadelphia.

**Stores and Storage Building (alts.)**, 7, 9, 11 and 13 South Seventeenth street, \$4000. Architect, private plans. Owner, Daniel Dever, 1636 Market street, Philadelphia. General interior changes and new front. Contract awarded to John Welsh, 221 North Seventeenth street, Philadelphia.

**Manufacturing Building (alts.)**, 520 But-tonwood street, \$7000. Architect, private plans. Owner, William Thompson, 2d, 1349 Colwyn street, Philadelphia. Brick, general interior changes. Contract awarded to Charles G. Reeves, 257 West Clapier street.

**Garage**, 126-132 Race street, Philadelphia, \$10,000. Architect, J. M. Blew, 833 South Cecil street, Philadelphia. Owner, Harry J. Hogg, 118 North Second street, Philadelphia.

Brick, 1 story, 75x76½ feet, slag roof, cement and pine floors, steam heating, electric lighting, metal lath, hollow metal skylights, ornamental iron work. Contract awarded to Clayton Lofland, southwest corner Water and Race streets.

**Apartments (alts. from res.)**, 328-330 and 400 West Cheltenham avenue, \$12,900. Architect, private plans. Owner, John F. Conlin, 5340 Germantown avenue, Philadelphia. General alterations. Contract awarded to W. J. Carroll, 5712 Crittenden street.

**Garage**, southeast corner Fifty-second street and Willows avenue, \$20,000. Architect, private plans. Owner, John J. Connor, northeast corner Fifty-second and Regent streets, Philadelphia. Brick, 2 stories, 95x100 feet, slag roof, electric lighting, steam heating. Owner will build.

**Service and Office Building**, Twenty-fourth, Market to Chestnut streets, \$1,000,000. Architect, Charles E. Oelsschlager, 1615 Walnut street, Philadelphia. Owners, Gomery-Schwartz Motor Car Company, John G. Schwartz, president, Broad and Cherry streets, Philadelphia. Brick, steel and concrete, 8 stories, 136x450 feet, rolled steel sash, hollow tile, metal lath, rolling steel doors, steam heating, electric lighting. Contract awarded to M. J. O'Meara, 329 South Broad street, Philadelphia.

**Residence and Store (alts. and add.)**, Thirty-first and Norris streets, \$7000. Architect, private plans. Owner, Suzan Sopenoff, Seventh and Moore streets, Philadelphia. Brick, 2 stories, 15x10 feet, slag roof, hot-water heat, electric lighting. Contract awarded to Samuel Hankin, 4207 Viola street, Philadelphia.

**Store (alts. and add.)**, 1222-24 Walnut street, Philadelphia, \$50,000. Architect, Frank E. Hahn, 1112-14 Chestnut street, Philadelphia. Owner, Stecker, Inc., 1222-24 Walnut street, Philadelphia. Brick and hollow tile,

4 stories, slag roof, 22x44 feet, maple floors, stone foundation, electric light, tile and marble work, metal lath, kalamein doors, metal ceilings, damp-proofing, iron work (heating and elevator reserved). Contract awarded to Edw. Fay & Son, 2 South Mole street.

**Manufacturing Building**, Sedgley and Germantown avenues, \$35,000. Architects, William Steele & Sons Company, 1600 Parkway. Owner, T. E. Brown & Sons, Second and Westmoreland streets. Brick and concrete, 2 stories, 24x27x135 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash. Contract awarded to William Steel & Sons Company, 1600 Parkway.

**Building (alts.)**, 1221-23 Chestnut street, Philadelphia. Architect, William Burnett Tuthill, 185 Madison avenue, New York. Owner, R. W. Realty Co., 121 Duane street, New York. Marble and brick work, iron work and stairs, pine plank floors, carpentry, millwork, glazing, hollow metal skylights, metal lath, plastering, painting (plumbing, heating, tile work, metal ceilings reserved). Contract awarded to H. E. Baton, 1713 Sansom street, Philadelphia.

**Store and Dwelling (alts. and add.)**, 3138 Kensington avenue, \$8,700. Architect, private plans. Owner, E. I. Shuttleworth, 3054 Kensington avenue, Philadelphia. Brick, 2 stories, 21x41 feet, and 1 story, 21x20½ feet, slag roof. Contract awarded to John T. Carberry, 1974 Medary avenue, Philadelphia.

**Lumber Shed**, Seventh street, south of Tabor Road, Philadelphia, \$2,600. Architect, private plans. Owners, Philadelphia Textile Machinery Co., Seventh and Tabor Road. Frame, 40x90 feet. Contract awarded to R. F. Malloy, 2316 East Lehigh avenue, Philadelphia.

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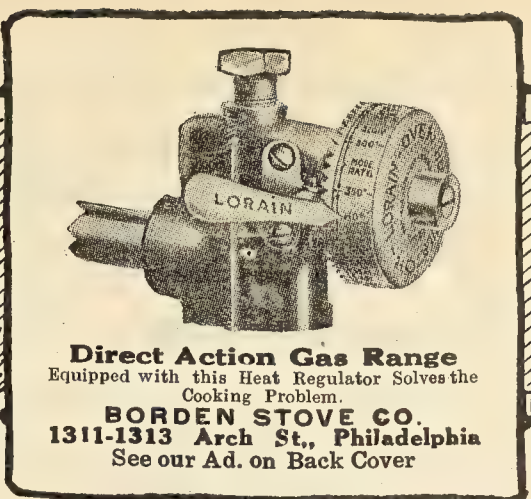






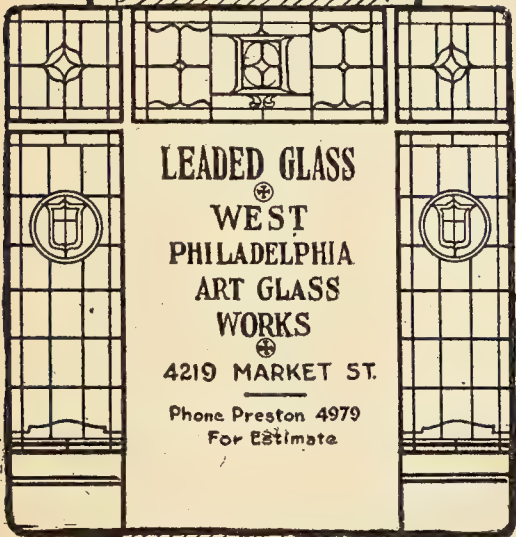
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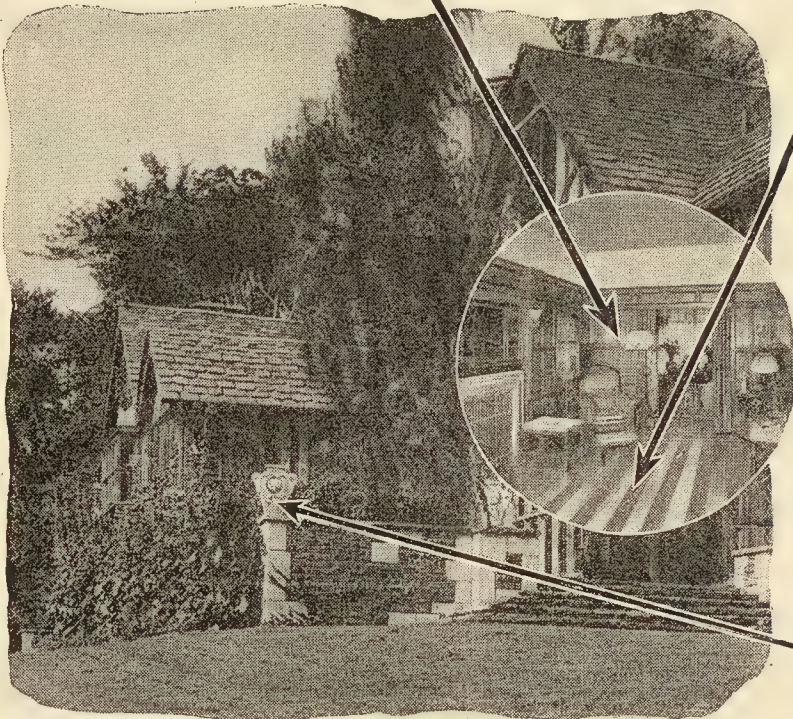
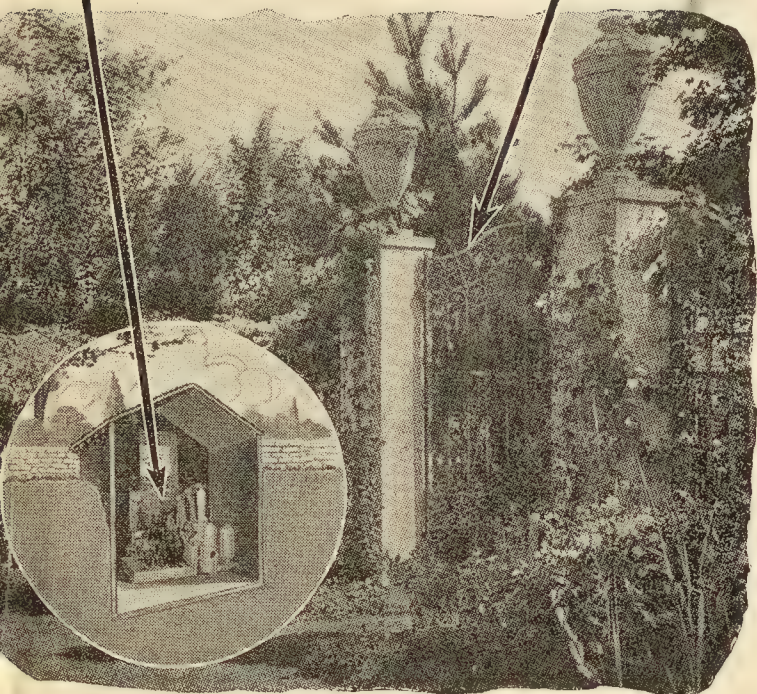
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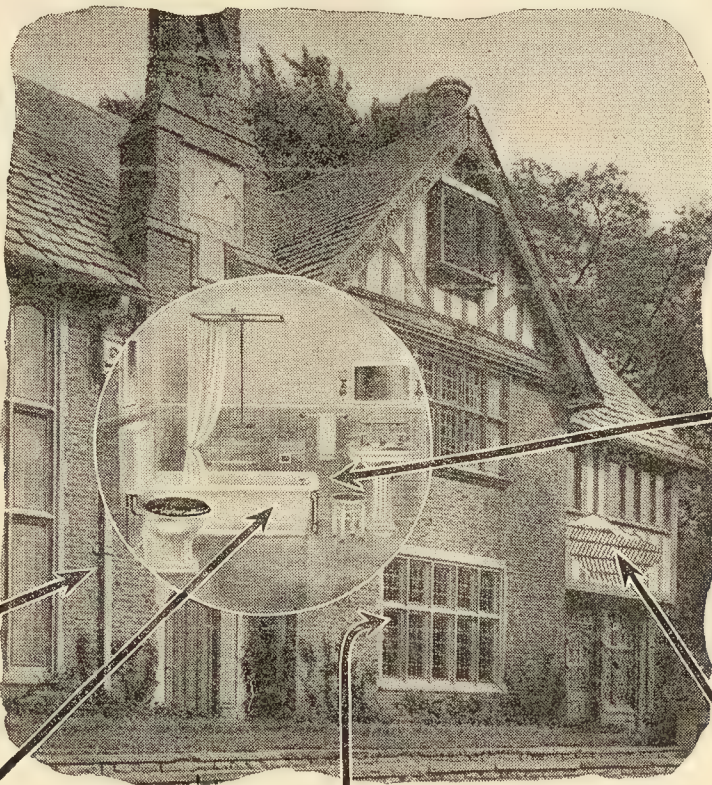
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**Pennsylvania  
Construction News**

**Residence, Easton, Pa.** Architects, Martin & Kirkpatrick, 130 South Fifteenth street, Philadelphia. Owner, R. S. Knapp, Easton, Pa. Stone and stucco, 2½ stories, slate roof, hot-water heating, electric lighting, oak floors, cement work. Architect taking bids due January 7. Matthews Construction Co., 103 Park avenue, New York City; Stewart Construction Co.; A. A. Bechtel; W. H. Snyder, and Asa P. Smith & Sons, all of Easton, Pa., are figuring.

**Bridges, various locations, Pennsylvania.** Owner, State of Pennsylvania, Lewis Sadler, Capitol Building, Harrisburg. Lowest bids submitted by: Berks Co., Route 147, Union township, Sta. 1442, fabrication and erection complete of one through-plate girder highway bridge, 79 feet, C. to C. bearings, 25.6 feet, c. to c. girders at 42 degrees skew, according to Sheets S-253. The Obs Co., 918 Spruce street, Philadelphia, \$31,157.04. Bucks Co., Route 150, Falls township, Sta. 704. Fabrication and erection complete of one through-plate girder highway bridge, 2 c. to c. bearings, 25.4 feet c. to c. girders at 60 degrees skew, according to Sheets S-275. The Obs Co., 918 Spruce street, \$24,377.17. Bucks Co., Route 150, Falls township, Sta. 768. Fabrication and erection complete of one through-plate girder highway bridge, 74 feet c. to c. bearings, 35.4 feet c. to c. girders at 45 degrees skew, according to Sheets S-274. The Obs Co., 918 Spruce street, \$28,540.90.

**Residence, Kirklyn, Pa.** Architects, Mills & Van Kirk, Harrison Building, Philadelphia. Owner, Charles F. Kolb, West End Trust Building. Brick and stucco, 2½ stories, 31x36 feet, wing 8x14 feet, shingle roof, hardwood floors, stone foundation, vapor heating, electric lighting, tile and marble work. Owner is taking sub-bids.

**Recreation Centre, Eaglesville, Pa.** Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owners, Eaglesville Sanatorium for Consumptives, Jerome H. Louchheim, secretary of Building Committee, Franklin Bank Building, Philadelphia. Frame, 2½ stories, 68x80 feet, shingle roof, steam or hot-water heating, electric lighting, stone foundations, tile work, maple and pine floors, hollow metal skylights, plumbing. Owners have received bids.

**Nurses' Home, Hazleton, Pa.** Architects, Stewardson & Page, 316 Walnut street, Philadelphia. Owners, State Hospital, Hazleton, Pa. Brick and stone, 3 stories, 95x31x10 feet, cement floors, stone foundation, tile and marble work, structural steel. Architects taking bids, due December 30. H. Mailander, John Froh, H. L. Campbell, all of Hazleton, Pa.; J. W. Boyle, West Hazleton, Pa.; Beard Construction Company, Reading, Pa., and Shepherd Construction Company, Wilkes-Barre, Pa., are figuring.

**Industrial Plant, Lewistown Junction, Pa.** Architects, Ballinger & Perrot, Seventeenth and Arch streets, Philadelphia. Owners, Viscose Company, Marcus Hook, Pa. Brick, steel and terra cotta (half size of Marcus Hook Plant). Plans in progress. Too early for details.

**Church, Wyomissing, Pa.** Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, Lutheran Church of Atonement, Rev. J. L. Deaton, Wyomissing. Stone, 1 story and basement, 40x90 feet, stone foundations, slate roof, maple floors, vapor

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heating, electric lighting, tile work. Preliminary plans in progress.

**Church (int. alts.),** Perkiomen avenue, Reading, Pa. Architect, A. A. Ritcher, Sixth and Court streets, Reading, Pa. Owner, St. Andrew's Reformed Church, Rev. E. H. Romig, 1630 Perkiomen avenue, Reading, Pa. Stairway, interior decoration and painting, pews, general interior alterations. Plans in progress.

**Residence (alts.) to Apartment,** 321 North Ninth street, Reading, Pa. Architect, Calvin Young, 520 Washington street, Reading, Pa. Owner, J. A. Koller, on premises. Brick, 3 stories, 12x25 feet, stone foundations, composition roof, pine floors, heating extension, electric lighting, general interior alterations. Plans in progress. Architect ready for bids.

**Residence (alts.) to Apartments,** 304 North Fifth street, Reading, Pa. Architect, Calvin Young, 520 Washington street, Reading, Pa. Owners, J. H., R. R. and F. A. Lewis, 225 South Third street, Reading, Pa. Brick, 3 stories, 40x25 feet, composition roof, hardwood floors, stone foundations, electric lighting, tile work, general interior alterations. Plans near completion. Owners will take bids.

**Bridge,** Bingham street, Reading, Pa., \$750,000. Architect, private plans. Owner, City and County of Berks, Reading, Pa. Reinforced concrete and steel, 1360 feet long, 60 feet wide, 16 spans. All bids rejected. Owners taking new bids, due December 28.

**Ice Cream Plant,** Shamokin, Pa. Architect, W. H. Lee, 32 South Seventeenth street, Philadelphia. Owners, C. Tharp & Sons, Shamokin, Pa. Reinforced concrete, 2 stories, 35x50 feet, stone foundations, slag roof, concrete floors, steam heat, electric light, rolled steel sash and skylights, fire doors, elevators, safety treads, waterproofing, iron work. Architect taking bids, due as soon as possible. Rutz Bros., Emery Miller, Shamokin Lumber Company, East End Lumber Company, all of Shamokin, Pa., are figuring.

**Twin Residence,** Cynwyd, Pa. Architect, Mahlon H. Dickinson, 1705 Chestnut street, Philadelphia. Owner, Albert B. Milet, care architect. Stone, 2½ stories, 28x36 feet, slate roof, oak and pine floors, stone foundations, tile and marble work (heating and electric work reserved). Architect has received bids.

**Theatre Building, Windbur, Pa.** Architects, Henry L. Reinhold, Jr., and Ralph A. Land, 1513 Walnut street. Owner, Windbur Theatre Corporation, Windbur, Pa. Brick, 2 stories, 50x200 feet, slag roof, composition floors, stone foundations, steam heat, electric light, tile, marble and terrazzo work, ventilating system (1000 seating capacity). Architects ready for sub-bids.

**Bungalow,** Glenolden, Pa. Architects, Moss & Taylor, Fifty-eighth street and Girard avenue, Philadelphia. Owner, Edw. H. Bonsall, Glenolden, Pa. Stone and stucco, 1½ stories, 33x34 feet, wing 15x28 feet, slate roof, parquet and pine floors, stone foundations, hot-water heating, electric light, tile work. Owner has received bids.

**Church and Sunday School and Parsonage,** Duquesne, Pa. Architects, Charles W. Bolton & Son, Witherspoon Building, Philadelphia. Owner, Reformed Church, care Rev. Henry E. Gebhard, Duquesne, Pa. Stone, 1 and 2 stories, slag roof, wood floors, steam heating, electric lighting, tile work. Plans in progress.

**Road Work,** various locations, Pennsylv-

ania. Architect, private plans. Owner, State of Pennsylvania, Lewis S. Sadler, State Highway Commissioner, Capitol Building, Harrisburg, Pa. Lowest bids submitted by Chester Co., Appli. 650, London, Britain township, length 11,523 feet. One course reinforced concrete. Winston Co., Pottstown, Pa., \$94,892.40. Montgomery Co., Route 198, Appli. 943, Hatfield and Towamencin townships, length 8596 feet. Bituminous surface course on concrete foundation or one course reinforced concrete. Fish Rutherford, Inc., 622 Spruce street, Philadelphia, \$73,007.95. Northampton Co., appli. 1082, Route 175, Allen and East Allen townships. Length 31,200 feet. One course reinforced concrete. Archer, McMullin Co., Finance Building, Philadelphia, \$231,883.

**Road Work,** various locations, Pennsylvania. Owners, State of Pennsylvania, care of Lewis S. Sadler, State Highway Com., Capitol Building, Harrisburg, Pa. Lowest bids submitted by:

Allegheny County, Forward Township, Appli. 495, length 10,453 feet. One course reinforced concrete. Foster-Waring Const. Co., Pittsburgh, Pa., \$136,081.30.

Armstrong County, Kiskiminetas Township, Route 188, length 10,610 feet. One course reinforced concrete. The Summit Const. Co., Akron, O., \$119,882.90.

Beaver County, North Sewickley Township, Appli. 340, length 5,443 feet. One course reinforced concrete. W. S. Morrison, New Brighton, Pa., \$55,939.90.

Beaver County, Laugherty and New Sewickley Townships, Appli. 455-531, length 13,592 feet. One course reinforced concrete and hillside vitrified brick. S. B. Markley, Rochester, Pa., \$150,770.95.

Beaver County, Rochester and Daugherty Townships, Route 78, length 12,062 feet. One course reinforced concrete and hillside vitrified brick. Samuel Gamble Co., Carnegie, Pa., \$180,920.60.

Beaver County, Center Township, Route 76, length 5,311 feet. One course reinforced concrete. M. J. Scanlon, New Castle, Pa., \$96,178.80.

Berks County, Earl and Amity, Colebrookdale and Oley Townships, Appli. 1031, length 29,100 feet. One course reinforced concrete. The Weller Const. Co., Inc., Washington, D. C., \$221,128.35.

Berks County, Tilden and Upper Bern Townships, Route 141, length 14,850 feet. One course reinforced concrete. Bennett & Randall, Lebanon, Pa., \$105,852.18.

Butler County, Fairview Township, Route 251, length 18,778 feet. One course reinforced concrete. M. J. Scanlon, New Castle, Pa., \$221,016.40.

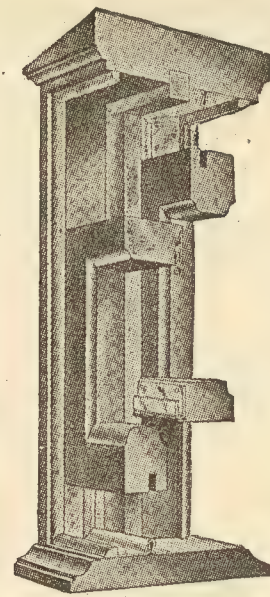
Butler County, Conoquessing and Butler Townships, Route 78, length 31,663 feet. One course reinforced concrete. C. E. Walter, Butler, Pa., \$316,042.30.

Carbon County, Lehigh Township, Appli. 1012, length 23,420 feet. One course reinforced concrete. Osborne Morgan, Wilkes-Barre, Pa., \$232,607.28.

Centre County, Bellefonte Borough, Route 27, length 1,720 feet. One course reinforced concrete. Frank Murphy, Altoona, Pa., \$38,783.98.

Centre County, State College Borough, Route 56, length 5,326 feet. Vitrified brick. Leo E. Kelly, Brooklyn, N. Y., \$154,878.45.

Clearfield County, Wallacetown Borough, Boggs and Bradford Townships, Route 57, length 39,911 feet. One course reinforced con-



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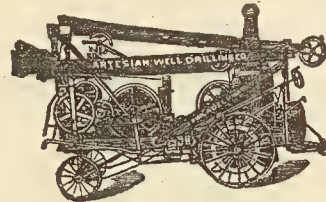
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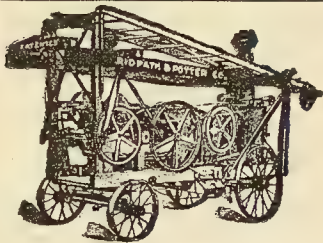
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**Terra Cotta Works, Crum Lynne, Pa**

crete. Warren Bros. Co., Boston, Mass., \$415,450.90.

Delaware County, Thronbury Township, Appli. 717, length 10,434 feet. One course reinforced concrete. Sutton & Corson, Ocean City, N. J., \$92,829.10.

Elk County, Ridgway Borough, Route 97, length 7,543 feet. One course reinforced concrete. The Miller Const. Co., Punxsutawney, Pa., \$95,964.25.

Elk County, St. Mary's Borough, Route 99, length 3,169 feet. One course reinforced concrete. C. A. McDonald, Dubois, Pa., \$42,620.83.

Elk County, Horton and Ridgway Townships, Route 59, length 25,563 feet. One course reinforced concrete. Warren Bros. Co., Boston, Mass., \$285,721.15.

Erie County, Mill Creek Township, Auth. 398, length 10,600 feet. One course reinforced concrete. Chas. H. Fry Const. Co., Erie, Pa., \$70,527.43.

Erie County, Girard Township and Platea Borough, Route 295. One course reinforced concrete. Chas. H. Fry Const. Co., Erie, Pa., \$164,270.31.

Erie County, Route 88, Green Township, length 21,109 feet. One course reinforced concrete. The Summit Const. Co., Akron, O., \$193,399.14.

Fayette County Fayette City Borough, Route 247, Appli. 874, length 1,125 feet. One course reinforced concrete. Lawrence S. Schultz & Son, Fredonia, N. Y., \$14,751.75.

Fayette County, Henry Clay Township, Route 363, length 5,467 feet. One course reinforced concrete. Petriello Bros. & Co., South Brownsville, Pa., \$66,072.20.

Fayette County, German Township, Appli. 1022, length 3,732 feet. One course reinforced concrete and hillside vitrified brick. Petriello Bros. & Co., South Brownsville, Pa., \$54,105.60.

Fayette County, Perry Township, Route 288, length 15,323 feet. One course reinforced concrete and hillside vitrified brick. Thos. Arigo, Charleroi, Pa., \$161,608.30.

Greene County, Center Township, Route 256, length 12,581 feet. One course reinforced concrete. E. E. Morris & T. Riley Huffman, Waynesburg, Pa., \$201,604.15.

Lawrence County, Scott Township, Route 233, length 14,784 feet. One course reinforced concrete. Aronberg & McDonald, New Castle, Pa., \$135,000.40.

Lawrence County, North Beaver Township, Route 265, length 11,625 feet. One course reinforced concrete. M. J. Scanlon, New Castle, Pa., \$124,956.97.

Northampton County, Palmer Township, Appli. 1075, length 18,860 feet. One course reinforced concrete. Smith McCormick & McInerney & McNeal, Inc., Easton, Pa., \$165,526.20.

Northumberland County, Ralpho Township, Appli. 902, Route 182, length 17,569 feet. One course reinforced concrete. Fiss & Christiano, Shamokin Dam, Pa., \$17,630.90.

Potter County, Shinglehouse Borough, Route 236, length 8,358 feet. Either bituminous surface course on a concrete foundation or one course reinforced concrete. Chanango Const. Co., Syracuse, N. Y., \$89,894.02.

Somerset County, Jenner Township, Route 42, Appli. 282, length 5,900 feet. One course reinforced concrete. Frank H. Zeigler, Somerset, Pa., \$48,447.70.

Susquehanna County, Oakland Borough, Route 10, Appli. 976, length 3,844 feet. One course reinforced concrete and hillside vitrified brick. Michael Barber, Binghamton, N. Y., \$38,352.20.

Tioga County, Westfield Borough, Route 103, Appl. 500, length 6,382 feet. One course reinforced concrete. R. J. Delong, Williamsport, Pa., \$78,017.20.

Warren County, Warren Borough, Route 88, length 2,080 feet. One course reinforced concrete. James P. Morrissey, Dunkirk, N. Y., \$39,656.50.

Westmoreland County, Salem and Unity Townships, Route 68, length 9,184 feet. One course reinforced concrete and hillside vitrified brick. McCrady Bros. Co., Braddock, Pa., \$138,195.35.

Westmoreland County, Derry Township, Route 68, length 32,047 feet. One course reinforced concrete and hillside vitrified brick. McCrady Bros. Co., Braddock, Pa., \$413,866.50.

Westmoreland County, Delmont Borough, Hempfield, Salem and Washington Townships, Route 68, length 57,549 feet. One course reinforced concrete and hillside vitrified brick. Warren Bros. Co., Boston, Mass., \$668,985.87.

**High School**, Elkins Park, Pa. Architect, Herbert C. Wise, 925 Chestnut street, Philadelphia. Owners, School Board of Cheltenham Township, care of J. H. Ervien, Ogontz, Pa. Stone, 3 stories, 75x250 feet. Architect taking bids, due January 8th. F. L. Hoover & Son, 1023 Cherry street; Cramp & Co., Denckla Building; R. C. Ballinger & Co., 218 North Thirteenth street; A. Raff Cont. Co., 1635 Thompson street, and H. E. Baton, 1713 Sansom street, are figuring.

**Residence**, Sharon Hill, Pa. Architects, Folsom & Stanton, 1328 Walnut street, Philadelphia. Owner, Mrs. Georgie Pierce Folsom, care of architects. Hollow tile and plaster, 2½ stories, 28x42 feet, shingle roof, oak floors, metal lath, stone foundations, warm air heating, electric lighting, tile work, iron work. Architects taking bids, due as soon as possible. Wills-Ludwick Co., 1708 Sansom street, are figuring.

**Operation of Residences**, Twenty-fourth and Crosby streets, Chester, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, R. H. Scroggins & Sons, Crozier Building, Chester, Pa. Brick, 2 stories, 16x48 feet, slag roof, pine floors, stone foundation, electric lighting. Owners ready for sub-bids in one week.

## Pennsylvania Contracts Awarded

**Post Office (Alts.)**, Chester, Pa. Architect, James A. Wetmore, Supervising Architect, Treasury Department, Washington, D. C. Owners, United States Government, Treasury Department, Washington, D. C. Sheet metal work, iron work, metal lath, hardware, painting, glazing, plastering, electric lighting. Contract awarded to F. W. Van Loon, Denckla Building, Philadelphia.

**Residence**, Jenkintown, Pa., \$30,000. Architect, E. Allen Wilson, 1218 Chestnut street, Philadelphia. Owner, Meyer Bayuk, The Touraine, Philadelphia. Brick and stucco, 3 stories, 30x52 feet; garage, 1 story, 24x32 feet; oak floors, tile roof, hot-water heating, electric lighting, tile and marble work, expanded metal lath, macadam roads. Contract awarded to Specht & Sperry, Heed Building, Philadelphia.

**Residence (Alts. and Add.)**, Bethayres, Pa., \$15,000. Architect, William C. Prichett, 416 Walnut street, Philadelphia. Owner, J. D. Lippincott, Bethayres, Pa. Brick and

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frame, 1 and 2 stories, 12x24 feet; slag roof, oak and pine floors, stone foundations, hot-water heating, electric lighting, hardware, millwork, carpentry, painting, glazing. Contract awarded to William R. Graham, 3649 Filbert street, Philadelphia.

**Residence and Garage**, Spring road, Elkins Park, Pa. Architect, C. A. Ziegler, 1218 Chestnut street, Philadelphia. Owner, Julius Hirsh, Tenth and Berks streets, Philadelphia. Stone, 2½ stories, 59x20 feet; wings, 35x41 feet; garage 1 story, 24x41 feet; shingle roof, oak and pine and cement floors, stone found., hot-water heating, tile work, ornamental iron work. Contract awarded to Specht & Sperry, Heed Building, Philadelphia.

**Residence (alts.)**, Haverford, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, C. T. Gano, Haverford, Pa. Interior alterations, carpentry and millwork. Contract awarded to Pomeroy Const. Co., 1609 Ranstead street, Philadelphia.

## New Jersey Construction News

**Town Hall and Fire House**, Main street, Pennsgrove, N. J. Architect, Clyde S. Adams, 1509 Arch street, Philadelphia. Owners, borough of Pennsgrove, care of Arthur Smith, Pennsgrove, N. J. Brick and reinforced concrete, fireproof, 2 stories, 36x95 feet; Spanish tile roof, tile and marble work, cement and composition floors, hollow tile, metal lath, dampproofing, ornamental iron work (heating, plumbing, electric work and hardware, res.). Lowest bidder: E. J. Kreitzburg, 1345 Arch street, Philadelphia, \$59,240. Brick used, add \$2730; slate used, deduct \$750.

**Casino, Dock, Swimming Pool and Dance Hall**, Seaside Park, Ocean County, N. J. Architect, Arnold H. Moses, 136 South Fourth street, Philadelphia. Owners, borough of Seaside Park, Seaside Park, N. J. Frame, 2 stories, cement work, electric lighting. Engineers, Remington & Vosbury, Sixth and Market streets, Camden, N. J., taking bids due January 5. (Plans from engineers' office.)

**Residences (100)**, Haddington avenue and Whitman street, Camden, N. J. Architect, private plans. Owner, John Maginnis, 514 Walnut street, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, oak floors, stone found., hot-water heating, electric lighting, tile work. Owner is taking sub-bids.

**Building**, Plainfield, N. J. Architects, Jallade, Lindsay & Warren, 37 Liberty street, New York. Owners, Y. M. C. A., Plainfield, N. J. Concrete, brick and steel, terra-cotta, 3 stories, 108x149 feet; maple and cement floors, tile, marble and terrazzo work, hollow metal sash, fire-escapes, iron work, metal lath, roof ventilators, waterproofing, dampproofing. Architects taking bids due December 26. M. H. McCloskey, Jr., 1620 Thompson street, additional bidders.

**Residence and Garage**, Swedesboro, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owner, Isaac H. Bradshaw, care of architect. Hollow tile and rough cast, 1½ stories, 42x62 and 10x20 feet, Spanish tile roof, pine floors, metal lath, iron work (roofing, heating and electric work, res.). Architects taking bids due December 31. William R. Graham, 3649 Filbert street, and Wills-Ludwick Co., 1708

Sansom street. J. M. Yardley, 1716 Sansom street, and J. W. Draper, Camden, N. J., are figuring.

**House**, Green Curve, Trenton, N. J. Architect, Wm. Kleman, First National Bank Building, Trenton, N. J. Owner, Edw. Tremple, Pennington and Willow streets, Trenton, N. J. Frame, 1 story, 38x30 feet, shingle roof, pine floors, electric light, tile work. Architect taking bids, due as soon as possible. Wm. Ivins, Fred Parker, Samuel Wiley, J. H. Morris, C. J. Smith, and Burton & Burton, all of Trenton, N. J., are figuring.

**Factory (add.)**, New Brunswick, N. J. Architect, Wm. Klemann, First National Bank Building, Trenton, N. J. Owners, Trenton Porcelain Co., 803 East State street, Trenton, N. J. Hollow tile, 1 story, 100x100 feet, slag roof, cement floors, steam heat, electric light, rolled steel skylights. Architect has received bids.

**Garage**, Perry street, Trenton, N. J. Architect, Wm. Kleman, First National Bank Building, Trenton, N. J. Owner, Isadore Berkelhammer, North Clinton avenue, Trenton, N. J. Brick and reinforced concrete, 2 stories, 50x100 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash, elevators, roof ventilators, gasoline storage. Architect has received bids.

**Store Building (alts.)**, State and Warren streets, Trenton, N. J. Architect, Wm. Klemann, First National Bank Building, Trenton, N. J. Owner, S. B. Shankman, South Broad street, Trenton, N. J. Stone, interior work, tile and marble work, plate glass. Architect has received bids.

**Factory**, Bruenig avenue, Trenton, N. J., \$39,000. Architect, private plans. Owners, Ajax Rubber Co., Breunig avenue, Trenton, N. J. Brick and steel, 1 story, 16x60 feet, stone foundations, plank roof, pine and concrete floors, electric light, hollow metal sash, fire doors. Owner will build.

**Houses (6)**, North Olden avenue, Trenton, N. J., \$3,864 each. Architect, private plans. Owner, Martin Whalen, 682 Centre street, Trenton, N. J. Frame, 2 stories, 12x30 feet, stone foundations, shingle roof, pine floors. Contract awarded to F. H. Johnson, Trenton, N. J.

## Miscellaneous Construction News

**Bakery**, Pennsylvania and North avenues, Baltimore, Md. Architect, William W. Slack & Co., 142 State street, Trenton, N. J. Owner, Robert C. Kolb, Kingscourt Apartments, Philadelphia. Brick, stone trim, 1 and 2 stories, slag roof, hollow metal skylights, reinforced concrete, metal doors, fireproofing, metal lath, tile work, composition floors, dumb waiters (heating, electric wiring and plumbing, reserved). Contract awarded to Singer-Pentz Co., Equitable Building, Baltimore, Md.

**Residence**, Newport News, Va. Architect, E. A. Wightman, 1213 Filbert street, Philadelphia. Owner, L. U. Noland, Newport News, Va. Brick, 2½ stories, 30x42 feet, tile roof, oak floors, concrete found., hot-water heat, electric lighting, tile work. Plans in progress.

**Church and Sunday School**, Dayton, Ohio, \$35,000. Architects, Charles W. Bolton & Son, Witherspoon Building, Philadelphia. Owners, Grafton Avenue Reformed Church, care of Rev. Dr. Hales, Dayton, O. Hollow

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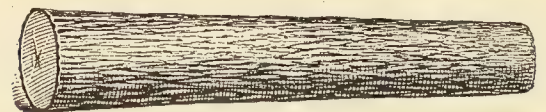
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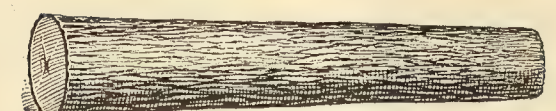
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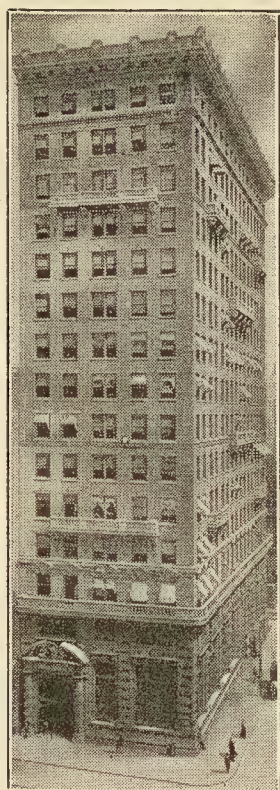
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Pa.

tile and stucco, 1 story, irregular size, slate roof, wood floors, steam heating, electric lighting. Plans in progress.

Hospital, Broome and Chestnut streets, Wilmington, Del. Owners, Physicians and Surgeons' Hospital, Wilmington, Del. Work contemplated. Architect not yet selected.

## Proposals

### INVITATION FOR PROPOSALS

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., December 11, 1919. Sealed Proposals will be opened in this office at 3 P. M. January 8, 1920, for changes, etc., the United States post office at Springfield, Ohio. Drawings and specifications may be obtained from the custodian of the building, Springfield, Ohio, or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., December 10, 1919. Sealed Proposals will be received at this office until 3 P. M., January 5, 1920, and then opened, for remodeling the United States post office, Fitchburg, Mass., in accordance with the specifications and drawings mentioned therein, copies of which may be had at this office or at the office of the custodian, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

### PROPOSALS FOR ALTERATION OF BUILDING.

PICATINNY ARSENAL, Dover, N. J., December 4, 1919.—Sealed proposals for altering building No. 117, will be received until 1 o'clock P. M. on December 22, 1919, and then opened. Information furnished on application to Commanding Officer, Picatinny Arsenal, Dover, N. J.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., Dec. 15, 1919. Sealed Proposals will be opened in this office at 3 P. M., January 8, 1920, for remodeling the United States Post Office building at McKeesport, Pa. Drawings and specifications may be obtained from the Custodian of the building at McKeesport, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

(Continued from Page 832.)

curing old masonry in damp and wet cellars, basements, tunnels, viaducts, and even the exterior masonry walls of ordinary buildings.

As before stated, the entire theory of this class of waterproofing is based on the expansion of the iron particles due to oxidation. The applications are made with ordinary brushes directly on the masonry walls or floors and consist of iron coats containing various percentages of iron, cement and sand, from a straight iron coat of simply iron and water to cement slush coats containing as little as 5 per cent. iron.

For ordinary concrete walls, usually six brush coat applications are necessary. First, the concrete surfaces are thorough-

ly scrubbed down with acid, sprayed with a garden hose, and all loose and faulty places chiseled out and pointed up with cement and iron. Then it is customary to apply two coats of straight iron, a third coat of iron and cement known as a slush coat, then two additional straight iron coats, finishing with a cement slush coat, furnishing the appearance of ordinary cement work.

These specifications vary, of course, to fit the specific case in hand. For instance, work above ground and not subject to water pressure requires fewer coats than a cellar wall or the wall of a reservoir. On brickwork or stonework below ground, a thin plaster coat is applied, whereas above ground this becomes unnecessary, the applications being made directly upon the masonry itself.

In this class of work the coats must be applied directly to the naked masonry. Such waterproofing is only effective when so applied. Applied to stucco or pebble dash work, hair or sun cracks are apt to develop in the surface, in which case, of course, the iron cracks with it, so it is absolutely essential that the coats be applied only to the naked masonry construction.

For walls above ground, this type of waterproofing is adopted to concrete, brick, stone, or concrete blocks. In all of this work the finished or completed surface has the appearance of cement, though for architectural reasons the finishing coat may be colored any color if sufficient care be taken in securing a uniform mixing of the coloring to secure a uniform color. Cement is far more certain as a finishing coat.

In a leaky basement, investigations almost invariably shows the water comes in between the wall and the floor. Due to the custom of laying the basement floor as an independent operation from the walls, there is of necessity a construction joint at this point. To seal this, a cove about 3 in. deep and 3 in. wide is chiseled out between the floor and the wall and pointed up in three operations with cement and Ironite, and then built up about 3 in. above the floor and bevelled off. Next the wall is treated as before stated by coating the same to a height of the grade outside. These two operation will usually seal an ordinary cellar, but very often when this is done the water rises through the floor itself. In this case the floor is eaten off with Muriatic acid, treated with about four coats of iron and a protecting coat of 1½ of cement finish laid on top of it, as Ironite, while a floor hardener in itself, will not form a permanent wearing sur-

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face where there is much abrasion. Careful investigation should be made as to the structural integrity of the floor before the waterproofing is applied as it has sometimes happened that when the walls have been completely sealed the upward water pressure has been sufficient to buckle the floor itself. On new floors it is customary to split the floor slab when applying this type of waterproofing. That is to say if the floor slab is 6 in. thick, 4½ in. of this will be laid and then the iron applied and the remaining 1½ in. of the floor put down. In this connection, it might be well to add that the iron coating forms an efficient and permanent bond in binding old concrete to new.

Some of the advantages claimed for this type of waterproofing as applied to concrete construction may be summarized briefly as follows:

1. This waterproofing is not applied until the concrete work is completed and has finished settling and shrinking.

2. It does not require the vigilance of inspection required to properly waterproof concrete by the admixture of ordinary integral waterproofing compounds. The leaks are visible and known before you commence to remedy them. Assuming a leak to be a disease, an integral waterproofing may be classed as a precaution against this disease, the type of waterproofing herein described as a cure.

3. It is not affected by hot steam and hot water pipes as is the case with bituminous waterproofing compounds.

4. It can be applied to the inside of the walls of a basement without requiring the digging up around the outside of the building.

5. It requires no protecting brick wall to prevent the external water pressure from pushing off the waterproofing. This material penetrates and forms an integral part of the wall itself and there is nothing to push off.

6. Waterproofing the inside of the wall, even though the wall itself be thoroughly saturated with water, protects the steel reinforcement in the wall from rusting out because of the well-known principal of steel corrosion, that latent or still water in concrete in combination with the lime in the cement, forms a coating on the steel reinforcement which permanently prevents the steel from corrosion. If the water flows freely through the wall, then there is no coating of the steel; the reverse happens and the steel corrodes.

7. Iron waterproofing having no sensible thickness within itself, offers clearances on old masonry work afforded by no other material. This is extremely im-

portant in pipe tunnels, subways, grain elevator pits, etc., where every fraction of an inch counts. Pipes ½ in. from the ceiling or wall can be worked around without removing them.

8. Aside from hydrochloric acid, this material will hold any liquid and is used extensively not only in waterproofing, but in oilproofing of concrete oil tanks, etc.

9. For concrete exterior walls above ground, where appearance is an important factor, three or four cement slush coats of iron give the wall a pleasing, smooth finish of uniform cement color, at the same time dampproofing the wall.

10. The cost of the material, it is claimed, compares favorably with any other waterproofing.

Like every other mechanical trade, about 90 per cent. of the trick is in knowing how to do the work. While this material has been generally used throughout the West and Middle West for about ten years, it has only recently come into use in the East. Among the many interesting examples of this work in this locality are the cafeteria on the roof of the S. B. & B. W. Fleischer Mill, Philadelphia, the exterior walls of the club rooms of the Hotel Traymore at Atlantic City, the U. S. War Risk Insurance Building, Washington, D. C., the U. S. Sub-Treasury Annex, Washington, D. C., the basements in the Yorkship Village, Camden, N. J.

This material has been used extensively in refrigerating plants, and among the examples of this class of work are the Bevo Plant in St. Louis, and the Anheuser-Busch Brewing Co.'s plant. For soap manufacturing plants, etc., the Lux plant in Boston is a good example of the waterproofing of concrete holding acids and fats.

\* \* \*

#### MODERN HIGHWAY BUILDING IN MINNESOTA.

By J. B. WOODBURY.

Two successful road plants, nearly identical, are being operated on different sections of the Jefferson Highway in Minnesota by the General Contracting Company of Minneapolis. One outfit is at work near St. Cloud and the other near the village of Osseo, about twenty miles from Minneapolis. The Jefferson Highway is the big North and South route which ultimately will connect Winnipeg and New Orleans. These two plants are so designed that as much of the work as possible is handled mechanically. All of the stone is handled by machinery and stone constitutes two-thirds of the material which makes up pavements.

The pavement is 15 ft. wide with a 5-in. base covered with a 2-in. surface of bitulithic type. The mix is 1:2:6 and at first the capacity of the plant was about 1,800 sq. yd., but changes in the specifications for the mix reduced the quantity to about 800 sq. yd. per day, which means about 500 lineal feet. Six miles have been built this year with the plant.

When first operated, the mechanical loader was not a part of the plant, but since its purchase four men have been eliminated and at present twenty men are all that are needed on the entire job. The plant consists of a self-feeding bucket loader, conveyor, a mixer and paver, and tamping and finishing machine. The twenty men are working as follows:

- 1 loader operator.
- 4 sand shovelers.
- 2 conveyor operators.
- 1 cement handler.
- 3 paver operators.
- 2 men on finishing machine.
- 3 men laying forms.
- 4 extras.

The total of twenty men does not, of course, include the men who operate the trucks which haul the material to the job.

The sand and stone are delivered in 5-ton trucks and dumped in windrows. The cement in sacks is piled at the side, to be used as needed. After a little experimenting a method was worked out so that this piling could be done in such a way that the subgrade could be kept clean as the work progressed and yet at the same time an adequate supply would be available. The working space is limited by the length of the conveyor, but is flexible enough to allow for slight errors in spacing the loads to be dumped in windrows by the trucks.

The loader picks the material off the subgrade by means of revolving discs and discharges it into measuring hoppers provided for the sand and stone. These are mounted on rollers which move along the frame of the conveyor, enabling the men to shovel the sand or load the stone at any point along the 40 feet of its length. The hoppers also are adjustable to provide for different mixes. When they are filled by the bucket loader and the men, they are tripped, the material falling on the belt of the conveyor, which carries it directly to the skip of the mixer.

The skip is lowered to receive the aggregate thrown into it by the conveyor belt and at the same time the cement is added from the sacks by hand. The conveyor then stops while the skip is raised to transfer the batch to the mixer. The



skip then is lowered again and the operation is repeated, the measuring hoppers having been refilled in the meantime. The tamping and finishing machine then completes the job.

It was found that it is possible to keep the paver working all the time, but the loader is not in continuous operation as it and the men shoveling sand work a little faster than the mixer.—*Successful Methods.*

\* \* \*

## WOODEN HOUSES IN NORWAY

The demand in England for wooden houses is attracting particular attention in Norway, says the Christiania correspondent of the *London Times* in a recent issue. The chief factory for the manufacture and export of ready-made houses is near Christiania, the house made being ordinarily of six rooms, but varying in size, style, conveniences, and therefore in price. All the woodwork is ready for reconstruction and many of the houses can be delivered f. o. b. Christiania in six weeks after the order is received.

The Norwegian correspondent says: "The wooden house is a dwelling suitable for all climes, but it is naturally important to study the climatic conditions in each particular case. It is generally admitted that wooden houses form very healthful dwellings and they are not affected by damp and chilly weather, like brick houses; they are also clean, free from dust, and airy. By certain adaptations they can be made to meet all contingencies of weather.

"As regard durability, wooden houses can fairly be said, after a century's experience in Norway, to last as long as brick, if kept properly in repair. The apprehension commonly prevailing that wooden houses are dangerous from the point of view of fire is unfounded, as the ceilings, panelling, stairs, doors and windows are the same as in brick houses, and consequently the risk of fire is practically the same.

"The wooden house industry in Norway after 35 years' experience has now developed to great perfection, and the wooden dwelling offers a satisfactory solution of the housing problem."

\* \* \*

## DEFINING COST

The following are five broad definitions of cost terms:

Cost of production includes money outlays, debits incurred, proprietary losses of normal income and compensation for risks involved in production.

Cost may be divided into two classes of business debits:

1. Debits of the business to others than the proprietor.

2. Debits of the business to the proprietor.

In well-kept ledgers all the first-named class of costs will be found, either as property costs or as operating expenses, but it frequently happens that not all—and sometimes not any—of the second class of costs is entered in the ledgers.

Costs of production may be divided into two parts:

1. Direct costs.

2. Indirect costs.

Direct costs are those directly assignable to a group of similar units of product without pro-rating.

Indirect costs are costs that cannot be directly assigned to a group of similar units, but must be pro-rated among different groups of units.

Unit cost is the cost per unit of product, and is determined by dividing the total cost assigned to a group of units of product by the total number of units.

A unit cost includes all the direct costs and it may include all or nearly all the indirect costs, depending upon the method of accounting or cost analysis.

In appraisal work, as well as in estimating the cost of projected work, it is customary for engineers to use unit costs that include only part of the indirect cost, the remainder of the indirect cost being called "overhead cost."

Overhead cost is that part of the indirect cost not included in the unit costs.

No hard and fast line can be drawn between unit cost and overhead cost. It is entirely a matter of more or less arbitrary definition. If a company does its construction work by contract, the contractor's *unit prices* are the company's unit costs; but the contractor's unit prices include all of *his* overhead costs. Hence, if a company does its construction with its own forces, its overhead costs will ordinarily be greater than if it does its work by contract, due to the differences in accounting.—"Successful Methods."

The other day a prominent local architect called up to inquire regarding a concern that has not advertised with us for two years. "I saw their ad. some years ago in the Guide," said the architect, "and am unable to recall just where they are located." We gave him the address and learned subsequently that as a result the firm bagged a big order. How many similar orders, from architects who wouldn't take the trouble to look them up, that same concern has missed in the course of the past two years it would interest us to know.

All live men are advertisers, and the only man who should not advertise is the man who has nothing to offer to the world in the way of human service, and such a man is a dead one, whether he knows it or not. Advertising is a legitimate and ethical proposition. Life is too short for you to hide yourself away, mantled in your modesty, and let the world hunt you out. Even the dead are advertisers, for on visiting a beautiful cemetery the other day, I noticed that on nearly every marble slab was given a list of the virtues, talents and beautiful qualities which the dead man was supposed to have carried in stock. This is what you call non-productive advertising, or advertising from an emotional standpoint.—Elbert Hubbard.

People who want to buy things do not catch the seller, chloroform him and cram the orders into his pocket.

Advertising is the proper education of the public as to where the thing can be found, and therefore it is a necessity.

We are parts and particles of each other, but a little of the kindly glue of human brotherhood is needed to fasten us together. The policeman who keeps the crossing clear, and at the same time informs us as to the location of the post office and the First National Bank, no doubt is, in one sense, an economic waste. On the other hand, he is an economic necessity. He is a necessary middleman.

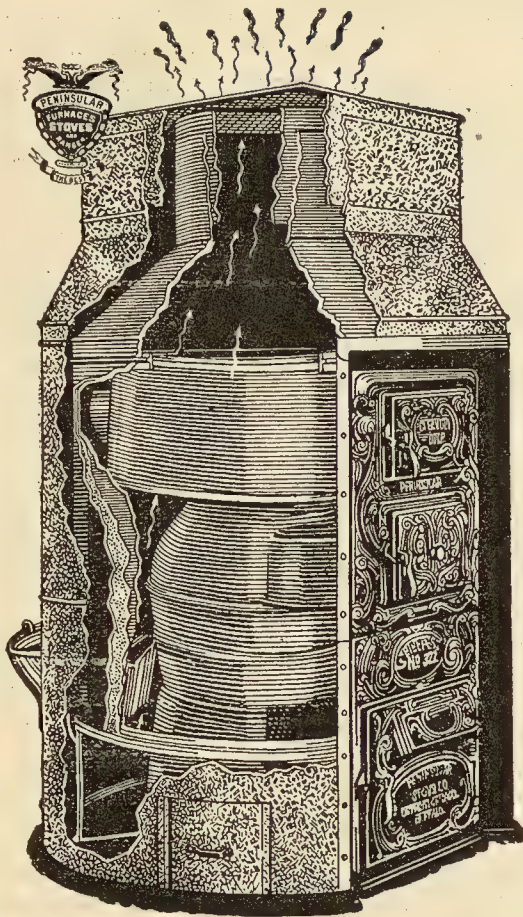
He relieves the congestion of traffic and granting the hypothesis that he does not misdirect us as to the location of the post office, he speeds us on our way.

There is not a business one can think of, which is not full of little temples where one can curse or pray. Every business that one knows has its host of light in it, fighting against its host of darkness; one set of men conducting the business as if they and the public were engaged in a sort of mutual enthusiasm and daily service, with permanent success as the goal; and another set of men whose success is ruining the business to which they belong, and the public besides—and themselves.

The valuable man in any business is the man who can and will co-operate with other men. The foreman who opposes the introduction of a new man into an institution and fights every innovation which he himself does not suggest, is doomed to a gradual and creeping defeat. Men succeed only as they utilize the services and ideas of other men. Co-operate!

Repetition tends to create habit, the more often we see, do or hear a thing, the quicker we are likely to be influenced by it. The consecutive appeal of a number of advertisements will develop certain memories and associations tending to overcome the natural habit of procrastination.—Making advertising pay.





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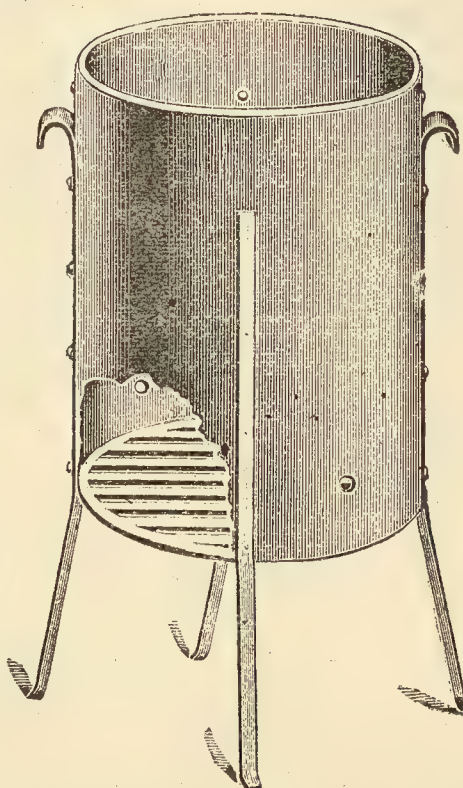
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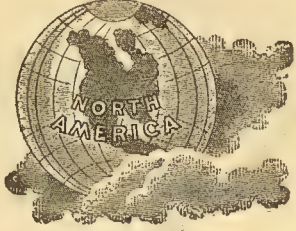
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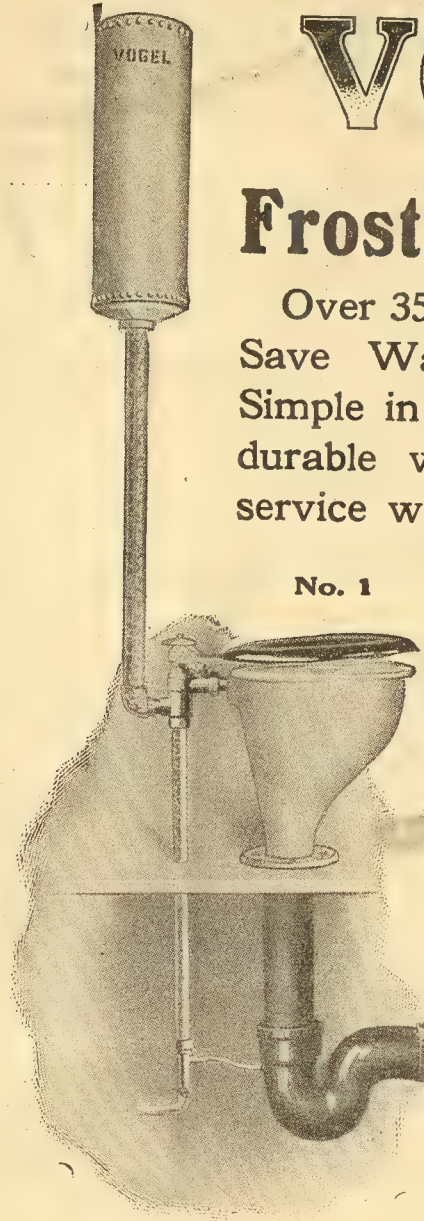
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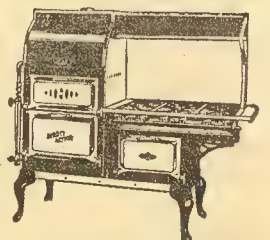
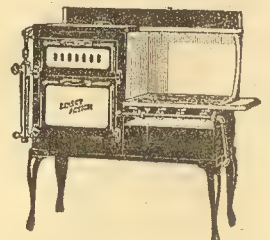
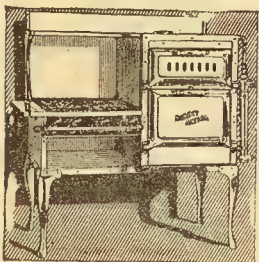
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Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XXXIV, No. 53  
December 31, 1919

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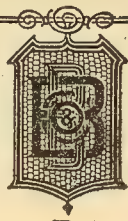
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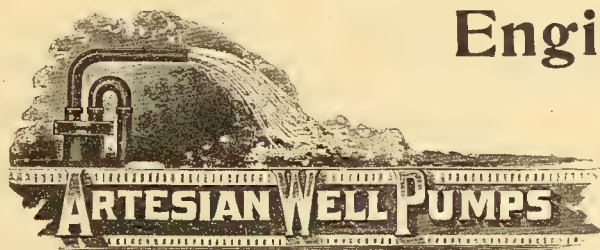
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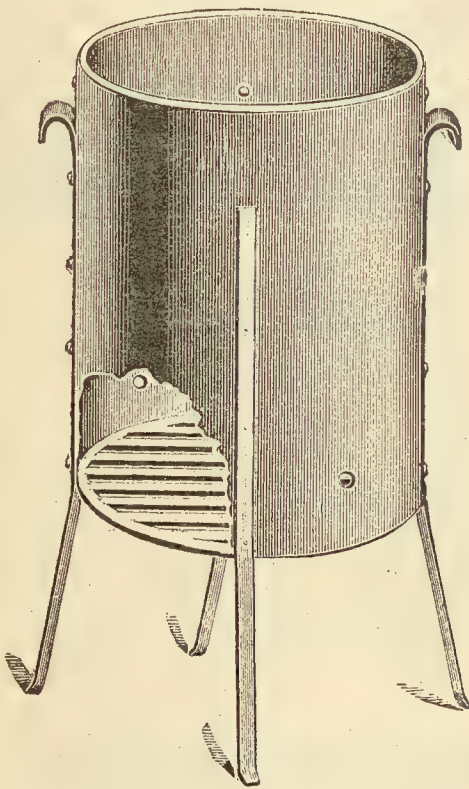


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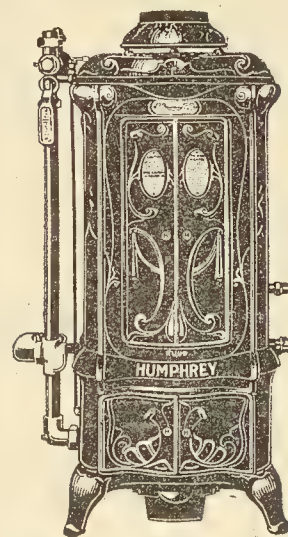
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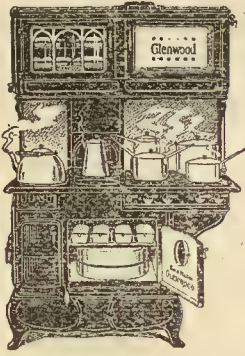
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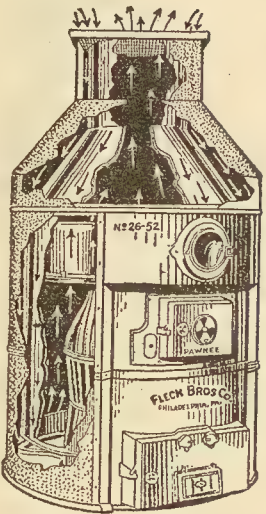


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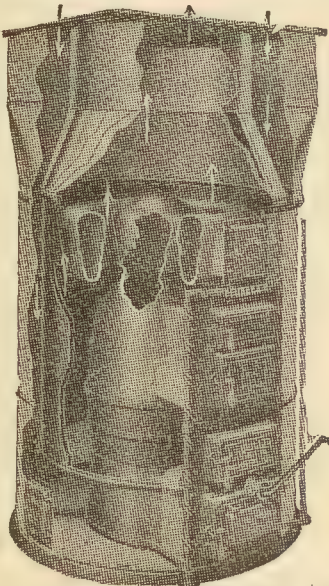
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VOLUME XXXIV  
Number 53

PHILADELPHIA  
December 31, 1919

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Sixteenth and Chestnut Sts., Philadelphia, Pa.

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## As The Editor Sees It



THE publishing of this issue closes the most successful year in the history of the GUIDE, as is the case with all concerns interested in architecture and building. Nineteen nineteen has gone far beyond other years in volume and in success for the Building Trades. True there have been disorders and high prices, but a more flourishing condition has not existed for many years. Those whom we are serving have, by their recognition of our efforts in the BUILDERS' GUIDE and the *Daily Building News*, brought good cheer to us; and during this happy season of good fellowship, when inspirations of human affection abound on all sides, we cannot refrain from giving voice to our gratitude toward those who have contributed their generous support to making our service a success. Nineteen twenty opens with most brilliant prospects for the building industry. The great shortage of all kinds of buildings forecasts an immense volume of work to be designed and constructed with dispatch, and the good cheer that permeates the air everywhere in these joyous days should be continued throughout the entire year.

There is just as much good cheer in the lives of all of us as we ourselves produce. Good cheer, like quality in an article of merchandise, cannot be simply hoped or argued into existence. It must be created and put there. The spirit of good fellowship is in the heart of all of

us. Some people show it now and then. Others show good fellowship every day of the year.

The roses, sunbeams, pleasures, friendships that are created in spirit by our own mental attitude—and by our actions in associating with our fellow men—help to make life truly worth living.

The holiday season sets an example of the good cheer spirit. It shows people what a happy world they can make it—if they all get together and really try. Smiles make smiles. Laughter makes laughter. Kind words start the ball rolling with more kind words. A snappy, jovial, whole-hearted greeting is contagious. Most of the problems in life could be solved if we all tried to treat the other fellow as we would have him treat us. Our measure of happiness is governed by the amount of happiness we give to others. Kindness is a greater power in leadership of men than harshness. Christmas gives us all a taste of the happiness that is possible always—if we feel and do all the time as we feel and do at this season of the year.

The spirit which pervades our souls at this season is typified by service—service to mankind which does not deem the gain to self of paramount importance. Never has the world so stood in need of unselfishness and conscientious service as it does today, and this want can best be filled by carrying the holiday spirit—

which, after all, is the Christ spirit, with us through the year.

Why not a spirit of co-operation all the year around?

As we all know too well there is something lacking in the feeling existing between architects and the building trades—something that does not savor of co-operative spirit. Architects too often display a feeling of superiority by refusing to see contractors, sub-contractors and material men and, at times, possibly inadvertently, arouse a spirit of resentment.

Everyone has his sphere of usefulness which he can dignify by conscientious service, and in so doing each merits the recognition and respect of his fellow men.

No greater sphere of usefulness exists today than that occupied by those on whom rests the task of reconstructing the world. Building is no longer merely the putting together of structures; it embraces a much greater field and concerns itself with city planning and zoning; community life; the establishment of real homes. Never have greater opportunities obtained for the realization of high ideals in construction work of all kinds. Of course, there are obstacles to be surmounted; the path in many places is untried, and only by honest effort and a spirit of co-operation can the highest ideals for humanity be realized.

Would not closer contact between all the organizations and agencies entering

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into the planning and constructig of buildigs promote greater opportunity for the realization of efficient service in the great building projects which are upon us?

At this time is it not ripe to suggest that the members of the architectural profession and the Builders' Exchanges embracing all branches of the building trades develop closer affiliations?

Why not frequent meetings at the Exchange Buildings, luncheons with appropriate talks and then open meetings, or dinners followed by discussions of vital questions arising from time to time? At least something more than has been customary should be inaugurated with the idea of fostering better acquaintanceship and closer appreciation of the problems that daily confront those in the architectural and building fields.

Let us incorporate the spirit of co-operation and service into our work and nineteen hundred and twenty will indeed be a happy and prosperous year.

\* \* \*

#### ESTIMATING BRICK WORK.

By I. P. HICKS.

Brick, as made by different manufacturers, vary in size, and, of course, there is sure to be more or less variations in the actual quantities required for certain jobs; the variations depending upon the size of the brick and the size of the mortar joints made in laying the brick. For the purpose of estimating we will assume as near as we can the average size of brick as we find them on the market. For the common brick we will assume it to measure  $8\frac{1}{4} \times 4 \times 2\frac{1}{2}$  inches and that the wall is to be laid up with a  $\frac{3}{8}$ -inch mortar joint.

For this kind of a wall figure 6 brick to each square foot of wall for every 4-inch thickness of wall. Thus, for a wall 4 inches thick, figure 6 brick per square foot; for an 8-inch to 9-inch wall, figure 12 brick per square foot; for a 12 to 13-inch wall, figure 18 brick per square foot; for a 16 to 17-inch wall, figure 24 brick per square foot and so on, adding 6 brick for each 4-inch thickness of wall.

To be very accurate in the number of brick required, deduct the brick required for all openings. In small foundation work, where there are only a few small cellar window openings, it is hardly worth while to deduct the openings, but for the main windows and doors in a brick building, it becomes necessary to deduct the brick for the openings, otherwise the result would be far too many brick.

#### BRICK FOOTINGS.

Brick footings, based on steps or off-sets of 2 inches, may be estimated by

the lineal foot, as follows: For a 9-inch wall, 2-course footing,  $10\frac{1}{2}$  brick; 13-inch wall, 3-course footing,  $22\frac{1}{2}$  brick; 18-inch wall, 4-course footing, 39 brick; 22-inch wall, 5-course footing, 60 brick; 26-inch wall, 6-course footing,  $85\frac{1}{2}$  brick.

#### PRESS BRICK.

For a standard size of press brick we will assume the following dimensions:  $8\frac{1}{4} \times 4 \times 2\frac{1}{4}$  inches, and the mortar joint to be  $\frac{1}{4}$  inch. This will require 7 brick per square foot for every 4-inch thickness of wall.

#### MORTAR FOR BRICKWORK.

##### LUMP LIME MORTAR.

The quantity of material required to lay 1,000 brick with a  $\frac{3}{8}$ -inch joint, using 1 to 2 lime mortar, composed of 1 part lime putty to 2 parts sand, will be  $1\frac{3}{4}$  barrels of lump lime and  $\frac{5}{8}$ -cubic yard of sand.

##### HYDRATED LIME MORTAR.

For mortar composed of 1 part hydrated lime and 2 parts sand, figure  $6\frac{1}{2}$  50-pound sacks of hydrated lime and  $\frac{5}{8}$ -cubic yard sand per 1,000 brick.

##### CEMENT MORTAR.

For 1 to 3 cement mortar composed of 1 part Portland cement and 3 parts sand, figure 5 sacks of cement and  $\frac{5}{8}$ -cubic yard of sand per 1,000 brick, with a  $\frac{3}{8}$ -inch mortar joint. Approximately  $21\frac{1}{2}$  bags of cement and 1-3 of a cubic yard of sand will be required if laid with about a  $\frac{1}{4}$ -inch joint.

##### CEMENT AND LIME MORTAR.

Figure 1 sack of Portland cement,  $\frac{3}{4}$ -barrel of lump lime and  $\frac{5}{8}$ -cubic yard of sand per 1,000 brick laid in the wall with a  $\frac{3}{8}$ -inch mortar joint.

#### ESTIMATING BRICK FOR CHIMNEYS.

SIZES GIVEN ARE INSIDE OF FLUE MEASURE.

8x8 flue, 24 brick per lineal foot.  
8x12 flue, 28 brick per lineal foot.  
12x12 flue, 32 brick per lineal foot.  
12x16 flue, 36 brick per lineal foot.  
16x16 flue, 40 brick per lineal foot.  
8x8 double flue, 40 brick per lineal foot.  
8x8 and 8x12, two flues, 44 brick per lineal foot.  
8x12 double flue, 48 brick per lineal foot.  
8x12 and 12x12, two flues, 52 to 56 brick per lineal foot.

Chimney breasts for fireplaces and mantels require 90 to 110 bricks per lineal foot the height of the chimney breast. Where the chimney is reduced in size above the breast, figure accord-

ing to the size and number of flues from there to the top as given above. These figures should enable one to arrive at a very close figure as regards the number of brick required. In the above figures no allowance has been made for any waste in brick and it would be proper to allow a small percentage for broken and wasted brick. If the brick are of good quality, 3 to 5 per cent. ought to cover all the waste in handling and laying.

#### LABOR COST OF LAYING BRICK.

The labor cost of laying brick varies according to the wall, the bond and the kind of mortar joint made. Common brick laid with common bond and plain cut joints: a bricklayer, with one tender, should lay 1,100 brick per 8-hour day, using cement mortar, and 1,350, using lime mortar.

For walls laid in common bond with struck joint one side and plain cut joint on the other side, figure 1,000 brick per 8-hour day, using cement mortar, and 1,200, using lime mortar.

For face walls laid up with selected common brick in common bond and struck joints, figure 950 brick per 8-hour day, using cement mortar, and 1,000 for lime mortar.

For face walls laid with selected common brick in common bond with v-shaped mortar joints, or with joints raked out, figure per 8-hour day, 900 brick, using cement mortar, and 950, using lime mortar.

Face walls laid up with press brick or face brick where there are panels and pilasters, figure 350 to 400 brick per 8-hour day.

For plain walls laid up with press or face brick, figure 700 to 800 brick per 8-hour day.

Figure laborer's time same as bricklayer's time where there is but one bricklayer working; if two bricklayers are working, figure  $\frac{1}{2}$  hour laborer's time to 1 hour of bricklayer's time.

—National Builder.

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# Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; COST LIMIT; LAST DAYS FOR FILING BIDS; FIRMS FIGURING; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

## Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

**Auto Service Station**, Northeast Corner Market and Powelton avenue, \$2,500. Architect, private plans. Owners, Crew Levick Co., 111 North Broad street, Philadelphia. Iron on iron, 1 story, 14x28 feet, cement floor. Owner will build.

**Queen Lane Filter Plant Modification**, Queen Lane, Philadelphia. Contract No. 375. Architect, private plans. Owner, City of Philadelphia, Department of Public Works, Bureau of Water, City Hall, Philadelphia. Concrete work, brick work, iron work, steel and lumber. Owners have received bids.

**Residence (alts. and add.)**, 2309 North Park avenue, Philadelphia. Architect, Andrew J. Sauer & Co., Denckla Building, Philadelphia. Owner, Clarence L. Meyers, Drexel Building, Philadelphia. Architect taking bids due January 3rd at 10 A. M. Stewart Bros., 2526 North Orkney street; Frank K. Stahl, 2713 North Park avenue; Conneen Const. Co., 10 South Eighteenth street, and Lam Building Co., 1001 Wood street, are figuring.

**Work Shop**, Willard street, east of Emerald street, \$8,000. Architect, Herman H. Kline, 1612 South Fourth street, Philadelphia. Owner, John M. Kennedy, Jr., 1001 Chestnut street, Philadelphia. Brick, 2 stories, 44x69 feet, slag roof, cement floors, electric lighting. Owner will build.

**Residences (15)**, Duncannon street, Mervine and Eleventh streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, J. Henry Parker, care of architect. Brick and store, 2 and 3 stories, 16x44 feet, slate roof, tile roof, hardwood floors, stone foundations, hot water heating, electric lighting, tile and marble work, garages in basements. Plans in progress. Owner will be ready for sub-bids in one week.

**Porch Enclosure**, 1411 Erie avenue, Philadelphia. Architect, George S. Idell, 1705 Chestnut street, Philadelphia. Owner, Dr. M. F. Herman, on premises. Millwork, glazing, carpentry. Architect taking bid from Thos. C. Trafford, 1613 Sansom street.

### ESTIMATOR.

Young man with twelve years' experience taking off work and calling on the architects and builders of the city and State is desirous of securing a position with a material man. Address "Estimator," care of Builders' Guide.

To be poor in a wealthy country, to be sick in a good climate, to be inefficient among a progressive people, is a sign of unwise educational methods. Such people were not taught to battle with the world or meet life's emergencies.—Thoreau.

**Barn (alts. to Residence)**, Southeast Corner York road and Summerville avenue, \$10,000. Architect, private plans. Owner, A. C. Garrett, York road and Fisher's Lane. Brick, 2-story add. 20½x11 feet and 10½x6 feet, general interior and exterior renovation. Contract awarded to William J. Gruhler & Co., 219 High street, Germantown.

**Store and Storage Building (alts.)**, 810 Arch street, Philadelphia, \$6,000. Architect, private plans. Owner, Joseph H. Koplin, 829 Arch street, Philadelphia. General alterations. Contract awarded to Albert Lashner, 1811 South Sixth street, Philadelphia.

**Dwelling (alts.)**, 1415 Spruce street, Philadelphia, \$3,600. Architect, private plans. Owner, Girard Trust Co., Trustee, Stephen Girard Building, Philadelphia. Underpinning foundations. Contract awarded to Keystone State Const. Co., Franklin Bank Building.

**Stack**, Kensington avenue, South of "O" street, \$2,950. Architect, private plans. Owners, Rockland Hosiery Mills, Kensington and Allegheny avenues. Brick, 103 feet high. Contract awarded to American Chimney Corp., 218 South Twelfth street, Philadelphia.

**Bungalow**, West side Ridge avenue, South of City Line, \$1,700. Architect, Amos W. Barnes, 1507 Arch street, Philadelphia. Owner, Dr. B. R. Peltz, Roxborough, Philadelphia. Frame, 1 story, 16x26 feet, shingle roof, hot water heat, electric light, oak floors. Contract awarded to A. Bartholomew, Conshohocken, Pa.

**Warehouse (alts.)**, 150-52-54-56 North Front street, Philadelphia, \$4,900. Architect, private plans. Owner, Penna. Co., 517 Chestnut street, Philadelphia. New front, side walls, joists, girders, pine floors, stone work. Contract awarded to Frank E. Wallace, 1220 Chancellor street, Philadelphia.

**Residence and Store (alts.)**, 2553 South Seventh street, Philadelphia, \$2,300. Architect, private plans. Owner, N. Potamkin, 1125 South Sixty-first street, Philadelphia. Flush bulks. Contract awarded to B. Sheslack & Co., Fifty-second and Reed streets, Philadelphia.

**Store oLft (alts.)**, 1023 Market street, Philadelphia, \$10,000. Architect, private plans. Owner, Hare Est., Commercial Trust Building, Philadelphia. Elevator shaft. Contract awarded to H. E. Baton, 1713 Sansom street, Philadelphia.

**Residence (alts. and add.)**, Magnolia avenue and Church Lane. Architects, Savery & Scheetz, Stephen Girard Building, Philadel-

phia. Owner, Charles Peberdy, on premises. Brick and stone, 2½ stories, 15x34 feet, slate roof, parquetry and pine floors, tile and marble work, stone foundations, metal lath, iron work. Contract awarded to Charles S. Johnson, 712 East Cheltenham avenue, Philadelphia.

**Bank (alts.)**, 517 Chestnut street, Philadelphia, \$25,000. Architect, private plans. Owner, Penna. Co. for Insurance on Lives and Granting Annuities, 517 Chestnut street, Philadelphia. General alterations. Contract awarded to John Duncan, 920 Walnut street, Philadelphia.

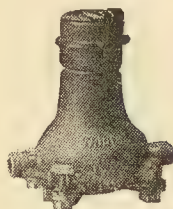
**Store and Tenement**, Southeast Corner Parkside and Belmont avenues, \$20,000. Architect, I. W. Levin, 536 Ritner street, Philadelphia. Owner, Abe Koch, 525 Porter street, Philadelphia. Brick, 3 stories, 51x55 feet, slag roof, hot water heating, electric lighting, tile work. Contract awarded to Harry Hartmann, 2119 South Fourth street, Philadelphia.

**Building (alts.)**, 811-21 Cherry street, Philadelphia, \$5,100. Architect, Jesse T. Hoekstra, Presser Building, Philadelphia. Owner, Wm. Lipkin, on premises. Brick work, steel and iron work, carpentry, millwork, painting, glazing, tile work, metal lath, plastering (elevator, electric lighting and heating reserved). Contract awarded to John M. Yardley, 1716 Sansom street.

**Factory**, Bread and New streets, Philadelphia, \$275,000. Architect, private plans. Owners, H. O. Wilbur & Son, 235 North Third street, Philadelphia. Brick and concrete, 7 stories, 82x98 feet, slag roof, reinforced concrete, tile and wood floors, rolled steel sash and skylights, elevators, tin covered doors. Contract awarded to Turner Const. Co., 1713 Sansom street, Philadelphia.

**Power House (add.)**, Lena street, south of Armat street, \$25,000. Architect, private plans. Owners, Continental Mills Co., on premises. Brick and concrete. Contract awarded to Walter Dalton, 1215 Filbert street, Philadelphia.

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## PENNSYLVANIA Construction News

**High School and Field House**, Elkins Park, Pa. Architect, Herbert C. Wise, 925 Chestnut street, Philadelphia. Owner, School Board of Cheltenham Township, care of J. H. Ervien, Ogontz, Pa. Steel, stone, plaster and brick, 3 and 1½ stories, 255x94 feet and 53x26 feet, slag and shingle roof, cement, maple and terrazzo floors, metal lath, elevators, safety treads, metal ceilings, waterproofing, fire escapes, iron stairs, hollow metal skylights, tile and marble work, stone foundations (heating, electric lighting and plumbing reserved). Architect taking bids due January 8th.

**Garage and Barn**, Secane, Pa. Architect, H. Rex Stackhouse, 129 South Fifth street, Philadelphia. Owner, Charles Delahanty, Secane, Pa. Stone and timber, shingle roof, concrete floors, plumbing, electric lighting. Architect taking bids due January 5th. Delaware County Const. Co., Clifton Heights, Pa., is figuring.

**Factory (add.)**, Lancaster, Pa., \$30,000. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owner, Novelty Works, Hubly Mfg. Co., Lancaster, Pa. Mill construction, 3½ stories, 85x61 feet, slag roof, plank floors, electric light, rolled steel sash, fire doors, elevators, fireproof vault. Plans in progress. Architect ready for bids.

**Storage Warehouse**, North Queen street, Lancaster, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owner, John Stauffer, North Queen street, Lancaster, Pa. Brick and frame, 1 story, 65x215 feet, stone foundations, slag roof, concrete floors, electric lighting. Owner will take sub-bids.

**Residence**, Lansdowne, Pa. Architect, private plans. Owner, name withheld. Stone and stucco, 2½ stories, 39x40 feet, slate roof, parquet and pine floors, hot water heating, electric lighting, tile work, stone foundations, iron work. Bowden Const. Co., Presser Building, is taking sub-bids due January 3rd.

**Store Front (alts.)**, North Queen street, Lancaster, Pa. Architect, M. R. Evans, 10½ East Orange street, Lancaster, Pa. Owner, Lancaster Chocolate Specialty Co., Lancaster, Pa. General alterations, tile work, plate glass, painting. Plans in progress. Architect ready for bids.

**Residence (alt. and add.)**, 643 North Chestnut street, Lancaster, Pa. Architect, H. Y. Shaub, Imperial Building, Lancaster, Pa. Own-

er, Harry Raib, 112 East King street, Lancaster, Pa. Brick, 2 stories, 9x33 feet, tin roof, maple floors, tile work, plumbing. Plans in progress.

**Garage**, Seventh and Parker streets, Chester, Pa. Architect, W. Frisby Smith, Broad and Arch streets, Philadelphia. Owner, Wesley F. Gray, Chester, Pa. Brick, 2 stories, 45x117 feet, slag roof, cement and yellow pine floors, stone foundations, steam heat, electric lighting, iron work. Architect taking bids. John R. Wiggins, Otis Building, is figuring.

**Bungalow**, McClelland Heights, York, Pa. Architects, Gimmel & Billmeyer, Rossmiller Building, York, Pa. Owner, William Plut, Jackson street, York, Pa. Stucco, 1½ stories, 26x30 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

**Residences (4)**, Wynnefield, Pa. Architect, H. Rex Stackhouse, Drexel Building, Philadelphia. Owner, name withheld. Stone (3) hollow tile and stucco, (1) slate roof, oak floors, hot water heating, electric lighting, tile work. Plans in progress.

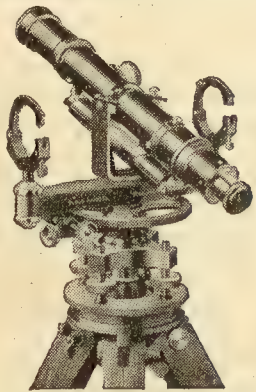
**Residences (4)**, Narberth, Pa. Architects, Gugert, Boyd & Abel, Otis Building, Philadelphia. Owner, A. C. Shand, Jr., Commercial Trust Building, Philadelphia. Hollow tile and plaster, 2½ stories, 26x34 feet, slate roof, oak floors, stone foundations, hot water heating, electric lighting, tile work. Owner will be ready for sub-bids in a few days.

**Residence (fire repairs)**, Primos, Pa. Architect, private plans. Owner, Mrs. Charles Delaney, 1231 North Broad street, Philadelphia. Shingle roof, pine floors, mill work, carpentry, stone work. Owner has received bids.

**Warehouse, Garage and Office**, Ardmore, Pa. Architect, private plans. Owners, Sun Company, Finance Building, Philadelphia. Brick and terra cotta, 1 story, 32x107 feet, slag roof, concrete floors, metal lath, stone foundations, electric lighting, iron work. Owners taking bids, due January 2nd. Barclay White & Co., 1713 Sansom street, are figuring.

**Bridge**, Bingaman street, Reading, Pa. Architect, private plans. Owners, City of Reading and County of eBrks, Reading, Pa. Reinforced concrete and steel, 1360 feet long, 60 feet wide, 16 spans. Lowest bidders: Whitaker & Diehl, Wilkes-Barre, Pa., \$699,860.

**Residences (20)**, Rosemont, Pa. Architect, R. Brognard Okie, Crozer Building, Philadelphia. Owner's name withheld. Hollow tile and plaster, 2½ stories, shingle roof, 28x28 feet, pine floors, stone foundations. Architect



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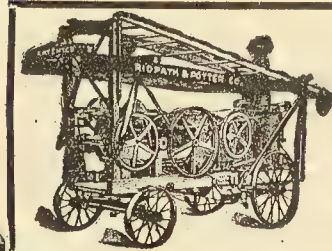
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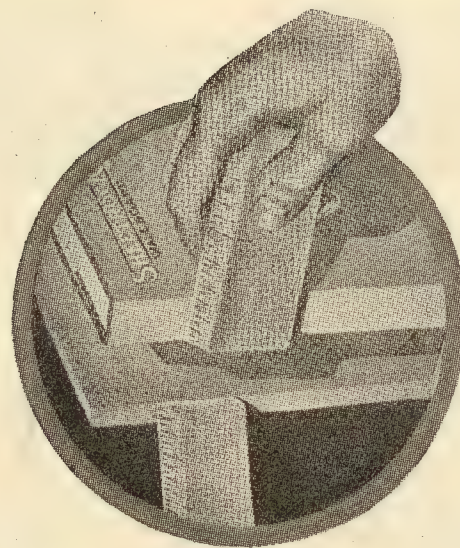
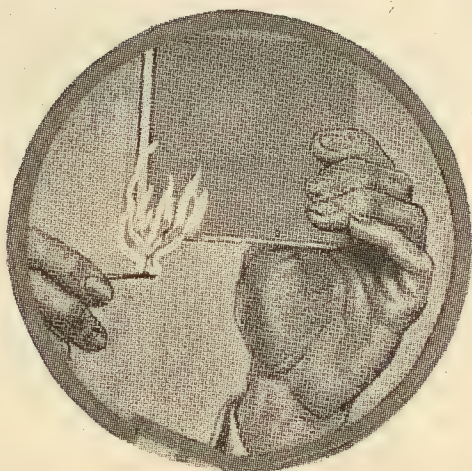
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taking bids. Wm. R. Dougherty, 1610 Sansom street, is figuring.

**Bank Building**, State and South avenue, Media, Pa., \$100,000. Architects, Thomas Bruce Boyd, Inc., 286 Fifth avenue, New York City. Owners, Media Title and Trust Co., care of W. L. Rhodes, president, Media, Pa. Brick and limestone, 32 feet high, 40x85 feet, slag roof, marble floors, stone foundations, steam heating, electric lighting, tile and marble work, bronze work, concrete vault, fireproof construction. Plans in progress. Architects will take bids about February 1st.

### Pennsylvania

#### Contracts Awarded

**Cow Barn** (alts. and add.), Chestnut Hill, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, George D. Widener, Chestnut Hill, Pa. Frame, 1 story, 18x60 feet, shingle roof, cement and clay floors, mill work, hardware, painting, glazing, plumbing, stone foundations. Contract awarded to Specht & Sperry, Heed Building, Philadelphia.

#### Proposals

##### INVITATION FOR PROPOSALS

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., December 11, 1919. Sealed Proposals will be opened in this office at 3 P. M. January 8, 1920, for changes, etc., the United States post office at Springfield, Ohio. Drawings and specifications may be obtained from the custodian of

the building, Springfield, Ohio, or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., December 10, 1919. Sealed Proposals will be received at this office until 3 P. M., January 5, 1920, and then opened, for remodeling the United States post office, Fitchburg, Mass., in accordance with the specifications and drawings mentioned therein, copies of which may be had at this office or at the office of the custodian, in the discretion of the

Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

**TREASURY DEPARTMENT**, Supervising Architect's Office, Washington, D. C., Dec. 15, 1919. Sealed Proposals will be opened in this office at 3 P. M., January 8, 1920, for remodeling the United States Post Office building at McKeesport, Pa. Drawings and specifications may be obtained from the Custodian of the building at McKeesport, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

### NEW JERSEY

## Construction News

**Main Building and Power House**, Belleville, N. J. Architects, Wm. Steele & Sons Co., Sixteenth and Arch streets, Philadelphia. Owners, Morice Twine Mills, Belleville, N. J. Brick, concrete and steel, 1 story, 241x122 feet, wing 56x93 feet, slag roof, maple and concrete floors, metal lath, safety treads, stone foundations, rolled steel sash and skylights, hollow metal doors, iron work (heating and electric work reserved). Engineers taking sub-bids, due January 3rd.

**Club House**, Broadway and Royden street, Camden, N. J., \$140,000. Architect, W. W. Sharpley, 1713 Sansom street, Philadelphia. Owner, Ottawa Tribe of Red Men of New Jersey, Camden, N. J. Plaster, terra cotta and granite, 2 stories, 40x145 feet, slag roof, maple floors, hollow tile, metal lath, stone

foundations, electric lighting, marble and terrazzo work, iron work (heating reserved). Contract awarded to Wills-Ludwick Co., 1708 Sansom street, Philadelphia.

**Parochial School**, Atlantic and Massachusetts avenues, Atlantic City, N. J., \$138,000. Architect, H. D. Dagit, 4527 Pine street, Philadelphia. Owners, Holy Spirit R. C. Church, care of Rev. W. F. Dittrich, on premises. Brick and terra cotta, 2 stories, 83x139 feet, slag roof, maple floors, electric lighting, stone foundations, marble work, roof ventilators, kalamein doors, iron work, waterproofing. Contract awarded to M. Melody & Son, 1322 Race street, Philadelphia.

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## DELAWARE

### Construction News

**Residence (alt. and add.) and Garage**, Eleventh and Broome streets, Wilmington, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, C. A. Patterson, 1007 Broome street, Wilmington, Del. Stone, 2 and 2 stories, 24x30 feet, irregular size, shingle roof, pine and concrete floors, electric light, heating extension, interior and exterior alterations. Architect has received bids.

**Factory (add.)**, Twelfth and Madison streets, Wilmington, Del., \$8,000. Architect, private plans. Owner, Unger Storage Battery Co., Twelfth and Madison streets, Wilmington. Brick, 2 stories, concrete foundations, slag roof, wood floors. Owner will build.

**Warehouse**, Second and Greenhill streets, Wilmington, Del. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Wilmington Leather Co., on premises. Reinforced concrete, 2 stories, 60x150 feet, con-

crete foundations, composition roof, concrete floors, steam heat, electric light, rolled steel sash, fire doors, elevators. Plans in progress.

**Office Building**, Second and Greenhill streets, Wilmington, Del. Architect, J. J. Kennedy, Ford Building, Wilmington, Del. Owner, Wilmington Leather Co., on premises. Brick, slow burning, 2 stories, 30x60 feet, concrete foundations, slate roof, maple floors, steam heat, electric light, tile work. Plans in progress.

**Dye House and Service Garage**, Market and Brandywine sts., Wilmington, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, Sayer Bros., Eighteenth and Market streets, Wilmington, Del. Brick, concrete and steel, 3 stories, 48x175 feet, concrete foundations, slag roof, concrete floors, high pressure steam heat, electric light, hollow metal sash, fire doors, roof ventilators, gasoline storage system. Owner will take bids.

Concrete Steel Co., Baltimore, Md.

**Store (alts.)**, 6 West-Third street, Wilmington, Del., \$3,000. Architect, private plans. Owner, W. Drucker, on premises. Brick, interior alterations, slate roof. Contract awarded to Tony W. Waller, 256 Lombard street, Wilmington.

**Garages (2)**, 2701-3 North Harrison street, Wilmington. Architect, private plans. Owner, C. W. Griffith, 2700 Harrison street, Wilmington, Del. Brick, 1 story, 18x22 feet, slate roof, concrete floors, hot water heat, electric light. Contract awarded to G. W. Randman, Wilmington, Del.

**Residences (2)**, 2701-3 West Harrison street, Wilmington, \$16,000. Architect, private plans. Owner, C. W. Griffith, 2700 Harrison street, Wilmington, Del. Brick, 3 stories, 22x31 feet, concrete foundations, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to G. W. Randman, Wilmington, Del.

### Miscellaneous Construction News

**Synagogue**, Baltimore, Md., \$100,000. Architect, Louis Levi, Real Estate Trust Building, Philadelphia. Owner, Har Zion Congregation, Baltimore, Md. Stone, 55x159 feet, slag roof, stone foundations, steam heating, electric lighting, tile and marble work, stained glass, mill work. Plans in progress.

**School**, Roanoke, Va., \$350,000. Architect, H. Courcy Richards, 1713 Sansom street, Philadelphia. Owner, Board of Education, Roanoke, Va. Brick and stone, 2 or 3 stories. Plans in progress. Too early for details.

**Pattern Shop**, Spec. 4041, Navy Yard, Nor-

## DELAWARE

### Contracts Awarded

**Factory**, Twenty-sixth and Market streets, Wilmington, Del., \$64,000. Architect, Wagner Machine Co., Buffalo, N. Y. Owner, Sharpless-Hendler Ice Cream Co., Wilmington,

Del. Reinforced concrete, 3 stories, 112x63 feet, slag roof, wood and concrete floors, steam heat, electric light, rolled steel sash, elevators. Contract awarded to Standard

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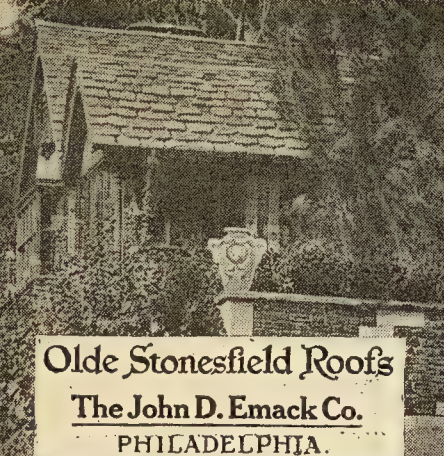
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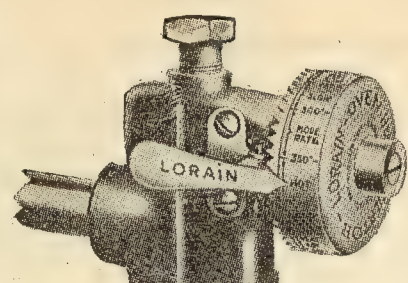






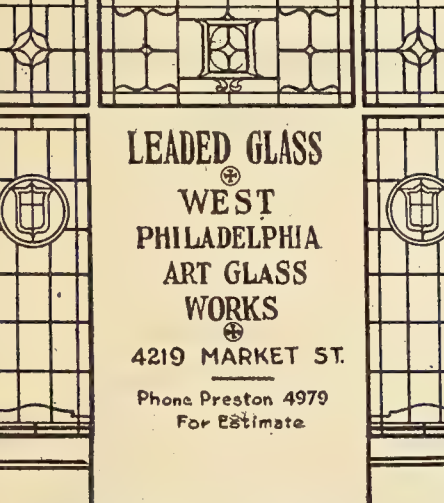
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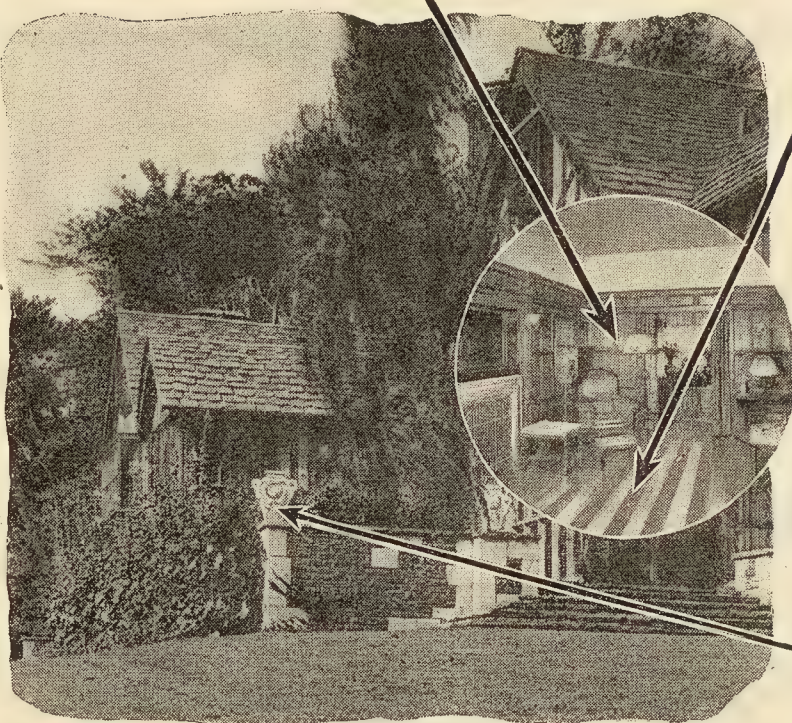
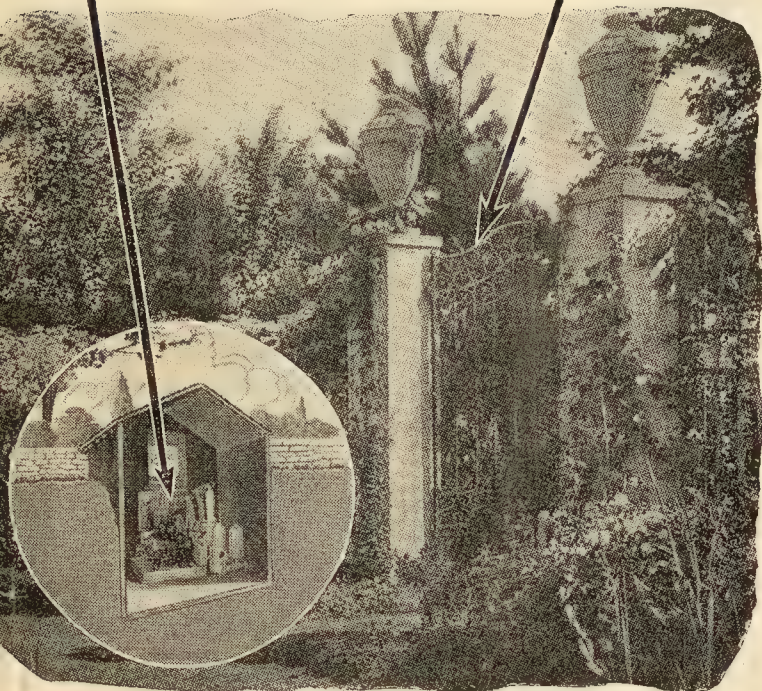
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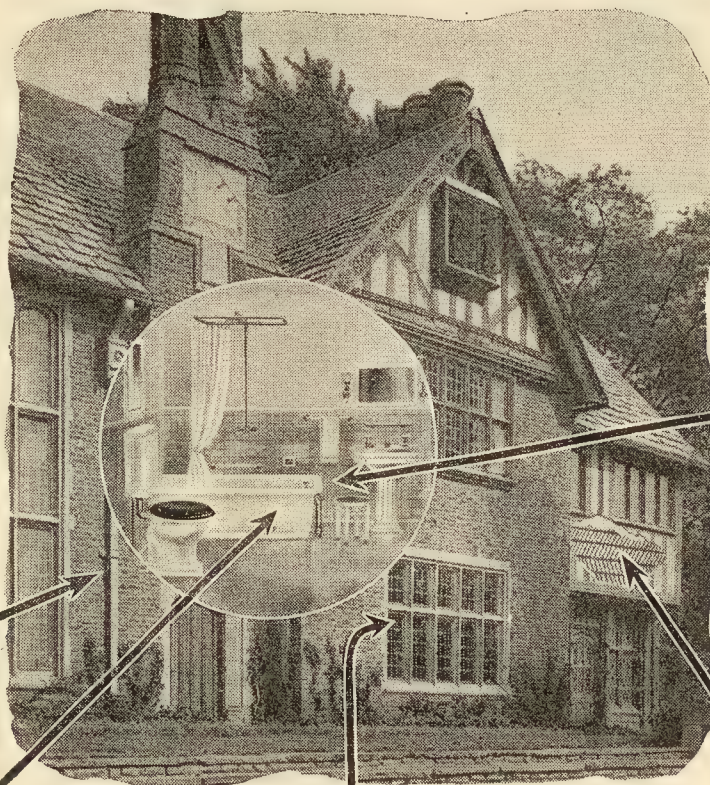


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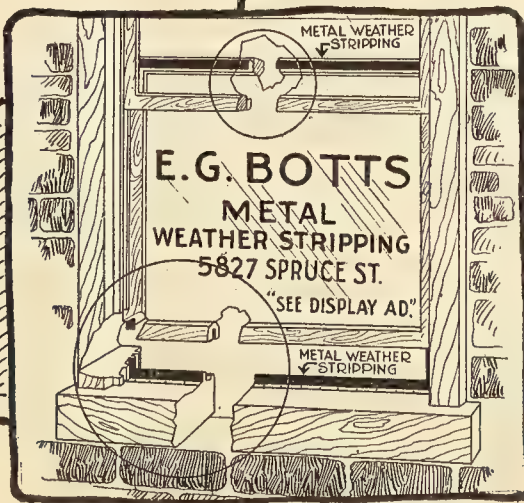
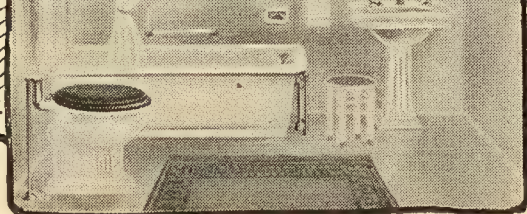


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If you have planned well, you will need a strong organization to help carry out your plans. The best is none too good. In big building operations, all of our experience and resources, including the powerful aid of our Traffic Department, are constantly required.

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Some day you'll build. If you want the work finished on time, see that the lumber comes from LLOYD.

**WILLIAM M. LLOYD COMPANY**

Established 1868

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folk, Va. Architect, private plans. Owners, United States Government, Bureau of Yards and Docks, Washington, D. C. Brick, steel and hollow tile, 4 stories, 233x126 feet, asbestos built-up roof, pine and concrete floors, metal lath, elevators, safety treads, roof ventilators, stone foundations, steam heating, electric lighting, rolled steel sash, rolling steel doors, kalamein doors, iron stairs, iron work. Owners taking bids due January 5th. John Gill & Sons, Inc., care of Bowden Const. Co., 430 Presser Building, Philadelphia, are figuring.

Just remember this: Give out courtesy, kindness, patience and good-will, and you'll get them all back with compound interest. The men who deserve to rank in Class A do not chew the lint and fuss about the small misfits of life. To take what comes and forget the rest is wisdom. Let Braggo give the janitor the call, and the Hall Boys have it out with the Ashbox Inspector—you can't afford to soil your soul with small scraps. Fight on a big scale, or not at all. The folks who have trouble with ushers are always looking for trouble—and find it. Smile, old boy, smile!

Advertising is telling who you are, where you are, and what you have to offer the world in the way of service or commodity.

If nobody knows who you are, or what you have to offer, you do no business, and the world is the loser through giving you absent treatment.

Life is too short for the consumer to employ detectives to ferret out merchants who have the necessities of life to sell.

Fifty years ago the grocer set out a keg of mackerel and a box of kindling wood, and sat down to wait for customers. Today he carries street-car and newspaper advertising and dresses his windows as smartly as the department store. If it didn't pay he'd still be sitting behind the stove waiting for customers with a mackerel keg out front doing service for a sign.

Man and the giraffe are the only two living things that can't swim naturally. Throw a day-old kitten into the Mississippi and it will paddle its way to shore. The giraffe can't swim because he's not built that way. Man can't swim, just because he is afraid. The chances are that the reason you are not in the swim—financially or otherwise—is because you are afraid.—Glen Buck.

The man who starts out with the idea of getting rich won't succeed; you must have a larger ambition. There is no mystery in business success. If you do each day's task successfully, stay faithfully within the natural operations of commercial law, and keep your head clear, you will come out all right.—John D. Rockefeller.

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January, 1920

It is our aim to make this a complete, up-to-the-minute directory for architects, contractors, builders, sub-contractors, material men and the building trades.

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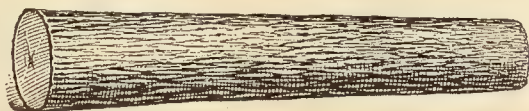
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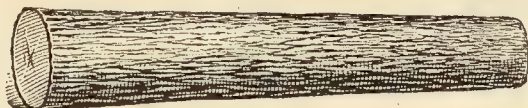
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## INTERIOR WORK

### Save Money in Millwork

By WILLIAM ROBINSON SAFFORD.

Contractors who purchase millwork for jobs will find a wide variation in prices, as a usual thing, and often they are puzzled to know the reason. Most contractors think they can estimate millwork quite as accurately as the mill men themselves, and frequently they put in a bid for a job without going through the formality of taking mill figures. When they go out to get prices on millwork later, they are astonished to find that this work costs from 5 to 10 per cent. more than their estimate.

The fact is that millwork is a highly technical branch of the building business. Most contractors are fairly familiar with it, but few can sit down and make an accurate estimate of costs. It takes a mill man, one who is familiar with the latest lumber and labor costs, to intelligently estimate millwork, and no man can well do this unless he is right in the mill business.

Millwork varies in cost according to the size of lumber employed and the pattern of the machine work. Just the difference between the cut on one crown molding as compared with the cut on another may make a difference of a cent per foot. In a large order this would affect the total cost considerably.

In these days of high prices every item which contributes to boosting cost without benefit should be rigorously repudiated. One of the places to cut down the high cost of production is in millwork; this applies to window and door frames, exterior cornices and interior trim and doors.

Quantity production in a mill always reduces costs and that is why stock patterns of millwork are more economical than special patterns. Take window frames, for instance. Time was when nearly every architect and contractor had his own particular type of frames. Some contractors specified certain methods for putting together the pulley stiles and parting beads, and in those days most of the frames were complete "box" frames, with, of course, a certain waste of lumber.

The tendency now is to use as much as possible one type of frame—a frame in which the amount of lumber is reduced to the minimum, and in which the method of assembling is labor saving. Although

these frames cost less than former frames (on a basis of the new costs) they are not necessarily of any poorer quality. When well made of a good grade of lumber they are just as desirable as former more extravagantly designed frames. It means, simply, that the mill situation has reached a higher and more scientific period of development, in which efficiency counts most and waste is eliminated.

The standardizing of sizes and patterns of sash and frames has done much to reduce waste in millwork, for standard sash and frames mean, also, a more or less standardization in prices. Using practically the same pattern of frames in every job the contractor can tell somewhere near where he gets off in the frame situation. Using stock frames one house costing a certain price will cost about the same the next year, plus any advance caused by increase in material and wages.

In the manufacture of doors there is another opportunity to save money by standardizing patterns. A few years ago "stock" doors were used only on cheap work. Architects and builders, when building houses of a high grade, thought that the only way to get a good job was to design doors specially and have them made in the local mill. Door manufacturing has now come to be a highly specialized branch of millwork and builders have found that "stock" doors are superior to the local article made in local mills.

Designs of stock doors have been so improved in character that purchasers can now select from the catalogs of reliable manufacturers any style of door required. It is no longer necessary to design special doors for each architectural style as the door manufacturers have already done this. As a matter of fact "stock" doors are usually made better than the local mill can make them because door manufacturers, after years of experience with modern door machinery, can turn out a better product than the ordinary mill, at at less cost. Door making is almost automatic in a large mill specializing on this product, and the labor cost is reduced to the lowest possible point. For this reason "stock" doors can be made in competition with special doors and contractors

We have pebbles all sizes. Cost less than what you are using. **DAVID FRANCE CO.**, Tasker Street Wharf, Delaware River, Philadelphia.



will usually find them lower in cost and better in quality than the latter.

The same thing applies to interior trim. In the catalogs of reliable and responsible concerns will be found patterns of trim to fit any style of architecture. Architects who formerly insisted upon designing every foot of interior trim now frequently select ready-made trim and receive in return excellent material molded along correct lines and delivered more quickly than local mills can turn it out, and at less cost.

One of the ways to reduce the cost of building is to eliminate elaborate interior moldings and substitute patterns that are simple and which can be built up of small pieces, reducing lumber and labor to the minimum.

Veneer of specially selected wood is used and every effort made to secure effects of grain that will enhance the appearance of doors as much as possible. Inlays of bands of wood of different color can be furnished and are very decorative.

Stock patterns of outside doors, especially effective on bungalows, come in varying thicknesses and are usually of soft wood for painting, though some dealers carry them in hardwoods, for varnishing.

In addition to stock designs for china cupboards and buffets representative manufacturers carry a complete line of pantry cases which will be found, in convenience, the equal of any designed especially for the purpose by kitchen experts. The majority of these have drawers or paneled doors below, and glass doors above, and the shelves are frequently adjustable.

Mantels for fireplaces are also kept in stock by many mills and there is a wide variation of designs covering any architectural period. The tendency is toward simple mantels, in which there is an ordinary mantel shelf above, and frequently a few plain panels against the wall.

To keep pace with the high cost of building, experts are studying methods of reducing costs by greater efficiency in labor and in the use of material. The big mills of the country, fresh from their war-time experience, when they were called upon to deliver enormous quantities of material in the quickest possible time, are geared for the best of service to civilian consumers. They have developed "stock" designs of frames, sash, doors and trim to the point where beauty is not sacrificed. Many of them have exterior cornice moldings, shutters and blinds, and porch posts and railings standing in their warehouse ready to

ship, goods of the highest class and of good architectural types, and usually at prices lower than local mills can quote.

This a genuine economy which is truly tending toward the lowering of building costs, and is therefore very welcome to builders and architects.

—*National Builder.*

#### THE YEAR'S BUILDING RECORD

In the entire country the 1919 building projects will reach \$2,600,000,000, says a New York authority. This includes engineering operations and construction of all forms. It is nearly a billion dollars above the 1918 total, which held the high record. Current projects are one-third residential, one-third industrial 15 per cent. for general business and 10 per cent. for public works and utilities.

Builders in New York City district are rounding out a \$550,000,000 year, more than one-third of the building being residential. While Manhattan's man activity has been in business projects, Brooklyn and Sueens are bustling with home building, and suburban operators have put up small houses by the hundreds and vastly improved transportation facilities.

Capital for building seems to be most available in the Central West, where operations are running far past all previous volumes. Reports from Illinois, Indiana, Iowa, Wisconsin, Michigan, Missouri and Kansas show outlays of \$820,506,000 for eleven months of the year. All parts of the country score good gains over their old high records. New England, in its rush to get abreast of the demand for homes, has called for outlays of \$207,288,000 during the year, and the Middle Eastern section has a record of nearly double the best volume of any preceding year.

Peace in the New York industrial field is tentatively assured for 1920 by the agreement now pending between the Building Trades Employers' Association and the Building Trades Council, the latter representing 41 unions in New York City and Long Island, and 150,000 employes. Negotiations have been in progress for a year and the agreement is considered by far the most important step ever taken toward amicable working ar-

## O. W. KETCHAM

Manufacturer of

**Ornamental Terra  
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**Face Brick**

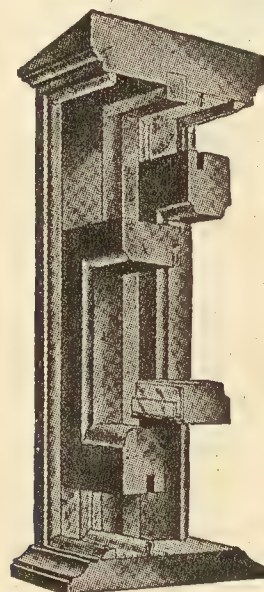
**Hollow Tile**

**Paving Brick**

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Metal  
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## FACE and CUT STONE

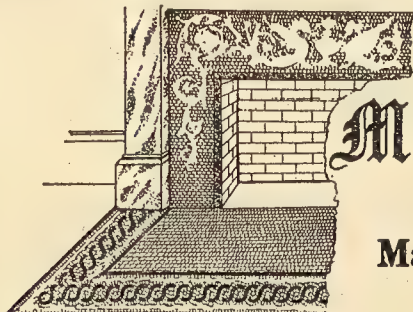
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Both Phones

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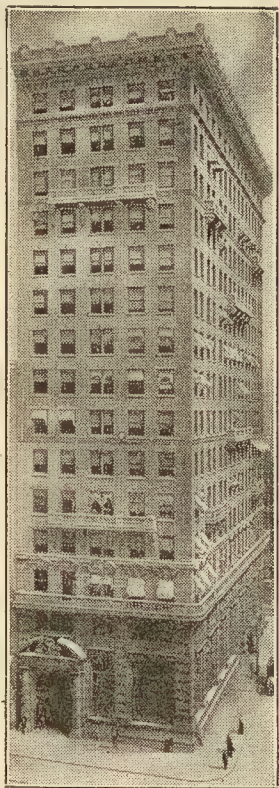
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West Philadelphia Art Glass Works

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Phone Preston 4979 for estimates

### Steam Specialties

**APELDORN & BEATTY CO.**

155 N. Ninth Street, Philadelphia



Wells - Soundings  
Test Borings

**Artesian Well  
Drilling Co.**

Real Estate Trust Building, Philadelphia

### POMEROY CONSTRUCTION CO.

**Building Construction**

Let us figure on YOUR building work

1609 Ranstead Street, Phila.

rangements between employers and employees. Strikes are made improbable during 1920 by this agreement, and a clause is provided for the continuation of the plan into 1921.

The purpose of the measure is "to obtain continuity of employment and uninterrupted production" and it provides for a permanent Board of Arbitration. It would seem to herald a new industrial day.

### CONSTRUCTION AND EMPLOYMENT IN NEW YORK STATE

To authorize and require the State Industrial Commission, through the Bureau of Employment, to obtain during the first three months of each year from the several State departments and localities current information regarding all public works projected and under construction, and to publish this information annually in April in summary form is one of the recommendations recently submitted to the Governor of New York State by the State Reconstruction Commission, says the Bureau of Labor Statistics in its last monthly bulletin. In its report the Commission dealt generally with the problem of employment in the State and felt that one of its most practical duties would be to emphasize the desirability of planning public improvements upon a long-term basis and prompt action in pushing forward the work outlined, with special vigor whenever industrial depression threatens.

It is also recommended that the industrial commissioner, through the Bureau of Employment, develop a program with a view to the organization of the labor market to bring about extensive dovetailing of winter and summer trades and to stimulate the use of subsidiary trades; also with a view to concentrating attention upon the need of industrial training, and in the case of seasonal employment or depression, urging employers to shorten hours rather than discharge employees.

It looks toward the development of the State employment service into an ultimate monopoly and the convening in April or May of an annual conference of all public works authorities throughout the State to discuss engineering, financial, employment and other common problems.

### NOVEMBER BUILDING OPERATIONS

Gain of 717 per cent. over 1918 operations was the record in Chicago of November building permits, as given in the last number of the *American Contractor*,

the report being for 193 cities. The value of these permits for the month was almost 150 million dollars, a decrease of about six million from October. In 63 cities the permits were less than for the preceding month, there being no special area of gains and losses. In general, the fluctuation is less in the most important cities, which is a hopeful sign for further continuance of activity.

In no year has November failed to show a slump in activity. It and December are months in which no activity is planned for the existing year, and little projection made for the coming year's activity.

In the face of a nation-wide coal strike following the steel strike and other hampering influences, "the construction industry has kept its grip mighty well," says the *Contractor*, "and gives promise of continued activity."

### BUILDING CONDITIONS IN ITALY

Among other proposals to stimulate building in Italy, it has been suggested, says the Trade Commissioner at Rome, that under certain conditions new buildings should be exempted from taxation for a period of 15 years for dwellings for the better class, and 20 years in the case of tenements. Previous to 1914, building companies and individuals in Rome constructed from 10,000 to 14,000 rooms per year, which, however, was barely sufficient to take care of the normal development of the city. During the war, of course, private building operations practically ceased, and since the armistice little has been done. The great building institutions have suspended new construction for the reason that the increased cost of materials and the higher wages which must be paid to workmen do not permit their stockholders to derive a reasonable profit. Private builders, according to the Trade Commissioner, are in the same position and are doing nothing. In all the principal Italian centers of population the shortage of housing accommodations is acute and strenuous efforts are being made to stimulate action in order that relief may be afforded.

### SAVING TIMBER ON BUILDING SITES

Boston, Mass., December—A model village near Worcester, Mass., for the benefit of the employees of a large factory in Worcester, will be ready for occupancy June 1, 1920, a prominent contractor of Springfield having just been awarded a contract to build 100 houses, costing ap-

Washed Bar Sand and Gravel will take less cement on concrete work. We know how.  
**DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.**



proximately \$500,000. There will also be a community house, two boarding houses and a community store. The lumber to be used in the construction will be shipped to Worcester in logs and will be cut into the proper dimensions on the site of the building, auto trucks hauling the logs from the railroad to the new village.

## BANKING AND BUILDING OF TODAY AND YESTERDAY

By H. T. UNDERWOOD

I was talking to a banker in a comparatively small town in Alabama the other day. He had just signed a contract with me to construct and equip a new building for his bank, and I confess I was a bit astonished at his knowledge of what constituted the "last word" in bank equipment and appliances. He was getting along in years, in fact just about at that age when most men are referring to "the good old days." And, as I said before, it was a rather small town. Yet, here was a banker who not only wanted the best for his community, but knew what the best was.

Mr. Banker told me frankly that he wanted his building to rank with the best in the land from an architectural standpoint—so that every person in the town could be proud of the structure, and so that it might set an example for other building owners to follow. As to equipment, mechanical appliances and conveniences, he insisted that he wanted his customers to feel that they were being taken care of in a modern, up-to-date manner.

"It is awfully easy," he said, "for us to go along and think our past reputation will hold us up; but times change, new generations come into power and the old fogey who does not keep up with the procession is soon out of the running. A new building with the latest improvements will cause every one in this section of the country to know that we are progressive, safe and sane."

Really, I wanted to applaud these words of wisdom, but when I complimented him on his wide-awake attitude, he said:

"Oh, pshaw! If I didn't keep my ears to the ground I'd have been out of business long ago. There are too many people fighting the new ideas as it is. Some of us have got to fight for them. Why, you remember it has only been a few years when all of the coins handled during the day had to be counted and sorted by hand every night. Then along came a man with a machine that did the work. All you had to do was dump the change in a hopper and out it came all separated,

wrapped and labelled. Don't you recall how the bank clerks objected to the machine? Said it would take their work away from them—

"Then there is that machine that makes change for the teller quicker than he ever could count it. Look at the automatic writing machine where a teller can write a message in his cage which is duplicated on a sheet of paper in the bookkeeper's room! Look at the machine which cancels checks. Why, if they had to cancel checks by hand in the big city banks, they would have to have ten times the number of clerks and twice the floor space."

"Yes," I interrupted. "And how about the mailing department with its automatic letter openers, and the folding, sealing and stamping machines? And the dictaphone to speed up stenographic work and save a busy man's time, and the mimeograph letter writers that turn out imitation typewritten letters by the hundreds?"

"Sure," he said. "But those are more for the big banks in the big cities. For us fellows out in the country one of the greatest helps has been the adding machines that can't make mistakes, the monthly statement writing machines and the ledger posting that keep bookkeepers from growing gray before their time."

The development of machinery in the banking business has been remarkable, and the efficiency, time and labor saving brought about by the adoption of mechanical methods can never be computed.

But these devices have not surpassed another phase of banking development. I refer to the features of planning, building and equipment generally. It is only in the last dozen years that banks, particularly those in small towns, have been planned and built with any degree of efficiency. Yet, no kind of building work calls for greater skill. It did seem to be a fairly simple matter: A certain number of cages for the tellers, space for the officers, a room some place for the bookkeepers and the other employees; perhaps a safe deposit room. A bank used to be a hard place to get into; there was no note of welcome; nothing of cheerfulness, nothing of comfort or convenience, and little or no attempt at scientific arrangement.

Nwadays, it is recognized that a bank's primary function is to render a service, particularly a service to its customers. To render that service in the best possible manner, it is necessary that the banking room be laid out scientifically. The problems of the bank building, while seem-

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## Wire Window Guards

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Pa.

## Woodoleum Flooring

You are safe when you buy a Woodoleum Floor.

You get an absolute and unqualified guarantee. You get a concern which is the pioneer in this line of floor coverings.

There is but one Woodoleum—accept no imitation.

Woodoleum Mfg. Co.  
131 Arch Street, Philadelphia

## Whitewashing

and

## Water Painting

SPECIFY

## Analo Powder Paint

Whether applied by brush or machine, if done by our corps of trained artisans you are sure to get the best work at the lowest possible cost. Better see us today. "Let there be light."

WM. B. SOUTHERN

Manufacturer and Contractor

N. W. Cor. 12th and Spruce Sts.

PHILADELPHIA

Both Phones

If you want Trap Rock or Slag, any size or grit, we are headquarters for same. DAVID FRANCE CO., Tasker Street Wharf, Delaware River, Philadelphia.



ingly simple, are indeed intricate, and the proper arrangement of space, logical placing of departments and apportioning of space, call for an order of architectural and constructive intelligence that can come only from specialization in bank building work.

There are architects who have given this type of building much study and they may be depended upon to design a structure that is not only ornamental, but practical in every way.—*Architect and Engineer.*

### ENGLAND TO BUILD 250,000 HOMES

Plans providing for 250,000 houses with government financial assistance have been made in Great Britain in an attempt to meet the housing needs of the nation, according to a report by Mr. Albert Farwell Bemis, a member of the commission sent by the National Civic Federation to England, France and Italy to study industrial conditions.

"In France," said Mr. Bemis in his report, "the houses destroyed and damaged beyond ordinary repairs within the devastated area may be taken as the measure of the present shortage. This would approximate 410,000 homes. In Great Britain 450,000 would probably represent the actual need.

"Strange as it may seem, the conditions of the war have inspired among all classes of people a greater interest in humanity, and a greater regard for the physical and social conditions under which the masses of the population live. During the war the people of Great Britain and France became accustomed to the handling of large national problems by direct governmental action.

"The government has appointed a new official in connection with housing known as the Director of Propaganda. It will be his duty to arouse and maintain general interest in housing matters, and it is proposed that he work through a subordinate attached to each of the thirteen regional commissioners.

"Financial assistance to local authorities is to be calculated on a basis estimated to relieve these of the burden of any annual deficit in expenses of operation to the extent of the excess in the local tax 'rates' of a penny on the pound, assessable against the area in question. There is to be no donation by government toward the cost where the annual excess of expenditure over income would not exceed that amount. It is estimated

that the capital expenditure by government during the three years of its proposed assistance would amount to £300,000,000 for England and Wales, based upon an average capital cost per house of £600, and the net deficit to be met out of public funds on account of subsidies to Public Utilities Societies and contributions towards the cost of operation in the case of developments by the local authorities would amount to £6,500,000. Similar figures for Scotland would be £39,000,000 capital expenditure and £845,000 net deficit.

"With a view to meeting the demands of demobilized soldiers who want to acquire small agricultural properties, the government has introduced into Parliament two measures known as the 'Acquisition Land bill' for improving and clarifying laws governing the condemnation and acquisition of land for public purposes, and the 'Land Settlement bill.' The settlement bill not only contemplates the sale of land, but the operation of colonies under the supervision of the Department of Agriculture and Fisheries for the training of agriculturists and the forming of co-operative organizations for the distribution and sale of farm products.

"Mr. Nevin, in his report on labor conditions, said that opinion in England in its attitude toward the labor problem was more active, responsive and alert than in the United States, but that the methods adopted by the public were less complicated and effective than similar agencies in the United States.

"The old idea of limitation of production by British workmen is being abandoned, and there is being substituted a better and quickened understanding of the necessity of enlarged productivity. Trade unions clearly recognize and openly advocate the economic effect of increased production, and there is no evidence of insistence upon the reinstatement of pre-war restrictions of output.

"Most impressive during the travels of our commission through Great Britain was the attitude of broad-minded representatives of trade unionism in seeking to establish cordial plans of co-operative action between employers and employees.

"Labor as a whole is more trustful of British employers than the government of the politicians. In considering Great Britain's industrial situation the American reader should remember that the government officially recognizes the legality of trade unionism, and there is practically no issue between employer and employee with respect to the enforcement of the principle of the closed shop."—*Architect and Engineer.*

### THE FIRST PAN-AMERICAN CONGRESS OF ARCHITECTS

The Organizing Committee has announced that the first Pan-American Congress of Architects will meet March 1, 1920, at Montevideo. The architects of all the Americas are invited to attend and to exhibit their work, and the presence of the presidents and faculties of all schools of architecture is especially desired. The chief purposes of long planned convention are the demonstration of American architectural advancement, the discussion of artistic and technical development, and the increase of professional solidarity. Both practicing and student architects are eligible as exhibitors, and prizes will be awarded to architects, schools or faculties, and individual students in accordance with the decisions rendered by a chosen international jury composed of professors of architecture.

The work of architects for exhibition are comprised in the following classification:

First—Projects of public buildings and monuments.

Second—Projects of private buildings and monuments.

Third—Projects of decoration.

Fourth—Details and motives of architecture.

Fifth—Works upon the History of Architecture in America.

The projects mentioned in the first two classifications must be presented with their plans, frontage and sections. They may or may not correspond to buildings already finished. When dealing with completed buildings, the exhibitor may present photographs of frontages or interiors to complete his idea. Details and perspectives will be admitted.

The projects of decoration mentioned in the third category must be composed of all the parts necessary for their clear understanding. Details and motives of architecture referred to in the fourth category may be presented in the form considered best and photographs will be accepted in order to complete subjects. Studies upon the History of Architecture may be presented in accordance with the best judgment of the exhibitor.

All advertising pays—even that which is poorly constructed. A bad ad. is better than no ad. at all. It is worth all that it costs in the competitive world of the present day, merely to keep one's name where the possible buyer cannot help seeing it. To be out of sight in the commercial world is to be out of mind.



All live men are advertisers, and the only man who should not advertise is the man who has nothing to offer to the world in the way of human service, and such a man is a dead one, whether he knows it or not. Advertising is a legitimate and ethical proposition. Life is too short for you to hide yourself away, mantled in your modesty, and let the world hunt you out. Even the dead are advertisers, for on visiting a beautiful cemetery the other day, I noticed that on nearly every marble slab was given a list of the virtues, talents and beautiful qualities which the dead man was supposed to have carried in stock. This is what you call non-productive advertising, or advertising from an emotional standpoint.—Elbert Hubbard.

People who want to buy things do not catch the seller, chloroform him and cram the orders into his pocket.

Advertising is the proper education of the public as to where the thing can be found, and therefore it is a necessity.

We are parts and particles of each other, but a little of the kindly glue of human brotherhood is needed to fasten us together. The policeman who keeps the crossing clear, and at the same time informs us as to the location of the post office and the First National Bank, no doubt is, in one sense, an economic waste. On the other hand, he is an economic necessity. He is a necessary middleman.

He relieves the congestion of traffic and granting the hypothesis that he does not misdirect us as to the location of the post office, he speeds us on our way.

There is not a business one can think of, which is not full of little temples where one can curse or pray. Every business that one knows has its host of light in it, fighting against its host of darkness; one set of men conducting the business as if they and the public were engaged in a sort of mutual enthusiasm and daily service, with permanent success as the goal; and another set of men whose success is ruining the business to which they belong, and the public besides—and themselves.

The valuable man in any business is the man who can and will co-operate with other men. The foreman who opposes the introduction of a new man into an institution and fights every innovation which he himself does not suggest, is doomed to a gradual and creeping defeat. Men succeed only as they utilize the services and ideas of other men. Co-operate!

Repetition tends to create habit, the more often we see, do or hear a thing, the quicker we are likely to be influenced by it. The consecutive appeal of a number of advertisements will develop certain memories and associations tending to overcome the natural habit of procrastination.—Making advertising pay.

The other day a prominent local architect called up to inquire regarding a concern that has not advertised with us for two years. "I saw their ad. some years ago in the Guide," said the architect, "and am unable to recall just where they are located." We gave him the address and learned subsequently that as a result the firm bagged a big order. How many similar orders, from architects who wouldn't take the trouble to look them up, that same concern has missed in the course of the past two years it would interest us to know.

It is surely an injustice to your workmen as well as a source of loss to yourself to supply poor tools in your shop equipment. No man can do anything approaching good work with tools that take the edge off enthusiasm. In shop management, as in most things, details are the whole cloth. Tools are like men. They do good work or they do not, according to the character which they possess. Character in tools is a matter of good materials, expert making and correct design.

The only road to advancement is to do your work so well that you are always ahead of the demands of your position. Our employers do not decide whether we shall stay where we are or go on and up; we decide that matter ourselves. Success or failure is not chosen for us: we choose them for ourselves.—H. W. Mabie.

The man who doesn't advertise because he can't afford to "do it right" will never reach a position of affluence because everything worth while in the world had to have a beginning, and there can be no "get there" for the fellow who fails to make a start.

We'll write your advertising without charge. All we ask is that you pay for the space and provide our ad. man with the necessary selling pointers.

A certain wallboard man advertised in the Guide for awhile and then dropped out. We've had a dozen inquiries since then, asking for his address—every inquiry from a cash buyer. This is a common occurrence. It's hard to make some advertisers see the vital importance of a standing "ad."

America stands supreme in the development and use of advertising, and advertising is the seed which by implanting desire produces the fruit of social advancement. Education promotes efficiency and efficiency in turn makes possible higher earning power, higher purchasing power and improved living conditions.

Don't be discouraged if you make an occasional mistake; if men didn't there wouldn't need to be any claw on a hammer.

## The Page "Ad"

"I like the clean, outstanding appeal of the page ad," said an advertiser recently, "but I'll be frank to say that I've never been able to convince myself that it can be made to pay."

"Have you ever tried out a whole page?" he was asked.

No. He hadn't. But he knew what a page of space would cost, and he couldn't get away from a certain overhang of doubt that the additional results would prove commensurate with the extra outlay.

We mentioned Wanamaker, who uses a page a day regularly, varying this program now and then by making it two pages.

Oh, yes, of course. But then Wanamaker's case was quite different.

We asked him to point out "how" and "why."

The truth of the matter is that the page ad is just as much more effective than the small ad as the big show window is more effective than the small show window.

To be sure, in the case both of the ad and the window a whole lot necessarily depends on just what you put into them and how you dress it up.

It wouldn't be good business to buy a page of space in order to work off a string of poor sales-talk.

But, assuming that the sales-talk is "right" and the article it is designed to sell an article that has real merit and utility, the page ad is actually the short cut to results.

The first object of any ad is to get the attention of the reader.

Nothing does this more effectually than the page announcement.

We have in mind an advertiser who slips a page space into his regular schedule now and then just as an interest-reviver.

He tells us it pays big.

Whether it would pay as handsomely in your case, we are not in a position to say.

Why not try it out?

The cost is not excessive.

Call Mr. L. S. DeLone.

### THE BUILDERS' GUIDE

Pennsylvania's Oldest Architectural and Building Trades Magazine

In Continuous Publication 30 Years

Perry Building, Philadelphia.

"Camouflage" doesn't pay in advertising. Don't call your cannon a bit of landscape. Be honest and gain the confidence of the public.



## Brownstone Bricks

2,000,000 at \$16.00 f. o. b. Reading Sidings.

These are high grade pressed bricks, manufactured of crushed stone and hydrated lime. Greater crushing strength and lower absorption than burned clay. Uniform in shape and size. No soft ones. They are beautiful, economical and everlasting.

## Red, Gray & Buff Face Bricks

A complete range of colors. Manufactured of vitrifying shale and fire clay. Our prices defy competition.

## Straight Hard, Stretcher and Salmon Bricks

All Shale Bricks in carload lots, delivered on job at competitive prices. We are shipping 200,000 bricks daily to 28 building operations.

## Vitrified Paving Bricks

Standard specification pavers at lowest market price.

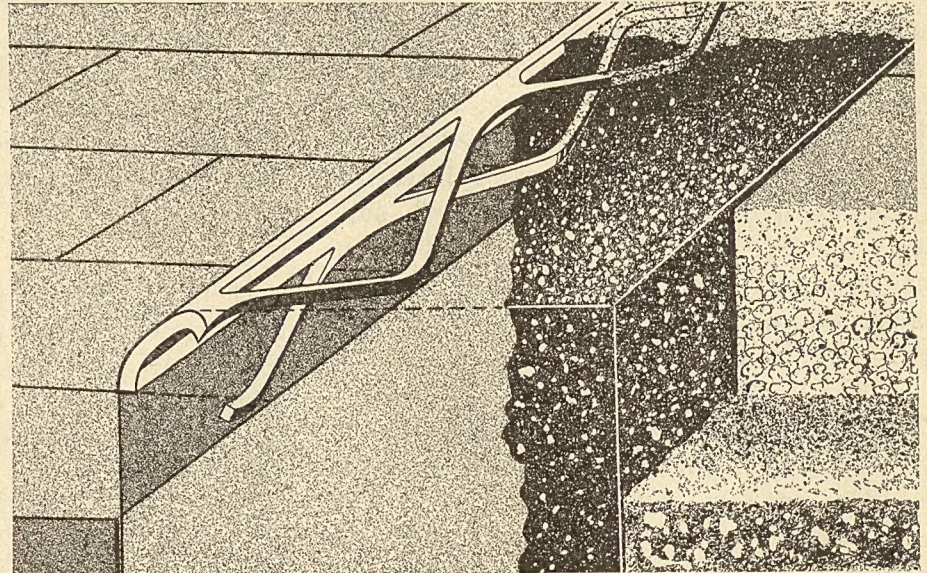
Sole Representative of Mack & Pennsylvania Clay Works

**JOHN S. E. PARDEE & CO.**

514-32-33-34 Heed Bldg.  
Philadelphia

PHONES—Locust 7525  
Locust 4478

## Robertson Curb Reinforcement and Expansion Joint Filler



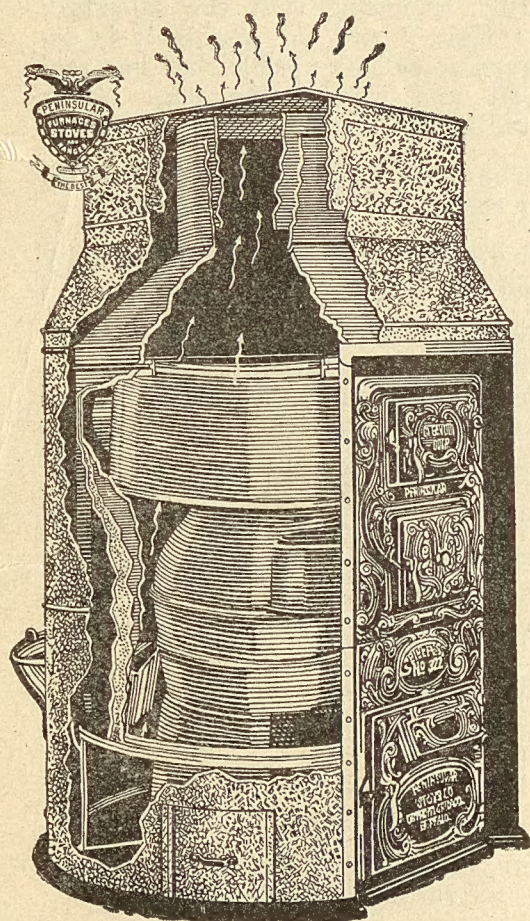
Expanded Metal, Corner Beads, Metal Lath,  
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## Pearce Fireproof Company

1345 Arch Street, Philadelphia

Bell Phone, Locust 3924

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## This Pipeless Furnace

possesses every  
feature of the  
ordinary furnace

## PLUS

seven exclusive features which mean more coal saved,  
less work and far more convenience for the user.  
Write for our catalogue today.

## KLEIN STOVE COMPANY

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700 N. Front St., Philadelphia

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The Kind That Lasts

**Carter Concrete** PAVEMENTS,  
FLOORS, CONSTRUCTION—BUILT BY  
SPECIALISTS SINCE 1888—BUILT TO  
PREVENT CRACKING, CRUMBLING and  
DECAY—BUILT TO LAST.

ORIGINAL COST OF **Carter Con-  
crete** LOW—UPKEEP COST NEGLI-  
GIBLE.

SPECIALISTS IN CONCRETE ROADWAYS

*One of our Engineers will help  
you in Concrete Problems and  
gladly give you an Estimate.*

## CARTER PAVING COMPANY

639-41 N. 18th St., Philadelphia, Pa.



# Reference Directory for Architects, Builders and Owners

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Cassel, Jacob C. ....915 Arch St., Phila.

## ARTESIAN WELLS.

Artesian Well Drilling Co.,  
S. W. Cor. 22nd and Cambria Sts., Phila.  
Nicholas, A. J., & Co. ....Bulletin Bldg., Phila.  
Ridpath & Potter Co. ....Bourse Bldg., Phila.  
Rulon, John B. ....1355 Colwyn St., Phila.

## ARTESIAN WELL PUMPS.

Nicholas, A. J., & Co. ....Bulletin Bldg., Phila.

## ARTISTS AND ARCHITECTS' SUPPLIES.

Robbins, Chas. H. ....1209 Arch St., Phila.  
Warren-Knight Co. ....136 N. 12th St., Phila.  
Weber, F., & Co. ....1125 Chestnut St., Phila.

## BLUE PRINTS.

Blue Print Shop. ....1520 Sansom St., Phila.  
National Blue Print Co. ....38 S. 6th St., Phila.  
Robbins, Chas. H. ....1209 Arch St., Phila.  
Weber, F., & Co. ....1125 Chestnut St., Phila.

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Blue Print Shop. ....1520 Sansom St., Phila.  
National Blue Print Co. ....38 S. 6th St., Phila.  
Robbins, Chas. H. ....1209 Arch St., Phila.  
Weber, F., & Co. ....1125 Chestnut St., Phila.

## BRICK (Tapestry, Face, Common, Paving).

Ketcham, O. W. ....Builders' Exchange, Phila.  
Pardee, John S. E., & Co. ....Heed Bldg., Phila.

## BUILDERS.

Mitchell Bros. ....2125 Race St., Phila.  
Pomeroy Const. Co. ....1609 Ranstead St., Phila.

## BUILDERS' SUPPLIES.

Fairlamb, P. H. Co. ....115 S. 30th St., Phila.  
France, David, Co. ....Tasker St. Wharf, Phila.  
French, Samuel H., & Co. ....4th and York Sts., Phila.  
Lotz's, F. C., Sons. ....American and Dauphin Sts., Phila.

## CEMENT.

Fairlamb, P. H. Co. ....115 S. 30th St., Phila.  
France, David, Co. ....Tasker St. Wharf, Phila.  
French, Samuel H., & Co. ....4th and York Sts., Phila.  
Lehigh Portland Cement Co. ....Finance Bldg., Phila.  
Lotz's, F. C., Sons. ....American and Dauphin Sts., Phila.

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Carter Paving Co. ....639 N. 18th St., Phila.

## COLUMNS (Metal).

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## COMPOSITION FLOORING.

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Phila. Mineral Flooring Co. ....5632 Summer St., Phila.  
Woodoleum Mfg. Co. ....133 Arch St., Phila.

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## CONTRACTORS' EQUIPMENT.

Service Equipment Co. ....Bourse Bldg., Phila.

## DAMPPOOFING.

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## DRAUGHTSMAN (Public)

Durham Bros. ....26 S. 15th St., Phila.

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## ELECTRICAL CONSTRUCTION.

Baird-Osterhout Const. Co. ....1620 Chancellor St., Phila.  
Buchanan & Co., J. F. ....1719 Chestnut St., Phila.

## ELEVATORS.

A. B. See Electric Elevator Co.,  
Colonial Trust Bldg., Phila.

## ENGINEERS' SUPPLIES.

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## FACE AND CUT STONE.

Holmesburg Granite Co. ....Commercial Tr. Bldg., Phila.

## FENCES.

Anchor Post Iron Works,  
Real Estate Trust Bldg., Phila.  
Pettit, Frank, Ornamental Iron Works,  
809 Master St., Phila.

## FIREPROOFING.

General Fireproofing Co. ....512 Bulletin Bldg., Phila.  
Metal Lathing Specialty Co.,  
2610 W. Huntingdon St., Phila.  
McCalla Co., The Harold. ....531 N. 4th St., Phila.  
Pearce Fireproof Co. ....1345 Arch St., Phila.  
Truscon Steel Co. ....Commonwealth Bldg., Phila.

## FLOOR PLATES.

Montgomery Iron & Steel Co. ....1832 N. 9th St., Phila.  
Wood, Alan, Iron & Steel Co. ....Widener Bldg., Phila.  
Morris Wheeler & Co. ....30th and Locust Sts., Phila.

## FLUE LINING.

Clausen, Wm. H. ....27th and Diamond Sts., Phila.

## FURNACES AND RANGES.

Borden Stove Co. ....1311-13 Arch St., Phila.  
Miller, Henry M. ....46 N. 2nd St., Phila.  
Klein Stove Co. ....700 N. Front St., Phila.  
Richardson & Boynton Co. ....1332 Arch St., Phila.

## GARDEN FURNITURE.

Voight Co. ....1743 N. 12th St., Phila.

## GARAGE HEATERS.

Reeves Stove and Foundry Co. ....38 S. 2nd St., Phila.

## GAS WATER HEATERS.

Apeldorn & Beatty Co. ....155 N. 9th St., Phila.  
Davis, Garfield W. ....34 S. 7th St., Phila.

## GRANITE.

Holmesburg Granite Co. ....Commercial Tr. Bldg., Phila.

## HARDWOOD FLOORS.

Heaton & Wood. ....1802 Chestnut St., Phila.

## HEATING CONTRACTORS.

Bowers Bros. & Co. ....1629 Ludlow St., Phila.

## HEATING BOILERS.

Borden Stove Co. ....1311-13 Arch St., Phila.  
Fleck Bros. Co. ....44 N. 5th St., Phila.  
Keystone Supply & Mfg. Co. ....927 N. 9th St., Phila.  
Richardson & Boynton Co. ....1332 Arch St., Phila.

## HOLLOW TILE.

Ketcham, O. W. ....Builders' Exchange, Phila.

## INSURANCE.

Beidler & Bookmeyer. ....424 Walnut St., Phila.  
Stokes, Packard, Haughton & Smith,  
434 Walnut St., Phila.  
Wagner, Taylor, Edson Co., Inc. ....422 Walnut St., Phil.  
Insurance Co. of North America,  
3rd and Walnut Sts., Phila.

## IRON AND STEEL BARS AND PLATES.

Wood, Alan, Iron & Steel Co. ....Widener Bldg., Phila.  
McCalla Co., The Harold. ....531 N. 4th St., Phila.  
Montgomery Iron & Steel Co. ....1832 N. 9th St., Phila.  
Morris Wheeler & Co. ....30th and Locust Sts., Phila.

## LEADED GLASS.

West Phila. Art Glass Works. ....4218 Market St., Phila.

## LEVELS.

Robbins, Chas. H. ....1209 Arch St., Phila.  
Warren-Knight Co. ....136 N. 12th St., Phila.  
Weber, F., & Co. ....1125 Chestnut St., Phila.

## LIGHT IRON CONSTRUCTION.

Pettit, Frank, Ornamental Iron Works,  
809 Master St., Phila.

## LUMBER.

Irwin, James M., & Co. ....973 Beach St., Phila.  
Janney Lumber Co. ....1147 Beach St., Phila.  
Lloyd Co., Wm. ....29th and Ridge Ave., Phila.  
Tague, Jas. E., & Co. ....10th and Columbia Ave., Phila.

## MAP AND POSTER MOUNTING.

National Blue Print Co. ....38 S. 6th St., Phila.

## MARBLE MOSAIC.

Belfi Bros. & Co. ....1923 Market St., Phila.  
Italian Marble Mosaic Co. ....433 Spruce St., Phila.  
Roman Mosaic & Tile Co. ....435 Green St., Phila.

## METAL LATH.

Audubon Wire Cloth Co., Inc. ....Audubon, N. J.  
General Fireproofing Co. ....512 Bulletin Bldg., Phila.  
McCalla Co., The Harold. ....531 N. 4th St., Phila.  
Pearce Fireproof Co. ....1345 Arch St., Phila.  
Truscon Steel Co. ....Commonwealth Bldg., Phila.

## METERS.

Phila. Meter Co. ....Real Estate Trust Bldg., Phila.

## MILL SUPPLIES.

Fairbanks Co., The. ....7th and Arch Sts., Phila.

## MORTAR COLORS.

French, Samuel H., & Co. ....4th and Callowhill Sts.

## ORNAMENTAL IRON.

Audubon Wire Cloth Co. ....Audubon, N. J.  
Montgomery Iron & Steel Co. ....1832 N. 9th St., Phila.  
Pettit, Frank, Ornamental Iron Works,  
809 Master St., Phila.

## ORNAMENTAL PLASTERING.

Voight Co. ....1743 N. 12th St., Phila.

## PAINTING (Plain and Decorative).

Griffey Decorative Co. ....206 S. 13th St., Phila.

## PAINTS AND VARNISHES.

Barrett Co., The. ....New York and Philadelphia  
French, Samuel H., & Co. ....4th and Callowhill Sts.

## PAVING BRICKS.

Ketcham, O. W. ....Builders' Exchange, Phila.  
Pardee, John S. E., & Co. ....Heed Bldg., Phila.

## PIPE.

Griffith, James F. ....424 Moyer St., Phila.

## PIPE FITTINGS AND VALVES.

Fairbanks Co., The. ....7th and Arch Sts., Phila.

## PLUMBING FIXTURES.

Fleck Bros. Co. ....44 N. 5th St., Phila.  
Johnson Co., Inc., J. D. ....139 N. 7th St., Phila.  
Keystone Supply & Mfg. Co. ....927 N. 9th St., Phila.  
Vogel, Joseph, Co. ....Wilmington, Del.

## PRESERVATIVES (Wood and Concrete)

Barrett Co., The. ....New York and Philadelphia

## RANGES

Borden Stove Co. ....1311-13 Arch St., Phila.  
Klein Stove Co. ....Front and Fairmount Ave., Phila.  
Miller, Henry M. ....46-48-50 N. 2nd St., Phila.  
Richardson & Boynton Co. ....1332 Arch St., Phila.

## REFRIGERATION, AUTOMATIC—"ISKO."

Buchanan & Co., J. F. ....1719 Chestnut St., Phila.

## REFRIGERATORS.

Borden Stove Co. ....1311-13 Arch St., Phila.  
Klein Stove Co. ....Front and Fairmount Ave., Phila.  
Miller, Henry M. ....46-48-50 N. 2nd St., Phila.

## REINFORCING BARS.

Morris Wheeler & Co. ....30th and Locust Sts., Phila.  
Truscon Steel Co. ....Commonwealth Bldg., Phila.  
Witherow Steel Co. ....417 Widener Bldg., Phila.

## ROOFING.

Barrett Co., The. ....New York and Philadelphia

## ROOFING TILE.

Ketcham, O. W. ....Builders' Exchange, Phila.

## SAFETY GUARDS.

Audubon Wire Cloth Co. ....Audubon, N. J.  
Kensington Metal Co. ....1612 N. 2nd St., Phila.

## SAND.

Fairlamb, P. H. Co. ....115 S. 30th St., Phila.  
France, David, Co. ....Tasker St. Wharf, Phila.  
Lotz's, F. C., Sons. ....American and Dauphin Sts., Phila.  
Sidley Silica Sand Co. ....Widener Bldg., Phila.

## SCALES.

Fairbanks Co., The. ....7th and Arch Sts., Phila.

## SCREENS.

Botts, E. G. ....5208 Chestnut St., Phila.  
Malia, Thos. J. ....141 Wentz St., Phila.

## SHEETROCK (Wall Board)

Tague, Jas. E., & Co. ....10th and Columbia Ave., Phila.

## SLATE.

Emack Co., John D. ....Otis Bldg., Phila.

## STEAM SPECIALTIES.

Apeldorn & Beatty Co. ....155 N. 9th St., Phila.

## SOUNDINGS.

Artesian Well Drilling Co.,  
Real Estate Trust Bldg., Phila.  
Nicholas, A. J., & Co. ....Bulletin Bldg., Phila.  
Ridpath & Potter Co. ....Bourse Bldg., Phila.  
Rulon, John B. ....1355 Colwyn St., Phila.

## STRUCTURAL STEEL.

McCalla Co., The Harold. ....531 N. 4th St., Phila.  
Montgomery Iron & Steel Co. ....1832 N. 9th St., Phila.  
Morris Wheeler & Co. ....30th and Locust Sts., Phila.

## SURETY BONDS.

Beidler & Bookmeyer. ....424 Walnut St., Phila.  
Stokes, Packard, Haughton & Smith,  
434 Walnut St., Phila.  
Wagner-Taylor-Edson Co., Inc. ....422 Walnut St., Phila.

## TERRA COTTA (Architectural).

Ketcham, O. W. ....Builders' Exchange, Phila.

## TILE AND TERRAZZO WORK.

Belfi Bros. & Co. ....1923 Market St., Phila.  
French, Samuel H., & Co. ....4th and Callowhill Sts., Phila.  
Italian Marble Mosaic Co. ....433 Spruce St., Phila.  
Petronite Mfg. Co. ....531 N. 9th St., Phila.  
Roman Mosaic & Tile Co. ....435 Green St., Phila.

## TRANSITS.

Robbins, Chas. H. ....1209 Arch St., Phila.  
Warren-Knight Co. ....136 N. 12th St., Phila.  
Weber, F., & Co. ....1125 Chestnut St., Phila.

## VACUUM CLEANERS.

Buchanan & Co., J. F. ....1719 Chestnut St., Phila.

## WALL BOARD (Sheetrock)

Tague, Jas. E., & Co. ....10th and Columbia Ave., Phila.

## WASHING MACHINES.

Buchanan & Co., J. F. ....1719 Chestnut St., Phila.

## WATER HEATERS.

Davis, Garfield W. ....34 S. 17th St., Phila.

## WATER PAINT.

Oeters, John C. ....1242 N. 31st St., Phila.  
Southern, Wm. B.,  
N. W. Cor. 12th and Spruce Sts., Phila.

## WATERPROOFING.

Barrett Co., The. ....New York and Philadelphia

## WATER SUPPLY SYSTEMS.

Harrison, Mertz & Emlen, Inc.,  
Commercial Trust Bldg., Phila.  
Keystone Supply & Mfg. Co. ....927 N. 9th St., Phila.  
Nicholas, A. J., & Co. ....Bulletin Bldg., Phila.

## WEATHER STRIP (Metal).

Botts, E. G. ....5208 Chestnut St., Phila.  
Malia, Thos. J. ....141 Wentz St., Phila.

## WHEELBARROWS.

Fairbanks Co., The. ....7th and Arch Sts., Phila.

## WHITEWASHING.

Oeters, John C. ....1242 N. 31st St., Phila.  
Southern, Wm. B.,  
N. W. Cor. 12th and Spruce Sts., Phila.

## WINDOW GUARDS (Wire).

Audubon Wire Cloth Co. ....Audubon, N. J.  
Kensington Metal Co. ....1612 N. 2nd St., Phila.

## WIRE PARTITIONS.

Audubon Wire Cloth Co. ....Audubon, N. J.  
Kensington Metal Co. ....1612 N. 2nd St., Phila.

## WIRE WORK.

Audubon Wire Cloth Co. ....Audubon, N. J.  
Kensington Metal Co. ....1612 N. 2nd St., Phila.



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